PINOLE PLANNING COMMISSION
MEETING AGENDA

June 10, 2024
7:00 PM
Attend in Person: PINOLE CITY COUNCIL CHAMBERS - 2131 PEAR STREET
OR
Attend VIA ZOOM TELECONFERENCE – Details provided below

How to Submit Public Comments:

In Person:
Attend meeting at the Pinole City Council Chambers, fill out a yellow public comment card and submit it to the City Clerk.

Via Zoom:
Members of the public may submit a live remote public comment via Zoom video conferencing. Download the Zoom mobile app from the Apple Appstore or Google Play. If you are using a desktop computer, you can test your connection to Zoom by clicking here. Zoom also allows you to join the meeting by phone.

From a PC, Mac, iPad, iPhone or Android:
https://us02web.zoom.us/j/86505375301

Webinar ID: 865 0537 5301

By phone: +1 (669) 900-6833 or +1 (253) 215-8782 or +1 (346) 248-7799

- Speakers will be asked to provide their name and city of residence, although providing this is not required for participation.
- Each speaker will be afforded up to 5 minutes to speak
- Speakers will be muted until their opportunity to provide public comment.

When the Chair opens the comment period for the item you wish to speak on, please use the “raise hand” feature (or press *9 if connecting via telephone) which will alert staff that you have a comment to provide and press *6 to unmute. To comment with your video enabled, please let the City Clerk know you would like to turn your camera on once you are called to speak.

Written Comments:
Please submit public comments to Planning Staff before the meeting via email to dhanham@ci.pinole.ca.us. Please include your full name, city of residence and agenda item you are commenting on.

OTHER WAYS TO WATCH THE MEETING

LIVE ON CHANNEL 26. They are retelecast the following week. The Community TV Channel 26 schedule is published on the city's website at www.ci.pinole.ca.us.

VIDEO-STREAMED LIVE ON THE CITY'S WEBSITE, www.ci.pinole.ca.us and remain archived on the site for five (5) years.

If none of these options are available to you, or you need assistance with public comment, please contact Planning Manager David Hanham at (510) 724-8912 or dhanham@ci.pinole.ca.us.

Americans With Disabilities Act: In compliance with the Americans With Disabilities Act of 1990, if you need special assistance to participate in a City Meeting or you need a copy of the agenda, or the agenda packet in an appropriate alternative format, please contact the City Clerk's Office at (510) 724-8928. Notification at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

Note: Staff reports are available for inspection on the City Website at www.ci.pinole.ca.us. You may also contact the City Clerk via e-mail at hbell@ci.pinole.ca.us.

CITIZEN PARTICIPATION:

Persons wishing to speak on an item listed on the Agenda may do so when the Chair asks for comments in favor of or in opposition to the item under consideration. After all of those persons wishing to speak have done so, the hearing will be closed and the matter will be discussed amongst the Commission prior to rendering a decision.

Any person may appeal an action of the Planning Commission or of the Planning Manager by filing an appeal with the City Clerk, in writing, within ten (10) days of such action. Following a Public Hearing, the City Council may act to confirm, modify or reverse the action of the Planning Commission and the Planning Commission may act to confirm, modify, or reverse the action of the Planning Manager. The cost to appeal a decision is $500 and a minimum $2,500 deposit fee.

Note: If you challenge a decision of the Commission regarding a project in court, you may be limited to raising only those issues you or someone else raised at the public hearing or in writing delivered to the City of Pinole at, or prior to, the public hearing.

Ralph M. Brown Act. Gov. Code § 54950. In enacting this chapter, the Legislature finds and declares that the public commissions, boards and councils and the other public agencies in this State exist to aid in the conduct of the people's business. It is the intent of the law that their actions be taken openly and that their deliberations be conducted openly. The people of this State do not yield their sovereignty to the agencies, which serve them. The people, in delegating authority, do not give their public servants the right to decide what is good for the people to know and what is not good for them to know. The people insist on remaining informed so that they may retain control over the instruments they have created.

A. CALL TO ORDER

B. PLEDGE OF ALLEGIANCE

C. LAND ACKNOWLEDGMENT

Before we begin, we would like to acknowledge the Ohlone people, who are the traditional custodians of this land. We pay our respects to the Ohlone elders, past, present, and future, who call this place, Ohlone Land, the land that Pinole sits upon, their home. We are proud to continue their tradition of coming together and growing as a community. We thank the Ohlone community for their stewardship and support, and we look forward to strengthening our ties as we continue our relationship of mutual respect and understanding.

D. ROLL CALL

E. CITIZENS TO BE HEARD

The public may address the Planning Commission on items that are within its jurisdiction and not otherwise listed on the agenda. Planning Commissioners may discuss the matter brought to their attention, but by State law (Ralph M. Brown Act), action must be deferred to a future meeting. Time allowed: five (5) minutes each.

F. MEETING MINUTES:

1. Planning Commission Meeting Minutes for April 22, 2024

G. PUBLIC HEARINGS

At the beginning of an item, the Chair will read the description of that item as stated on the Agenda. The City Staff will then give a brief presentation of the proposed project. The Commission may then ask Staff questions about the item.

For those items listed as Public Hearings, the Chair will open the public hearing and ask the applicant if they wish to make a presentation. Those persons in favor of the project will then be given an opportunity to speak followed by those who are opposed to the project. The applicant will then be given an opportunity for rebuttal.

The Public Hearing will then be closed and the Commission may discuss the item amongst themselves and ask questions of Staff. The Commission will then vote to approve, deny, approve in a modified form, or continue the matter to a later date for a decision. The Chair will announce the Commission's decision and advise the audience of the appeal procedure.

Note: No Public Hearings will begin after 11:00 p.m. Items still remaining on the agenda after 11:00 p.m. will be held over to the next meeting.

1. Comprehensive Design Review and Conditional Use Permit (PL23-0080, DR23-12, CUP23-05) Pinole Shores II Redesign

H. OLD BUSINESS

I. NEW BUSINESS

1. Review of Proposed Preliminary Capital Improvement Plan (CIP) FY2024-2025 through 2028-2029 for Consistency with the General Plan

2. Reselect Members for the Ad-Hoc Planning Commission Sub-Committee

J. CITY PLANNER'S/COMMISSIONER'S REPORT

K. COMMUNICATIONS

L. NEXT MEETING(S)

1. Planning Commission Regular Meeting, June 24, 2024, at 7:00PM

M. ADJOURNMENT

I hereby certify under the laws of the State of California that the foregoing Agenda was posted on the bulletin board at the main entrance of Pinole City Hall, 2131 Pear Street Pinole, CA, and on the City's website, not less than 72 hours prior to the meeting date set forth on this agenda.

_____
David Hanham
Planning Manager
POSTED: _____ pm

DRAFT

MINUTES OF THE REGULAR MEETING
PINOLE PLANNING COMMISSION

April 22, 2024

THIS MEETING WAS HELD IN A HYBRID FORMAT
BOTH IN-PERSON AND ZOOM TELECONFERENCE

A. CALL TO ORDER: 7:02 p.m.

B. PLEDGE OF ALLEGIANCE

C. LAND ACKNOWLEDGEMENT: *Before we begin, we would like to acknowledge the Ohlone people, who are the traditional custodians of this land. We pay our respects to the Ohlone elders, past, present and future, who call this place, Ohlone Land, the land that Pinole sits upon, their home. We are proud to continue their tradition of coming together and growing as a community. We thank the Ohlone community for their stewardship and support, and we look forward to strengthening our ties as we continue our relationship of mutual respect and understanding.*

D. ROLL CALL

Commissioners Present:	Banuelos, Bender, Lam-Julian, Martinez, Sandoval, Vice-Chairperson Menis, Chairperson Benzuly
Commissioners Absent:	None
Staff Present:	David Hanham, Planning Manager Erica Gonzalez, City Attorney's Office Justin Shiu, Contract Planner

Vice-Chairperson Menis reported on ex parté communications and stated he had sent out email messages about the meeting to his email list and had a conversation with Commissioner Martinez regarding Item I.

E. CITIZENS TO BE HEARD

Anthony Vossbrink, Pinole, reported he and other neighbors had raised concerns in the past, but they had not been addressed by City staff, including the current or former City Manager or the Traffic and Pedestrian Safety Committee (TAPS). The concerns were related to street lights that were not synchronized up and down Pinole Valley Road, around the Fitzgerald Drive and Appian Way Corridor down to San Pablo Avenue. He asked why the street lights from Pinole Valley Road from the Trader Joe's Shopping Center past Pinole Valley High School could not be placed on a delayed blinking system, with a blinking red-light or yellow calming system late at night to the early morning hours, which studies had shown significantly reduced carbon emissions.

Mr. Vossbrink also reported that a number of street lights up and down Pinole Valley Road and San Pablo Avene remained to be either repaired or replaced, an ongoing concern for residents who drove at night and had trouble seeing markers and street signs given that half of the lights were out along the route. While City crews were to be sent out twice a year to check or replace the lights and although residents had raised concerns on numerous occasions, very little has been done. He further questioned why directional signs and reflectors in the median strip could not be placed along San Pablo Avenue and Pinole Valley Road. In addition, the aluminum guard rails along the Pinole Valley Bridge remained to be repaired or replaced.

Planning Manager David Hanham explained that street light issues were under the purview of the Public Works Department.

Vice-Chairperson Menis understood that road signage and the details of traffic signalization were under the jurisdiction of the Planning Commission. He asked whether the City's intersections could be set with blinking red or yellow lights at certain times of the day.

Mr. Hanham clarified that was outside the jurisdiction of the Planning Commission and lighting issues were under the purview of the Public Works Department. He added that studies would be required to consider modifications to the traffic signals with the lights on an 80/20 operation during peak times, and with two-minute intervals late at night. The concerns could be forwarded to the Public Works Department and raised with the TAPS Committee as well.

F. MEETING MINUTES

1. Planning Commission Meeting Minutes from March 25, 2024

Vice-Chairperson Menis requested a correction to Lines 34 through 37 of Page 5 of the March 25, 2024 Planning Commission meeting minutes, as follows:

> *Vice-Chairperson Menis understood the ODDS were trying to get rid of subjective standards, such as compatibility with nearby buildings or a neighborhood style, as examples, and replace them with specific design standards that could be applied and he offered a number of examples*

Commissioner Lam-Julian requested the following corrections:

> Lines 10 through 11 of Page 2, to read:
>
> *She* [Commissioner Lam-Julian] *added the monthly West County Mayors' Conference was open to the public and the meetings were rotated between cities in Contra Costa County.*
>
> And Lines 13 through 16 of Page 7, to read:
>
> Commissioner Lam-Julian reported the City's Code Enforcement Officer had recently presented a flow chart of the process at Pinole National Night Out. She presented on permits at Pinole Rotary Club, which demystified the process and what the City

did behind the scenes. It was possible that information could be incorporated into the Community Engagement Plan.

MOTION with a Roll Call vote to approve the Planning Commission Meeting Minutes from March 25, 2024, as amended.

MOTION: Banuelos SECONDED: Martinez APPROVED: 7-0

G. <u>PUBLIC HEARINGS</u>: None

H. <u>OLD BUSINESS</u>: None

I. <u>NEW BUSINESS</u>

1. Selection of Chair, Vice-Chair and the Ad-Hoc Planning Commission Subcommittee for 2024/2025

Mr. Hanham presented the staff report dated April 22, 2024, and asked the Planning Commission to select the Planning Commission Chair, Vice-Chair and select members for the Ad-Hoc Planning Commission Subcommittee for 2024/2025.

Commissioner Martinez nominated Rafael Menis as the Chair of the Planning Commission for 2024/2025.

Vice-Chairperson Menis accepted the nomination.

MOTION with a Roll Call vote to elect ***Rafael Menis*** as the Planning Commission ***Chairperson*** for 2024/2025.

MOTION: Martinez SECONDED: Sandoval APPROVED: 7-0

Chairperson Benzuly was recognized for his tenure as the Planning Commission Chair for 2023/2024.

Newly-elected Chairperson Menis chaired the meeting at this time. He thanked the Planning Commission for the nomination and thanked Chairperson Benzuly for his tenure as Chair.

Commissioner Banuelos nominated Gabriel Sandoval as the Vice-Chairperson of the Planning Commission for 2024/2025, although Commissioner Sandoval was uncertain he would be able to serve and asked whether there was interest from other Commissioners.

Commissioner Benzuly welcomed someone new to serve which could provide a learning experience.

When asked, Commissioner Martinez stated he would be unable to serve given a medical condition requiring a number of doctor appointments, and while grateful deferred to Commissioner Lam-Julian, who stated she could not commit fully to serving as the Vice-Chairperson given time constraints.

Mr. Hanham clarified in response to the Chair that the Vice-Chairperson would fill in when the Chair was unavailable, and could also serve on the Planning Commission Ad-Hoc Subcommittee but was not required to do so.

Chairperson Menis highlighted the duties of the Vice-Chairperson, which he suggested would not involve greater duties beyond being a member of the Planning Commission.

On the discussion, and assuming no one was able to assume the role, Commissioner Martinez expressed the willingness to serve as the Vice-Chairperson of the Planning Commission for 2024/2025.

MOTION with a Roll Call vote to elect ***Frankie Martinez*** as the Planning Commission ***Vice-Chairperson*** for 2024/2025.

MOTION: Menis SECONDED: Benzuly APPROVED: 7-0

Mr. Hanham reiterated the Planning Commission Ad-Hoc Subcommittee would meet sporadically to provide input on Planning Commission-related projects on an as-needed basis and would be comprised of three Commissioners.

Commissioner Banuelos expressed an interest in serving on the Ad-Hoc Subcommittee.

Commissioner Sandoval commented that while he would like to serve, he did not have the capacity.

Commissioner Lam-Julian reiterated she could not dedicate any more time out of her existing schedule.

Commissioner Bender stated he would like to remain seated on the Ad-Hoc Subcommittee.

Vice-Chairperson Martinez asked if the group would be agreeable to meet at a later time of day when he could serve since the time of meetings conflicted with his existing schedule.

Chairperson Menis wanted to continue to serve on the Ad-Hoc Subcommittee.

Mr. Hanham clarified that only three members could serve on the Ad-Hoc Subcommittee since four members would constitute a quorum.

Vice-Chairperson Martinez bowed out at this time.

MOTION with a Roll Call vote to select Commissioners Banuelos, Bender, and Chairperson Menis to serve on the Planning Commission Ad-Hoc Subcommittee for 2024/2025.

MOTION: Menis SECONDED: Benzuly APPROVED: 7-0

J. CITY PLANNER'S/COMMISSIONER'S REPORT

Mr. Hanham provided an update on Pinole Shores II with the applicant having applied to change the dimension of the project from two buildings to one with the same square footage. With respect to Pinole Shores II, he explained that the environmental work continued and staff was waiting for traffic and other studies to be completed. The project was anticipated to be presented to the Planning Commission in the late May/early June timeframe.

Mr. Hanham added that for the Pinole Vista project, the applicant submitted an application to extend the project for one year and a Lot Line Adjustment (LLA) would be considered by the City Council in the next few months; the developer for the BCRE project was completing work on a project in the City of El Cerrito and would move the crew to start on the Pinole project thereafter; SAHA was moving forward and was on schedule; Vista Woods had corrected some foreman issues, with Phases 1 and 2 fronting San Pablo Avenue almost complete and with the framing for Buildings C and D completed. The Vista Woods project was scheduled to be completed around the end of the year or the beginning of 2025.

Applications for Accessory Dwelling Units (ADUs) continued to be submitted; staff continued to work on the Annual General Plan Consistency Report; the City Council Ad-Hoc Municipal Code Update Subcommittee had met to discuss amendments to the Zoning Code; the Planning Commission Ad-Hoc Subcommittee has done exhaustive work on reviewing the Objective Development Design Standards (ODDS), Three Corridors Specific Plan and Old Town Design Guidelines, with staff to make changes to all documents, to be presented to the Planning Commission in the summer and to the City Council in the fall. The Planning Commission Ad-Hoc Subcommittee would be asked to review the Parklet Design Guidelines and the Planning Commission was expected to be busy through the summer and fall.

Commissioner Lam-Julian asked the status of Nick the Greek, and Mr. Hanham advised the applicant had applied for a business license, which was to be processed this week.

Vice-Chairperson Martinez reported that Chairperson Menis had previously raised questions about the color scheme for Vista Woods and whether it would be more pronounced when driving by the property. Having recently driven past the property, he found the colors to be very, very muted and not as pronounced. He asked whether the color scheme could be verified to ensure it matched what had been presented and approved by the Planning Commission.

Mr. Hanham explained that the project was fluid in terms of what was being done, but he would bring the approved color palette to the Planning Commission at its next meeting as a communication item to ensure the color scheme matched what had been approved. He clarified that no final inspections had been done for the interior or exterior of the buildings.

Chairperson Menis recognized the project was under construction and it could be in the early stages of painting.

Commissioner Banuelos asked the status of the new 7-Eleven, to which Mr. Hanham reported the project had issues with PG&E and had to underground utilities but he could follow up on the status. He understood the underground work would not affect the building and while the lights were on, the electricity had been on and off due to the underground work which remained to be completed. PG&E would finalize all of that work.

Commissioner Banuelos also referenced Pinole Shores I, which had a sewer line at the rear of the property that had not been working. He asked whether the sewer line had been addressed as part of the work for Pinole Shores II. He also understood PG&E had a liaison with elected officials, and he had contacted PG&E in the past to get things moving.

Mr. Hanham reiterated the reason for the delay for the new 7-Eleven and he understood the PG&E liaison had been contacted. As to Pinole Shores II, he would have to review the easements that ran along the property, although he understood the development would improve where it stubbed in and he would have to check with the Public Works Department about the sewer lines to ensure capacity.

Chairperson Menis asked about the timeline for PG&E to do the underground work, and Mr. Hanham understood the work was ongoing, there were issues, and he could follow-up to learn the status and provide an update to the Planning Commission at the next meeting.

Chairperson Menis asked the status of Appian Village, and was informed by Mr. Hanham the affordable housing agreement for the project would be presented to the City Council in the next month. The applicant planned to submit a rough grading permit and had building permits and off-site improvements under review with the City prior to issuance of Final Maps. The project was due to be under construction in the fall.

Commissioner Benzuly found it had been a great experience to serve on the Planning Commission and watch how the landscape of the City of Pinole would change with new development. He thanked City staff and the City Attorney's Office for keeping him on track and the Planning Commission for its support over the past four years.

Chairperson Menis thanked Commissioner Benzuly for his service and tenure as Chair and prior years of service on the Planning Commission, and commended his practical skills which would be missed.

Commissioner Bender also recognized Commissioner Benzuly and thanked him for his service.

Commissioner Banuelos found Commissioner Benzuly had a good background, had run meetings well, had done an excellent job and wished him good luck and enjoyment of his private time. He would be missed and could be counted on to be sensible and able to get to the heart of the matter with good comments and instruction.

Vice-Chairperson Martinez recognized Commissioner Benzuly for his leadership during his time on the Planning Commission. He described him as precise and organized while the Planning Commission considered significant projects, and he thanked him for his guidance and ability to see things from a different lens.

Commissioner Lam-Julian thanked Commissioner Benzuly for his kindness, patience, leadership and emphasized he would be missed.

Commissioner Sandoval too thanked Commissioner Benzuly for his service to the City of Pinole and repeated the comments of his fellow Commissioners. He thanked him for being a part of the changes in the Planning Commission and agreed he would be missed.

Chairperson Menis again highlighted Commissioner Benzuly's dedication and skill, wished him well and thanked him for his service.

Commissioner Benzuly thanked the Planning Commission for the comments.

Vice-Chairperson Martinez reported he had ex-parté communications with resident Sandy Glanz, regarding a number of outstanding permits she had for repairs to one of her homes. He had shared Mr. Hanham's contact information and asked that she reach out to him directly for guidance.

PUBLIC COMMENTS OPENED

Anthony Vossbrink, Pinole, asked staff to provide an update on the 7-Eleven build out, whether 7-Eleven was a co-owner with Union 76, and whether staff had any status updates on a beer and wine liquor license for the business given his understanding 7-Eleven planned to sell beer and wine contrary to information that had been reported by staff to the City Council and Planning Commission, and which should be publicized to the public. He also asked the status of the Safeway build out and commented the City Council had recently approved a moratorium prohibiting the expansion of existing gas stations and the building of new gas stations; however, a gas station had been one of the components of the Safeway project and Safeway stated if it did not get a gas station there would be difficulties getting permits for its project. He also asked staff to clarify whether the City Council action would impact that development or whether an amendment to the moratorium was needed.

Additionally, Mr. Vossbrink asked for an update on the former Kmart build out, commented a large sign the City had installed in the parking lot had been removed, and asked the status of the Happy Sashimi Restaurant vacancy and what burden the new build outs would place on the Pinole-Hercules Wastewater Treatment Plant.

PUBLIC COMMENTS CLOSED

Mr. Hanham reported on his understanding there had been no movement on 7-Eleven's license with the Department of Alcoholic Beverage Control (ABC), although Valero had a liquor license for the sale of beer and wine and he would have to check the records to see whether 7-Eleven also planned to sell beer and wine. Union 76 was the new owner of the facility, Valero had moved out and that store may already have a liquor license and there could be only a change of ownership involved, which staff would monitor.

Mr. Hanham also reported City staff was working with the property owner of the Tara Hills Safeway, the City had installed a fence to prevent unpermitted parking and the property owner was doing their due diligence to secure tenants. He advised that all entitlements for the Pinole Square property had lapsed and as of now Safeway remained operational. For the former Kmart property, now the Pinole Vista site, the applicant was moving forward to extend the project for another year. The signage had been removed by the applicant as part of the original review process.

In terms of sewer issues, Mr. Hanham explained that the City was broken into two sewer districts; the West County Sewer District and the Pinole-Hercules Wastewater Treatment Plant. He identified the projects that were served by each sewer district and advised at this point in time staff was unaware of any sewer issues with any new build outs.

Mr. Hanham added that when the projects had gone through the entitlement process, they all had the ability to serve letters for sewer service and they could only assume the lines were sufficient to serve the projects. He was otherwise unaware whether a new tenant had been secured for the former Happy Sashimi Restaurant.

K. COMMUNICATIONS

Commissioner Lam-Julian reported she had attended several community events to connect with community members, and had participated in Walk and Roll Pinole 2024, with plans for a cleaner and magnified schematic for proposed updates to Tennant Avenue, Fitzgerald Drive, San Pablo Avenue and Appian Way on community preferences. Community input would be sought during the Earth Day celebrations.

Commissioner Banuelos reported he had recently received a building permit from the City and commented on his understanding the Mayor had received a number of complaints about the timeline for the City's permit process. He was curious whether the new online system would result in improvements and he urged Commissioners to work with people who could answer questions if the online system was not working.

Chairperson Menis reported the City had created new job classifications for junior engineers to help with the backlog of permits, which should help to resolve some of the issues.

Mr. Hanham explained that two Building Technicians were handling all of the processing for the City's building permits. He acknowledged there had been a huge backlog, with a Permit Technician brought on to resolve the backlog. While there had been some transitions with staff, the new online system was in place and the permit processing timeline had improved. There had also been issues with some of the plans not having been as clean as they should have been, which had added to the timeline for plan checks and multiple third-party plan checkers had been used to review all plans. With the new online system, the hope was to be able to monitor permits in the future, the last component to be implemented as part of the new system, which would further improve the process.

The Planning Commission discussed the new online permitting system, the challenges of expediting permits in the past and the hope that with the new system, processing of permits would improve. The public was asked to be patient during this time.

Erica Gonzalez, representing the City Attorney's Office, when asked by the Chair whether or not the subject discussion was appropriate, explained that as long as the discussion was more about clarification points from the Planning Manager that would not enter into the realm of a full discussion would be acceptable, although back and forth discussion amongst the Commission should be open to the public.

Chairperson Menis reported the Senior Center would hold its Senior Food Distribution for low-income seniors on April 23, 2024 from 10:00 to 11:00 a.m., with applications able to be filed online along with proof of age and residence. In addition, the Community Services Commission would meet on April 24, 2024 at 5:00 p.m. at City Hall.

Mr. Hanham took the opportunity to express his appreciation to Commissioner Benzuly for his service as a member of the Planning Commission, particularly given his background when some of the more significant development projects had been considered by the Planning Commission.

L. NEXT MEETING

The next meeting of the Planning Commission to be a Regular Planning Commission Meeting scheduled for May 13, 2024 at 7:00 p.m.

M. ADJOURNMENT: 8:25 p.m.

Transcribed by:	Edited by:
Sherri D. Lewis Transcriber	City Staff

Memorandum

TO: **PLANNING COMMISSION MEMBERS**

FROM: **David Hanham, Planning Manager**

SUBJECT: **Pinole Shores II, 830-848 San Pablo Avenue**

DATE: **June 10, 2024**

Property Owner	City of Pinole 2131 Pear Street Pinole, CA 94564
Applicant	GRP Shores, LLC J Diemer 2350 N. University Drive #848300 Pembroke Pines, FL 33084 Herdman Architecture & Design 16201 Scientific Way Concord, CA 94520
File	Planning Application PL23-0080 Comprehensive Design Review (CDR) DR 23-12 Conditional Use Permit (CUP) Application 23-05
Request	Comprehensive Design Review and Conditional Use Permit to develop a project consisting of construction of a tilt up wholesale distribution and warehouse buildings with accessory office space for a total of 116,730 square feet of warehouse and approximately 4,996 square feet of office floor area, as well as site preparation of the vacant 7.37-acre site and consolidation of parcels.
Location	836-848 San Pablo Avenue, Pinole CA 94564
Assessor Parcel Number(s)	402-230-015, 402-230-016, 402-230-017, 402-230-018, and 402-230-020
Total Area	7.37 acres/321,020 sf
General Plan Land Use Designation	SSA, Service Sub Area
Specific Plan Sub-Area	SSA, San Pablo Avenue Corridor /Service Sub-Area
Zoning Classification	OIMU, Office Industrial Mixed-Use
Review Authority	**Comprehensive Design Review** - Planning Commission – Pinole Municipal Code (PMC) §Table 17.10.060-01; **Conditional Use Permit** – Planning Commission – PMC § Table 17.10.060-01;

BACKGROUND

In July of 1999, the Pinole Redevelopment Agency (the "Agency") adopted an Economic Development Strategy Plan. The Plan focused on blighted parcels along San Pablo Avenue that could be used to strengthen the City's Industrial Park. The Plan identified the subject site at 836-848 San Pablo Avenue, the former Anthony Auto Wreckers site, as a site for future redevelopment. The project area is bordered to the south by the Pinole Shores I project, which includes two light industrial buildings, a building that is used for ancillary commercial uses (a restaurant, a commercial kitchen for small business and catering, and a gym). It is bordered to the east by an existing materials yard, to the north by the BNSF Railroad and Bay Trail, and to the west by existing residential developments. The Pinole Shores I project is also located on the original Anthony Auto Wreckers site. Upon purchase of the site, the Agency undertook environmental clean-up due to the prior use. Upon completion of the clean-up, in 2002, the Agency received a Covenant and Environmental Restriction from the California Regional Water Quality Control Board that restricts the use of the site to industrial, commercial or office use. See **Figure 1** for proposed project location and surrounding area.

Figure 1: Project Location

In April of 2005, the Agency approved a Disposition & Development Agreement (DDA) with the Panattoni Development Group for the development of the Pinole Shores Business Park at 836-848 San Pablo Avenue. The project was designed to provide ownership opportunities for small businesses owners by creating approximately 149,871 square feet of light industrial, businesses condominiums that could be used for manufacturing, office, warehousing, wholesale distribution, and retail purposes.

In 2006, Pinole Shores I started construction on four buildings identified as 806, 812, 818 and 824 San Pablo Avenue. Each of these addresses have multiple suites due to condominiums maps that were approved for the four buildings. As the buildings were being built for Pinole Shores I, the developer started the financing process the Pinole Shores II project.

In March of 2007, the City and Panattoni Development Company entered into a new DDA for the construction of the Pinole Shores II project. In 2008 there was a collapse in the real estate market – for both commercial and residential real estate. At that time, the Panattoni Development Company determined that the proposed Pinole Shores II project was no longer financially feasible and decided not to purchase the remaining 7.37 acres that was to comprise the Pinole Shores II project. The City and Panettoni subsequently terminated the existing DDA.

On May 28, 2019, the City entered into an Exclusive Negotiating Agreement with General Realty CE, LLC to purchase the property at 836-848 San Pablo. The negotiations resulted in the execution of a DDA with GRP Shores, LLC, (the "Applicant") an affiliate of General Realty, on May 9, 2022. Certain terms and conditions of the DDA include the City obtaining the necessary easements needed from EBMUD and the Pinole Shores 1 existing project in order to access surface and underground areas needed for the development of the new proposed project. In addition, the Applicant is required to obtain the entitlements necessary to construct the proposed project prior to closing on the property.

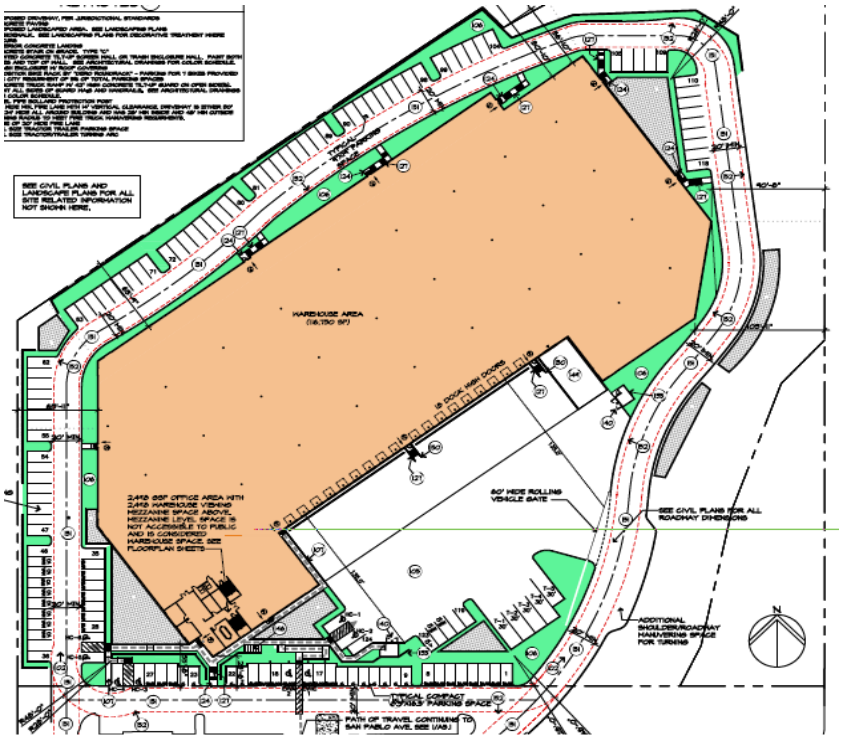
In January of 2022, the Applicant submitted a Development Application for a Comprehensive Design Review, and a Parcel Map. In April of 2022, the Applicant submitted a Development Application for a Conditional Use Permit. The purpose of these applications was to construct two-tilt-up buildings totaling 117,943 square feet, a parcel map to consolidate the parcels from five to one, and to allow for a wholesale distribution and reduced parking at the project site. On May 8, 2023, the Planning Commission approved Resolution 23-04 approving a Conditional Use Permit, Comprehensive Design Review, Parcel Map consolidating 5 parcels into one, and a Notice of Exemption for California Environmental Quality Act, (CEQA) compliance.

In November of 2023, the Applicant submitted a Development Application for a Comprehensive Design Review and Conditional Use Permit for the purpose of building one tilt-up building totaling approximately 121,726 square feet (116,730 sf of warehousing, 2,498 sf of office space, and 2,498 sf mezzanine within the building), the ability to have wholesale distribution, and reduced parking.

PROJECT DESCRIPTION

The proposed project has three major components: Comprehensive Design Review, a Conditional Use Permit, and a Parcel Map. The Comprehensive Design Review will review the design of the building, the landscape and parking plan, and overall consistency with the Pinole Shores I project. The Conditional Use Permit will review will determine if wholesale distribution will be allowed at the project site and if a reduction of parking may be granted. The Parcel Map will review the consolidation of five existing parcels through a Parcel Map into one parcel. See **Figure 2** for the proposed site plan and landscaping for the new development.

Figure 2 Site Plan



The project would construct one new 43-foot-high “tilt-up” building. Tilt-up construction refers to a series of concrete panels which are poured into forms on the ground and then tilted up into place to comprise a building's exterior walls The project proposes a total of 116,730 square feet of warehouse area 4,996 square feet of office space. The project also includes the installation of parking, lighting, landscaping, and other ancillary improvements to accommodate the proposed development. A more detailed landscape plan is outlined in **Exhibit C** of this report.

Uses and Layout

The one Building will be located in the middle of the property facing northeast to southwest as stated above will contain 116,730 square feet of warehouse/research/development/industrial space and 2,498 square feet of office space. The Building will have roll-up doors and parking for 18 trucks at the loading

docks. The building will also have the 2,498 square feet of office space on the ground floor and 2,500 square feet on a mezzanine level. The ground floor office spaces in each building will have a conference room, two private offices, a kitchen area, and four bathrooms, two of which are accessible from the office and two from the warehouse area. Each building contains two staircases, one internal to the office space and connects the ground floor with the mezzanine, and the other within the warehouse space providing a connection from the warehouse floor to the mezzanine level.

Parking

The project site will be improved with a 20-foot-wide exclusive access road which will extend from the southeast corner of the site along the perimeter of the building footprint to the southwest corner of the site. Through access will be provided from existing driveways at the adjacent Pinole Shores Business Park. Access easements will be established to formalize access to the project site through the Pinole Shores Business Park.

The project includes 132 head-in parking spaces with dimensions of nine feet wide by 19 feet deep for passenger vehicles on the periphery of the site, surrounding the new structures. Of the 132 parking spaces, eight will be ADA accessible and four will be clean-air carpool/vanpool spaces. Pursuant to Bay Area Air Quality Management District (BAAQMD) requirements, 19 of the parking spaces be electric vehicle charging spaces, and 38 spaces be charger ready (with infrastructure installed for future charging). There will be 23 trailer spaces (5 trailer parking spaces and 18 truck loading and unloading spaces at the loading docks. These spaces are equipped with two dock-high roll-up doors.

Accessibility

A pedestrian sidewalk is proposed to provide a connection between the new building and the Pinole Shores Business Park.

The project will install 2 Dero Roundrack at the front entrance of Building One and Building Two. The racks for both building will allow for 8 bike parking spaces, four bikes at Building One and four bikes at Building Two. It should be noted bike parking is not required for industrial pursuant to Section 17.48.120 (B) of the Pinole Municipal Code.

The West Contra Costa Transit Authority (WestCAT) serves the project site. The nearest westbound bus stop is located on San Pablo Avenue adjacent to the Pinole Shores Business Park frontage, and the nearest eastbound bus stop is located across the street at the intersection of San Pablo Avenue and Meadow Avenue.

Landscaping

The applicant is proposing a full-scale preliminary landscape and irrigation plan for this project. The Preliminary Landscape and Irrigation Plan outlines trees, shrubs, ground cover over the project area. The preliminary landscape and irrigation plan on pages L1.00 – L4.00 (Exhibit C) outlines the landscaping requirements as outlined in Chapter 17.44. Landscaping. for this project. Pursuant to Section 17.44.030 final landscape plans are required and are listed in Conditions of Approval 52.

The project will install a sidewalk is proposed to provide a connection between Building Two and the Pinole Shores Business Park.

Development Standards

Table 1 compares the proposed project with the required development standards under Chapter 6 of the Three Corridors Specific Plan and in PMC §17.24.030 and 17.48.050. The table shows that a CUP is required for wholesale distribution at the site.

Table 1. Development Standards

Development Standard	Code Requirement		Proposal for Pinole Shores II Development	Complies?
Setbacks	PMC- Table 17.24.020-1/Three Corridor Specific Plan -			
Front	0-5 feet		20 feet	Yes
East Side	10 feet		64 feet	Yes
West Side	10 feet		91 feet	Yes
Rear	0-15 feet		66 feet	Yes
Building Height	4 stories/ 50 feet PMC -Table 17.24.020-1 /Three Corridor Specific Plan Table 6-3		1 story/40 feet	Yes
Parking	PMC §17.48.040: Warehousing, Wholesaling, Research, and Other Industrial: 1 Space/1,000 sf of gross floor area, plus 1 space for every 4 employees, and 2 loading spaces Offices, Business and Professional, including medical: 1 Space/250 sf of gross floor area. PMC §17.48.110: Loading Space: 1 Space/10,000 sq ft, plus 1 space for additional each 40,000 sq feet	Total Required: 137 spaces required, plus 1 space for every 4 employees and 4 loading spaces. Details - Warehouse/ Wholesale/ Research/ Other Industrial space = 117 parking spaces - Employee Fractional: 1 space for every 4 employees[1] - Office/ Mezzanine (4,996 sf) = 20 parking spaces - Loading spaces; 4 spaces	Total Provided: 132 total parking spaces. 5 loading spaces Details: - Warehouse/ Wholesale/ Research/ Other Industrial space: 117 spaces provided. - Employee fractional: undetermined, as an end-user has not been identified. - Office/ Mezzanine: 5 15 spaces provided. - Loading spaces: 5 spaces provided	No, a CUP is required[2]

[1] Number of employees unknown at this point in time as an end-user has not been identified.

2 The project is deficient by 5 spaces of the 20 spaces required for the office portion of the use. Additionally, the project does not meet the additional fractional requirement of 1 space per every 4 employees. A CUP is requested to waive these requirements for parking.

Development Standard	Code Requirement		Proposal for Pinole Shores II Development	Complies?
Landscaping	PMC §17.44.050 General Landscape Development Standards PMC §17.44.060 Special Landscape Requirements Applicable: PMC §17.44.060. F. On-Site Pedestrian Pathways. PMC §17.44.060. L.3 Parking Lot Shade		Pages L1.0 through L4.0 outlines the landscape requirements in 17.44.050.	Yes, the applicant has prepared a landscape plan in accordance with Chapter 17.44 of the PMC

Overall Design

The structure is composed of concrete tilt-up wall panels with a similar color scheme and fenestration pattern. With respect to the color palette, the applicant proposes metallic white, light grey, dark grey with stamped concrete. With respect to the windows, the applicant proposes medium performance green reflective glazing with clear anodized mullions windows throughout both buildings. **Figures 5** through **8** show the proposed design of the completed project.

Figure 5 Proposed Southeast Elevation

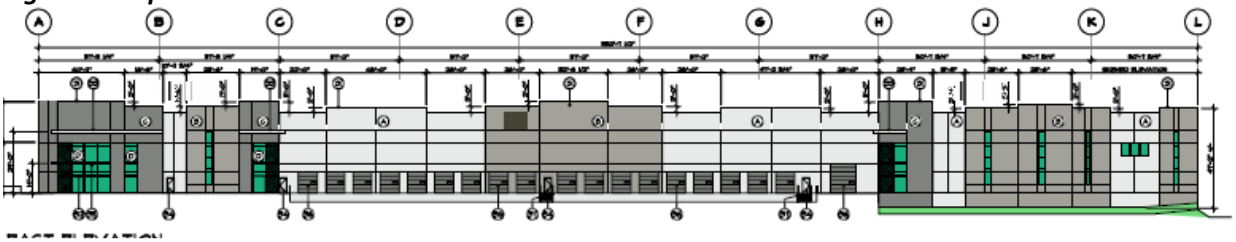


Figure 6: Proposed Southwest Elevation

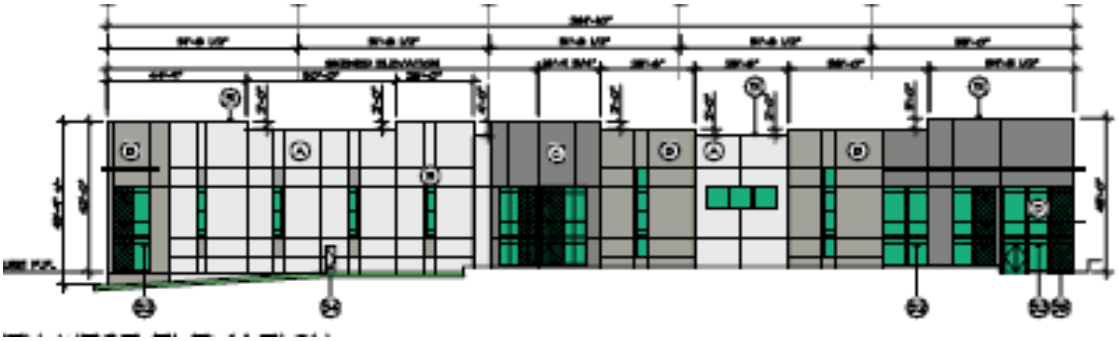


Figure 7: Proposed Northwest Elevation

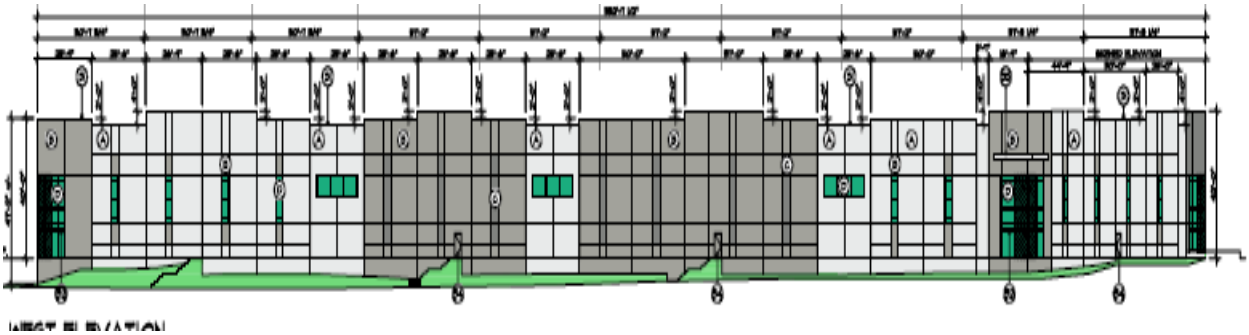
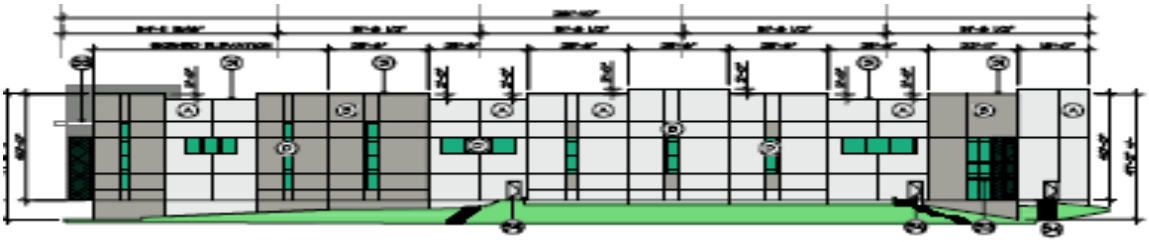


Figure 8: Proposed Northeast Elevation



Required Land Use Approvals

Entitlements and approvals required for the project include Comprehensive Design Review, a Conditional Use Permit, and a California Environmental Quality Act (CEQA) determination. Pursuant to PMC Table 17.10.060-1, the Planning Commission has approval authority of the Comprehensive Design Review, Conditional Use Permit, and CEQA determination. It should be noted that the Council has *de novo* approval authority of the entitlements on a timely filed appeal of the Planning Commission's decision.

Ad-Hoc Committee Review

The Planning Commission's Ad-Hoc Committee provided feedback on design treatments for the original design on May 5, 2022, for the original project that was approved by the Planning Commission on May 8, 2023. This feedback resulted in architectural revisions which added more details and interest to the buildings. Comments from the Ad-Hoc Committee are summarized below with the status noted in italics below the comment. Since the new project's use and impacts were similar to those that were reviewed prior, Staff carried over these comments for the use of the new building.

1. Consider the building design to add a mixture of colors consistent with Pinole Shore I and eliminate the box style development.
   - *Based on the anticipated use of the buildings, the Applicant was unable to revise the box style of the buildings. However, the Applicant added assorted colors to the building to be consistent with Pinole Shores I. The applicant also added two-foot undulations for every 50 feet, consistent with the Specific Plan, which helps to break up building massing.*
2. Consider use of native tree species as much as possible.
   - *The Applicant will consult with the arborist, and a condition of approval (COA) No. 52 has been included in the draft resolution which would require the inclusion of more native trees where possible.*
3. Ensure adequate lighting but minimize spillover light.
   - *Preliminary lighting fixture details are included the plans, and a condition of approval (COA No. 41 has been included in the draft resolution that would require the project to comply with Chapter 17.46 of the City's Municipal Code Lighting standards, which address levels of illumination.*
4. Consider adding a traffic signal at the main entrance of Pinole Shores I and San Pablo Avenue. After reviewing this consideration from the Ad-Hoc Committee and the new use of the project, the Applicant will be completing the following:
   - *After collaborating with the Department of Public Works, the applicant's traffic engineer and the environmental consultant, the developer agreed to make the following off-site improvements:*

     a. *Construct a traffic signal at the intersection of Meadow Avenue and the most eastern driveway of the Pinole Shores Industrial. Figure 4 shows the conditions of past recommendations as well as the traffic signal recommendation.*

5. Sustainability of the building, including solar panels, EV (electric vehicle) parking, all electric buildings.
   - *The applicant is proposing to install 19 EV parking stalls, 38 EV ready stalls, incorporate sky lights and solar panels on the roofs, as well as make the buildings all electric. In the future, solar paneled covered parking could be installed where applicable with the approval of a building permit. Staff is requiring the applicant to submit a parking plan within the Parking Management Plan (COA No. 36) showing placement of the 19 charging stations and conduit for the additional locations consistent with the Bay Area Air Quality Management District.*

Figure 4 Transportation Recommendation

ANALYSIS

The project has been reviewed for consistency with the City's General Plan, the Three Corridor Specific Plan, and the Zoning Ordinance. As part of the consistency evaluation, the Planning Commission is required to make specific findings and other considerations consistent with Chapters 16.12 (Tentative Maps) and 17.12 (Entitlements) of the PMC in order to approve the Comprehensive Design Review, Conditional Use Permit, and Parcel Map. The following discussions expand on elements considered in the determination of consistency with findings.

General Plan Consistency

The property located at 836-848 San Pablo Avenue has a General Plan Land Use Designation of "SSA" (Sub-Service Area). The SSA designation is intended to maintain and enhance existing land uses while providing land use flexibility and incentives to encourage new private investments and additional development. Each Service-Sub Area has a different emphasis. San Pablo Avenue Corridor SSA is intended to preserve land for manufacturing and industrial uses, particularly "green industry." A limited amount of general office, retail and residential uses may be permitted where they will not conflict with the principal industrial uses in the area.

POLICIES

The project helps to implement policies within different elements of the General Plan including the Community Character Element, Land Use and Economic Development Element, Circulation Element, Health and Safety Element, and the Sustainability Element. The policies below are a partial list of the most relevant to the project.

Community Character Element

POLICY CC.1.1 All new development and redevelopment shall adhere to the basic principles of high-quality urban design and architecture including, but

not limited to, human-scaled design, pedestrian orientation, and interconnectivity of street layout, siting buildings to highlight important intersections, entryways, focal points, and landmarks.

POLICY CC.1.2 Require all new development to incorporate high-quality site design, architecture and planning to enhance the overall quality of the built environment in Pinole and create a visually interesting and aesthetically pleasing town environment.

POLICY CC.1.5 Encourage project compatibility, interdependence, and support with neighboring uses, especially between commercial and mixed-use centers and the surrounding residential neighborhoods. Uses should relate to one another with pedestrian connections, transit options, shared parking, landscaping, public spaces, and the orientation and design of buildings.

Land Use and Economic Development Element

POLICY LU.3.3 Require design review of commercial and industrial projects to ensure compatibility with adjacent or nearby land uses, including intensity, access, internal circulation, visual characteristics, noise, odors, fire hazards, vibrations, smoke, discharge of wastes and nighttime lighting.

POLICY LU.7.1 Provide sufficient land for commercial and industrial uses to allow for development that provides basic goods and services to Pinole residents.

POLICY LU.7.3 Continue to strive for a balance between the number of jobs in the Pinole Planning Area and the number of housing units available for workers by encouraging and supporting policies and programs, mixed-use projects which provide both housing and employment opportunities, and the development of affordable housing.

POLICY LU. 7.5 Ensure that new and existing developments can be adequately served by municipal services and facilities in accordance with City standards. New projects which require construction or expansion of public improvements shall pay their fair share of the costs necessary to improve or expand infrastructure to serve them, including street improvements, parks, water storage tanks, sewer and water service, and other public services.

Circulation Element

POLICY CE.1.1 Encourage strategic growth that concentrates future development along Pinole's three primary transit corridors (San Pablo Avenue, Appian Way, and Pinole Valley Road).

POLICY CE.1.4	Encourage maximum utilization of the existing public transit system and alternate modes of transportation in Pinole.
POLICY CE.1.2	Coordinate development of the circulation system with sustainable land use planning.
POLICY CE.6.1	Encourage the use of carpooling and vanpooling to maintain an acceptable LOS on city streets and I-80.
POLICY CE.6.2	Implement transportation demand management strategies in conjunction with land uses in order to prevent future traffic congestion in the city.
Action CE.7.2.2	Require provision of adequate, convenient, and secure bike parking in conjunction with private development.
POLICY CE.8.1	Require development to provide pedestrian walkways that are safe, interconnected, and accessible by all members of the community.

Health and Safety Element

POLICY HS.6.1	Promote and encourage walking and bicycling as viable forms of transportation to services, shopping, and employment.
POLICY HS.7.3	Reduce the transport of runoff and surface pollutants off site.

Sustainability Element

POLICY SE.3.4	Reduce GHG emissions by reducing vehicle miles traveled and by increasing or encouraging the use of alternative fuels and transportation technologies.
POLICY SE.4.1	Explore and promote opportunities for the City's use of sustainable energy sources (e.g., solar, wind, biomass, tidal energy generation, methane, geothermal, and hydropower).
POLICY SE.4.3	Pinole will promote and require renewable energy generation and cogeneration where feasible and appropriate.
POLICY SE.4.5	Pinole will continue to promote and support and require, where appropriate, the development of solar energy.
POLICY SE.7.4	In order to reduce vehicle miles traveled and traffic congestion, new development within 1,000 feet of an existing or planned transit stops should be designed to encourage the usage of public transit and minimize the dependence on the automobile through the application of site design guidelines.

Action SE.8.7.3 Require new commercial, multi-family residential, and mixed-use development to provide secure bicycle parking.

Staff Comment: The project is consistent with the General Plan, as demonstrated by the highlighted policies above. The project features high quality architectural design with internal aesthetic and functional connections between the new development and existing development. The project proposes infill development that realizes potential within the existing property to create new opportunities that expand industrial uses. As new construction, the project would be required to comply with current green building standards under the California Building Code, which include energy efficiency standards in buildings, compliance with solar requirements, and electric vehicle (EV) capable infrastructure. By constructing the building in manner proposed by the applicant, the project is consistent with current standards to manage stormwater runoff and intake to existing stormwater facilities. Additionally, new landscaping areas and plantings are proposed on site which creates parking lot shading. The new landscaping will be drought resistance and comply with current State-mandated water efficient standards.

Specific Plan and Zoning Consistency

The Pinole Shores II project is in the San Pablo Avenue Corridor of the Three Corridor Specific Plan. The project is in the service sub-area (SSA) and has a Specific Plan Land Use/Zoning Designation of Office Industrial Mixed-Use (OIMU). See **Figure 9** for a map of the Specific Plan and Zoning designation. The intent of OIMU under the Specific Plan is to allow a wide range of office and light industrial development. This designation is intended for office and light industrial uses with supporting retail and service uses. The predominant use allowed is office and/or light industrial. Retail must be ancillary to the principal industrial activity of the property and cannot exceed 10% of the total usable floor area. Public and quasi/public uses (community centers, public library, city hall, parks and other community-serving uses) are permitted.

At this time, the applicant does not have an end-user identified for this project. However, the applicant has indicated the building will be used primarily used for warehousing and distribution use, and wholesale distribution.

The project is consistent with the following Economic Development Strategy, Land Use, and Circulation Policies in the Specific Plan:

POLICIES

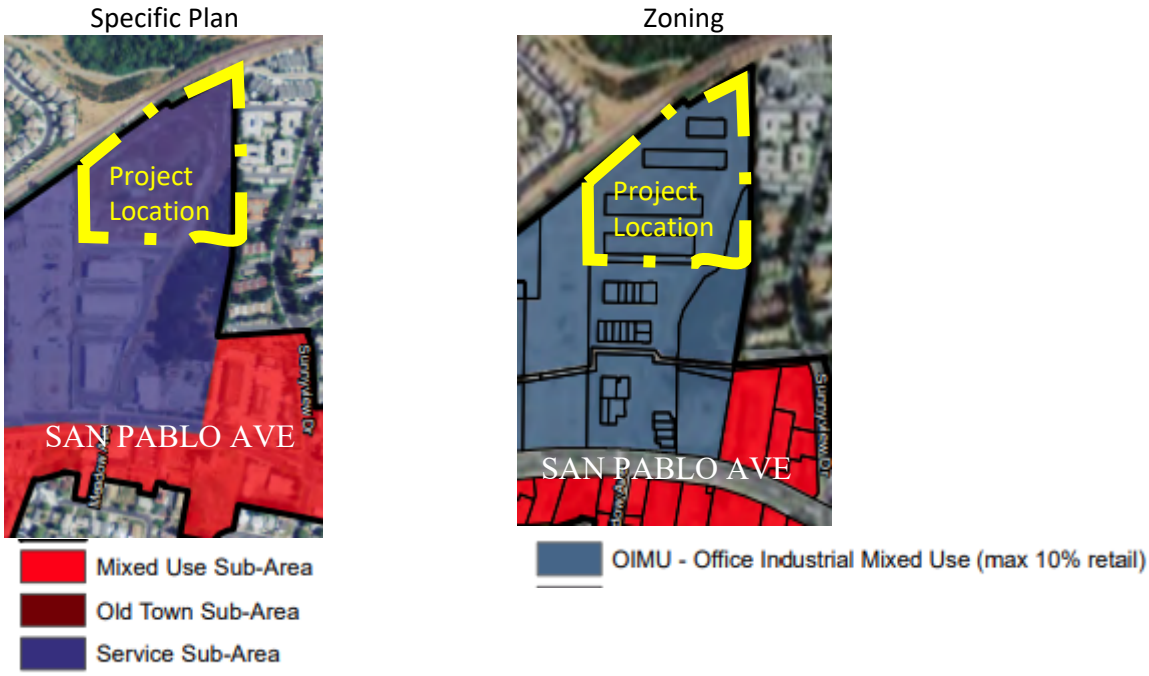
Land Use Policy 5. Support existing viable uses while encouraging a new mix of uses.

Land Use Policy 6. Actively promote the "revitalization" of underutilized land.

Circulation Policy 7. The City will ensure that there are clear rights-of-way for safe passage of pedestrians and bicyclists using San Pablo Avenue, Pinole Valley Road, and Appian Way

Economic Development Strategy (San Pablo Avenue Corridor). Support economic development that will bring more housing, retail, and employment to the community.

Figure 9 Specific Plan Designation and Zoning



Staff Comment: Based on the policies listed above from the Specific Plan, the project is consistent with the Specific Plan. The property is identified as Opportunity Site #5 in the Specific Plan, where light industrial uses were identified as a potential example of future development and office industrial mixed use would be desired. Additionally, the Specific Plan identifies that Green Industry is a permitted use by right in the OIMU designation. The project includes construction of a new light industrial building.

With the new construction of the building, the leasable space would be approximately 121,766 square feet upon completion of the project. (see **Table 2**).

Table 2: Total/Leasable Square Footage Proposed

Square Footage	**Warehouse/ Wholesale/ Research/ Other Industrial**	**Office**	**Total Square Footage**
Pinole Shores II	116,730 (96%)	4,996 (4%)	121,726 (100%)

Comprehensive Design Review Findings

In order to approve the Comprehensive Design Review, the Planning Commission must find for each of the required Comprehensive Design Review findings. Each finding is listed below followed by staff comment and conclusion.

> *1.The proposed project is consistent with the objectives of the general plan and complies with applicable zoning regulations, planned development, master plan or specific plan provisions, improvement standards, and other applicable standards and regulations adopted by the city.*

Staff Comment: As stated above in this report, General Plan and Specific Plan goals and policies have been identified to satisfy consistency with the project. The project is compatible with the applicable zoning development standards for the project as shown in **Table 1**, and as otherwise permitted for provision of warehouse, research and development, distribution, and wholesale distribution.

Staff Conclusion: Based on the discussion above, the proposed project is consistent with the General Plan, Three Corridor Specific Plan, and the City of Pinole Zoning Ordinance,

2. The proposed project will not create conflicts with vehicular, bicycle, or pedestrian transportation modes of circulation.

Staff Comment: As part of the environmental component of project a Traffic Impact Study and a Vehicle Miles Traveled Analysis were conducted. Both studies showed that the traffic impacts were less than significant impact and will not create conflicts with implementation measures outlined in the document

Staff Conclusion: Based on the discussion above, the proposed project with not create conflicts with vehicular, bicycle or transportation modes of circulation.

3. The site layout (orientation and placement of buildings and parking areas), as well as the landscaping, lighting, and other development features, are compatible with and complement the existing surrounding environment and ultimate character of the area under the general plan and applicable specific plans.

Staff Comment: As shown on page A2.1 of the March 18, 2024, project plan set (**Exhibit C**), the proposed building is place strategically to complement existing Pinole Shore I buildings. The plans also show that the primary areas for distribution activity are shielded from existing residential units to the east and west of the project. All proposed lighting has been located such that none of it leaks to adjacent parcels and is consistent with the existing Pinole Shore I project.

As stated above, this project meets General Plan and Specific Plan consistency. The opportunities for landscaping and open space are limited on the property, however the project proposed landscaping areas consistent with the existing Pinole Shores I project. The landscape plans indicate that the landscaping area on the property frontage will be maintained. Landscaping strips and pockets have been placed around the property while maintaining adequate room for parking and circulation. Pages L1.00 through L4.00 of the design package dated September 14, 2022 (**Exhibit C**) outline the conceptual landscape plan with potential tree, shrub and ground cover choices that are drought tolerant and well-suited to Pinole's climate.

Staff Conclusion: Based on the above discussion, the project would be compatible with and complement the existing surrounding environment and ultimate character of the area.

4. Qualifying single-family residential, multi-family residential, and residential mixed-use projects shall comply with all relevant standards and guidelines in the city's currently adopted design guidelines for residential development.

Staff Comment: This finding is not applicable to due to this project not having a residential component.

Staff Conclusion: The finding is not applicable.

In conducting comprehensive design review, the Planning Commission must reflect on the following considerations. Each consideration is listed below followed by staff comment and conclusion.

1. Considerations relating to site layout, the orientation and location of building, signs, other structures, open spaces, landscaping, and other development features in relation to the physical characteristics, zoning, and land use of the site and surrounding properties.

Staff Comment: The Development Package dated March 18, 2024 (**Exhibit C**), as well as the assessment of the project in this report, demonstrates that the project has been designed to consider all of the development features applicable to the project site and surrounding properties. The proposed development meets the applicable standards for the land use and zoning for the location.

Staff Conclusion: Based on the discussion in the staff report and the design package dated March 18, 2024. (**Exhibit C**), the site layout and other design features in relation to the physical characteristics of the site and surrounding properties have been considered.

2. Considerations relating to traffic, safety, and traffic congestion, including the effect of the development plan on traffic conditions on abutting streets, the layout of the site with respect to locations and dimensions of vehicular and pedestrian entrances, exits, driveways, and walkways, the adequacy of off-street parking facilities to prevent traffic congestion, and the circulation patterns within the boundaries of the development.

Staff Comment: As part of the environmental component of the project a Traffic Impact Study and a Vehicle Miles Traveled Analysis were conducted. Both studies showed that the traffic impacts were less than significant impact and will not create conflicts with implementation measures outlined in the document. Conditions of Approval ENV – COA No. 113 outlines mitigations that will be required for this project.

The project proposes transportation demand management strategies. The design of the building allows for separation between the distribution component and the office component, which alleviates conflict between large delivery trucks and employee's vehicles. The design of the project also complements the existing Pinole Shores I project so that the parking spaces between the two buildings can be shared and allow for pedestrian access.

Staff Conclusion: As documented in this report, the traffic impact analysis for this project and the proposed project design addresses and considered traffic, safety, traffic congestion and the effect of the development on traffic conditions. The project includes appropriately designed vehicle and pedestrian entrance, exits, driveways and walkways.

3. Considerations necessary to ensure that the proposed development is consistent with the general plan and all applicable specific plans or other city plans, including, but not limited to, the density of residential units.

Staff Comment: This finding is not applicable to this project due to the project not proposing any residential development.

Staff Conclusion: This finding is not applicable for this project.

4. Considerations relating to the availability of city services, including, but not limited to, water, sewer, drainage, police, and fire, and whether such services are adequate based upon city standards.

Staff Comment: The City sent communications to all of the City departments as well as EBMUD for input on availability of city services. Based on preliminary comments received of available utility information. this project has availability of water, sewer, drainage, police, and fire service.

Staff Conclusion: City services are available and adequate to serve the site. Also, the developer will pay impact fees and construct improvements to augment city services for this project.

Conditional Use Permit

Wholesale Distribution Use. At this time, the applicant does not have an end-user identified for this project. The applicant has indicated the buildings will be used primarily used for warehousing and distribution use, and/or wholesale distribution. Wholesaling and distribution are a use that is only allowed at the project site with the approval of a CUP.

Wholesaling and Distribution is listed in Table 17.20.030-1 in PMC § 17.20.030 as requiring a CUP in the OIMU Zoning District. Furthermore, Wholesaling and Distribution is defined by PMC §17.22.020. (H) as:

> *Establishments engaged in selling merchandise to retailers; to industrial, commercial, institutional, farm, or professional business users; or to other wholesalers; or acting as agents or brokers in buying merchandise for or selling merchandise to such persons or companies. Includes such establishments as agents, merchandise or commodity brokers, and commission merchants, assemblers, buyers, and associations engaged in the cooperative marketing of farm products, merchant wholesalers, and stores primarily selling electrical, plumbing, heating and air conditioning supplies and equipment.*

The Applicant's architect has indicated that the most likely end-user of the building a distribution and/or light manufacturing user. However, since the end-user is unknown at this point, the applicant is requesting approval of the CUP so the building can be marketed and potentially tenanted by a wholesale distribution use.

Parking Reduction. The project includes 132 head-in parking spaces with dimensions of nine feet wide by 19 feet deep for passenger vehicles on the periphery of the site, surrounding the new structures. In calculating required on-site parking for portions of the buildings slated for warehousing, wholesaling, research and other industrial uses, PMC §17.48.040 mandates a ratio of 1 space per every 1,000 sf of gross floor area plus 1 space per every 4 employees. The applicant has provided parking for the project that meets the standard requirement of 1 space per every 1,000 sf (for warehousing, wholesaling, research. However, the project does not meet the or 250 sf (for office) of gross floor area and does not meet the additional fractional requirement which is dependent on the number of employees. As the

applicant has not identified an end-user for this project at this time, the number of employees is unknown, and the fractional requirements has not been met. Section 17.48.060 establishes that Planning Commission may grant a reduction in required parking for any use (except for single-family, ADU or two-family dwellings) through approval of a CUP. Therefore, the applicant is requesting approval of the CUP to waive the further fractional requirement, which is employee dependent, in addition to five of the 20 required parking spaces associated with the requirement to provide 1 space per 250 sf of gross floor area of office.

The architect has reported that based on their understanding of the desired uses and their experience there could be between 100-150 employees within buildings depending on the end user. This estimate takes into consideration all shifts in a 24-hour period, which will depend significantly on the specific tenants. Distribution users would be on the lower end of this estimate, research and development, laboratories or more office-intensive use are on the higher end. The operating hours for this type of use which generally are 7 pm to 7 pm on weekdays however, some uses could require 24/7 operations, with the largest shift of employees being from 7 am to 3 pm. At the lower end of the estimated employee count, the reduction would account for 38 spaces; on the upper end of the estimated employee count, the reduction would account for 63 spaces.

If the reduction is approved by the Planning Commission and once an end user is identified the applicant will be required, per COA No. 38, to conduct a parking analysis utilizing actual employee numbers to ensure that Transportation Demand Management (TDM) measures are sufficient to ensure the project is adequately parked. COA No. 39 ensures that the TDM plan is updated after the end-user is identified. If parking conditions are not satisfied, the applicant will be required to provide additional parking on their project site or apply for a Conditional Use Permit for shared parking with the Pinole Shores I site.

Findings. In order to approve the Conditional Use Permit to allow for wholesale distribution and a parking reduction at the project site, the Planning Commission must find for each of the required Conditional Use Permit findings in the PMC. The Commission must find that the project meets all of the Conditional Use Permit findings under Section 17.12.140 as well as meet three or more of the criteria under Section 17.48.060(B)(1). Each finding is listed below followed by staff comment and conclusion:

1. *The proposed use is consistent with the general plan, any applicable specific plans, and all applicable provisions of this title.*

   Staff Comment: As stated above in this report, General Plan and Specific Plan goals and policies have been identified to satisfy consistency with the project. The project is compatible with the applicable zoning development standards for the project as shown in **Table 1**, and as otherwise permitted for provision of warehouse, research and development, distribution, and wholesale distribution.

   Staff Conclusion: Based on the discussion above, and with the exception of the fractional requirement for employee parking, the proposed project is consistent with the General Plan, Three Corridor Specific Plan, and the City of Pinole Zoning Ordinance, and as otherwise permitted through State Law.

2. *The establishment, maintenance, or operation of the use applied for will not, under the circumstances of the particular case (location, size, design, and operating characteristics), be*

detrimental to the health, safety, peace, morals, comfort, or general welfare of persons residing or working in the neighborhood of such use or to the general welfare of the city.

Staff Comment: As shown on page A6.1 of the project plan dated March 18, 2024 (**Exhibit C**), the new buildings will be located in the rear of the existing Pinole Shores Business Park and approximately 120 feet from the nearest residential neighborhood to the east of the project site. On Page A6.1 shows the orientation of building has been designed such that the main entrances are located away from the existing residential properties to the west.

The Pinole Shores Business Park was established over 15 years ago. The approval of this project will not be detrimental to the health, safety, peace, moral, comfort or general welfare of persons residing or working in the neighborhood of such use of to the general welfare of the City.

The Pinole Shores project is providing 132 parking spaces in the rear of the property for new building. The San Pablo Avenue Corridor general parking standards call for a reduction in parking when one of five conditions exist. Staff has listed three conditions that exist with the Pinole Shores II project.

1) Shared parking arrangements can demonstrate that peak hour parking demand will not coincide to generate demand that is greater than the parking provided.

2) The property is adequately served by and is in close proximity to frequent transit service.

4) A transportation demand management program will reduce parking demand at the site

Staff Conclusion: Based on the orientation of the building and the existing Pinole Shores I project, and by the applying the General Parking Standards in the San Pablo Corridor of the Three Corridor Specific Plan the proposed project will not be detrimental to the health, safety, peace, morals, comfort, or general welfare of persons residing or working in the neighborhood of such use or to the general welfare of the city.

3. *The site of the proposed use is physically suitable for the type, density and intensity of the use and related structures being proposed.*

Staff Comment: The Development Package dated March 18, 2024 (**Exhibit C**), as well as the assessment of the project in this report demonstrates that the project has been designed to consider all of the development features applicable to the project site and surrounding properties. Development would meet the applicable standards for the land use and zoning for the location, and as otherwise permitted though State Law.

The Pinole Shores project is providing 132 parking spaces in the rear of the property. The San Pablo Avenue Corridor general parking standards call for a reduction in parking when one of five conditions exist. Staff has listed three conditions that exist with the Pinole Shores II project.

1) Shared parking arrangements can demonstrate that peak hour parking demand will not coincide to generate demand that is greater than the parking provided.

2) The property is adequately served by and is in close proximity to frequent transit service.

4) A transportation demand management program will reduce parking demand at the site

Staff Conclusion: Based on the discussion in the staff report and the design package dated March 18, 2024, relating to site layout and other design features in relation to the physical characteristics of the site and surrounding properties have been made.

4. *It will not be contrary to the specific intent clauses, development regulations, or performance standards established for the zoning district in which it is located. The proposed use and related structures are compatible with other land uses, transportation, and service facilities in the vicinity.*

Staff Comment: This project is not contrary to specific intent clause, development regulations or performance standards established for the zoning district in which it is located. The proposed uses and related structure are compatible with other land uses, transportation, and service facilities in the vicinity. The structure that is being proposed is more modern in terms of design and functionality to the Center. As stated above, this project meets the development standards in the Three Corridor Specific Plan and the Pinole Municipal Code.

The Pinole Shores project is providing 132 parking spaces in the rear of the property for the building. The San Pablo Avenue Corridor general parking standards call for a reduction in parking when one of five conditions exist. Staff has listed three conditions that exist with the Pinole Shores II project.

1) Shared parking arrangements can demonstrate that peak hour parking demand will not coincide to generate demand that is greater than the parking provided.

2) The property is adequately served by and is in close proximity to frequent transit service.

4) A transportation demand management program will reduce parking demand at the site

Staff Conclusion: Based on the analysis above, Staff concludes this finding has been met**.**

<u>Parking Reduction Findings.</u> Section 17.48.060 establishes that Planning Commission may grant a reduction in required parking through approval of a CUP. In addition to the required Conditional Use Permit findings under Section 17.12.140, in order to grant a reduction in parking the Commission must find that the project meets three or more of the criteria under Section 17.48.060(B)(1). Currently, the Applicant is proposing 132 parking spaces. Based on the parking requirements in the Municipal Code, this project does not meet the standard. The project is required to have 137 parking spaces plus one space for every four employees. At this time there is no end user. Once the Applicant has an end user, they are required to complete a parking ratio study to determine how many additional parking spaces are needed. The Conditional Use Permit if granted will allow the applicant to waive the additional five parking spaces and the fractional requirement of the one space for every four employees.

<u>Section 17.48.060 (Parking Waiver Findings).</u> In addition to the required Conditional Use Permit findings under Section 17.12.140, in order to grant a reduction in required parking, the Planning Commission must

find that the project can be found to meet at least three of the four required criteria in PMC Section 17.48.060(B)(1) presented below. The criteria are in *italics*, followed by staff comments:

a. *The use will be adequately served by the proposed parking due to the nature of the proposed operation; proximity to frequent transit service; transportation characteristics of persons residing, working, or visiting the site; or because the applicant has undertaken a travel demand management program that will reduce parking demand at the site.*

   Staff Comment: Depending on the use of the building (Wholesale/Distribution), the hours of operations (24/7), not all of the employees would be in the building at the same time. Due to all of the employees not being in the building, the personnel will not exceed the 132 parking spaces. Based on the site's proximity to transit and implementation of a travel demand management program, and the 132 proposed parking spaces on site, and transit availability, there is adequate parking proposed. COA No. 38 & 39 require the applicant to complete a travel demand management program that will reduce demand at the site.

   Staff Conclusion: Based on the analysis above, the use will be adequately served by the proposed parking and the criterion has been met.

b. *Parking demand generated by the project will not exceed the capacity of or have a detrimental impact on the supply of on-street parking in the surrounding area.*

   Staff Comment: Based on the applicant's parking analysis, the project will accommodate 132 parking spaces. The Pinole Shores Industrial has a cross access agreement that allows employees to park anywhere within the development. The Pinole Shores I and II projects will have approximately 373 parking spaces with the completion of this project. The supply of on-street parking should not be detrimentally impacted in the surrounding area.

   Staff Conclusion: Based on the analysis above, Staff concludes that this criterion has been met.

c. *The site plan is consistent with the objectives of the zoning district and incorporates features such as unobtrusive off-street parking placed below the ground level of the project with commercial uses above or enclosed parking on the ground floor.*

   Staff Comment: The site plan meets the objectives of the Zoning District and due to the location of the buildings, tucked behind other buildings and not visible from San Pablo Avenue. This project is consistent with the Pinole Shores I project parking lot alignments that are behind and to the side of the buildings. The spirit of this finding is met as the parking surrounding the building is unobtrusive and professionally landscaped.

   Staff Conclusion Based on the analysis above, Staff concludes that this criterion has been met**:**

d. *The applicant has provided on-site parking for car share vehicles via a recorded written agreement between the landowner and the city that runs with the land. Agreement shall provide for proof of a perpetual agreement with a car share agency to provide at least one (1) car share vehicle on-site.*

Staff Comment/Conclusion: This criterion is not needed to be evaluated since the first three have been met.

ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) provides several Categorical Exemptions which are applicable to categories of projects and activities that the Lead Agency has determined do not pose a risk of significant impacts on the environment. The subject project consists of development within the developed urban area of the City of Pinole. The project is exempt under §15332 of the State CEQA Guidelines (Class 32-Infill Development Projects), Sec. 15168 (Consistency with Program EIR) and Sec. 15183 (General Plan/Community Plan Exemption), and under Government Code §65457 (Consistency with Specific Plan). The detail of these exemptions is located in **Exhibit B** of this report.

PUBLIC NOTIFICATION

Pursuant to California Government Code § 65090 to 65094, public notice must be given at least 10 days before the scheduled date of a hearing. The notice is required to state the date, time, and place of hearing, identify the hearing body, and provide a general explanation of the matter to be considered. Notice of this hearing was provided in accordance with PMC §17.10.050 in the following manner:

1- Published in at least one newspaper of general circulation in the city.
2- Mailed to the owners of property within a radius of five hundred feet of the exterior boundaries of the property involved in the application.
3- Mailed to the owner of the subject real property or the owner's authorized agent and to each local agency expected to provide water, sewerage, streets, roads, schools, or other essential facilities or services to the proposed project.
4- Posted at City Hall.
5- Mailed to any person who has filed a written request for notice.

STAFF RECOMMENDATION

Staff recommends that the Planning Commission adopt Resolution 24-02 (Exhibit A) approving the Comprehensive Design Review, Conditional Use Permit, and CEQA Exemption for the Pinole Shores II Project at 836 -848 San Pablo Avenue.

EXHIBIT

A. Draft Resolution 24-02 – with Exhibit A, Conditions of Approval
B. CEQA Determination – CEQA Exemption, with Environmental Studies
C. Plan Set dated March 18, 2024
D. Transportation Demand Management Plan dated December 2022

PLANNING COMMISSION RESOLUTION 24-02
WITH EXHIBIT A: CONDITIONS OF APPROVAL

RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF PINOLE APPROVING COMPREHENSIVE DESIGN REVIEW (DR23-12) AND CONDITIONAL USE PERMIT FOR WHOLESALE DISTRIBUTION AND PARKING REDUCTION (CUP 23-05), TO CONSTRUCT ONE BUILDING TOTALING 119,228 SQUARE FEET LOCATED AT 830-848 SAN PABLO AVENUE (APNS 402-230-015, 016, 017, 018 & 020) AND FINDING THE PROJECT EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

WHEREAS, OneCorp Global in association with Herdman Architecture & Design (Applicant) filed an application with the City of for a Comprehensive Design Review and Conditional Use Permit for the purpose of constructing a concrete tilt-up buildings totaling 119,228 square feet Title 17, of the Pinole Municipal Code (the “Project”; and

WHEREAS, the Project site is located on the north side of San Pablo Avenue on a property identified as APNs 402-230-015, 016, 017, 018 & 020; and

WHEREAS, the site has a General Plan Land Use Designation of Sub Service Area (SSA) and has a Specific Plan Land Use designation and Zoning designation of SSA/San Pablo Avenue Corridor/Office Industrial Mixed Use, (OIMU); and

WHEREAS, the site is adjacent to the Pinole Shores I project, which includes two light industrial buildings, and a building that is used for ancillary commercial uses (a restaurant, a commercial kitchen for small business and catering, and a gym); and

WHEREAS, new non-residential buildings are subject to review and approval of a Comprehensive Design Review application; and

WHEREAS, this project is proposing wholesale distribution as a use for the proposed buildings, which requires a Conditional Use Permit; and

WHEREAS, this project is requesting a reduction of parking commiserate with the additional fractional parking required based on number of employees, which requires a Conditional Use Permit; and

WHEREAS, this project successfully implements policies of the General Plan and Three Corridors Specific Plan; and

WHEREAS, the City of Pinole General Plan and Three Corridors Specific Plan were approved, and the Environmental Impact Report (SCH Number 2009022057) was certified on October 20, 2010, by Resolution Number 2010-88, and are hereby incorporated by reference and copies of which are available at City Hall; and

WHEREAS, in compliance with California Environmental Quality Act (CEQA), the City prepared a CEQA Analysis (which is located in Attachment B of the Staff Report); and

WHEREAS, the CEQA Analysis uses streamlining provisions in accordance with CEQA Guidelines 15168 and 15183 for consistency with the General Plan and Three Corridors Specific Plan and the certified Environmental Impact Report (EIR); and

WHEREAS, the CEQA Analysis identified environmental conditions of approval, which ensure implementation of applicable mitigation measures and policies set forth in the General Plan, Three Corridors Specific Plan and the corresponding EIR, and which have been incorporated into the Conditions of Approval for the Project; and

WHEREAS, the Planning Commission has reviewed the CEQA analysis contained in Attachment B to the Staff Report for this Project dated June 10, 2024; and

WHEREAS, the Planning Commission has considered the Project in light of the items listed in Municipal Code sections 17.12.140 and 17.12.150(H), and

WHEREAS a notice of public hearing was distributed to all property owners and apartment units within 300 feet of the Project site and a notice was published in the May 24, edition of the West County Times; and

WHEREAS the Planning Commission held a duly noticed public hearing on June 10,2024, and considered all public comments received, the presentation by City staff, the staff report and exhibits, and all other pertinent documents regarding the proposed request.

NOW THEREFORE, BE IT RESOLVED, that the above recitals are true and correct and made part of this resolution.

BE IT FURTHER RESOLVED that the Planning Commission approves and finds that the Project is consistent with the programmatic EIR previously certified by the City for the Three Corridors Specific Plan, and therefore the Project is exempt from further environmental review under the California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines Section 15168 and 15183 as further described in the CEQA analysis contained in Attachment B to the staff report dated May 8, 2023.

BE IT FURTHER RESOLVED that the Planning Commission of the City of Pinole hereby approves DR23-12 and CUP 23-05, subject to the Conditions of Approval, applicable to the entire Project, attached as Exhibit A to this Resolution and incorporated herein, and hereby makes the following findings, for the reasons provided in the Planning Commission Staff Report dated June 10, 2024 and incorporated by reference:

Design Review Findings

1. The proposed project is consistent with the objectives of the general plan and complies with applicable zoning regulations, planned development, master plan or specific plan provisions, improvement standards, and other applicable standards and regulations adopted by the city.

2. The proposed project will not create conflicts with vehicular, bicycle, or pedestrian transportation modes of circulation.

3. The site layout (orientation and placement of buildings and parking areas), as well as the

landscaping, lighting, and other development features, are compatible with and complement the existing surrounding environment and ultimate character of the area under the general plan and the Three Corridors Specific Plan: and

4. Qualifying single-family residential, multi-family residential, and residential mixed-use projects shall comply with all relevant standards and guidelines in the city's currently adopted design guidelines for residential development.

Conditional Use Permit Findings

1. The proposed use is consistent with the general plan, any applicable specific plans, and all applicable provisions of this title

2. The establishment, maintenance, or operation of the use applied for will not, under the circumstances of the particular case (location, size, design, and operating characteristics), be detrimental to the health, safety, peace, morals, comfort, or general welfare of persons residing or working in the neighborhood of such use or to the general welfare of the city

3. The site of the proposed use is physically suitable for the type, density and intensity of the use and related structures being proposed.

4. It will not be contrary to the specific intent clauses, development regulations, or performance standards established for the zoning district in which it is located. The proposed use and related structures are compatible with other land uses, transportation, and service facilities in the vicinity.

Reduction of Parking Findings

The Planning Commission also finds that this proposed reduction of 5 parking spaces and the fractional requirement of 1 space per 4 employees parking for the project meets the following three circumstances as stated in Section 17.48.060 (B)(1):

a. The use will be adequately served by the proposed parking due to the nature of the proposed operation; proximity to frequent transit service; transportation characteristics of persons residing, working, or visiting the site; or because the applicant has undertaken a travel demand management program that will reduce parking demand at the site.

b. Parking demand generated by the project will not exceed the capacity of or have a detrimental impact on the supply of on-street parking in the surrounding area.

c. The site plan is consistent with the objectives of the zoning district and incorporates features such as unobtrusive off-street parking placed below the ground level of the project with commercial uses above or enclosed parking on the ground floor.

PASSED AND ADOPTED by the Planning Commission of the City of Pinole on this 10th day of June 2024, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

_____
Rafael Menis, Chair 2024-2025

ATTEST:

_____
David Hanham, Planning Manager

Exhibit A
PLANNING COMMISSION RESOLUTION 24-02 CONDITIONS OF APPROVAL

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
General Conditions				
1.	**CONVENANT –** The owner shall hold harmless the City, its Council Members, its Planning Commission, officers, agents, employees, and representatives from liability for any award, damages, costs, and fees incurred by the City and/or awarded to any plaintiff in an action challenging the validity of this permit or any environmental or other documentation related to approval of this permit. The owner further agrees to provide a defense for the city in any such action.	Ongoing	Community Development Department/ Public Works Department	
2.	**APPROVAL OF CONDITIONS ON CONSTRUCTION PLANS** – These Conditions of Approval shall be included or referenced on the coversheet of the project improvement plan and building construction plans.	Prior to issuance of Building Permit	Community Development Department	
3.	**OCCUPANCY PERMITS –** Occupancy permits shall not be granted until construction is completed and finalized in accordance with the approved plans and conditions of approval required by the City, or a bond has been posted to cover all costs of the unfinished work as agreed to by the Community Development Department.	Prior to Occupancy Permits	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
4.	**GENERAL –** All public improvements shall be made in accordance with the latest adopted Contra Costa County Standard Drawings and Specifications. All work shall conform to the applicable City ordinances. Good housekeeping practices shall be observed at all times during the course of construction. The storing of goods and materials on the sidewalk and/or street will not be allowed unless a special permit is issued. The owner's representative in charge shall be at the job site during all working hours.	During Construction	Public Works Department	
5.	**PERMITS REQUIRED BY OTHER AGENCIES** – The applicant shall obtain all permits that may be required by one or more federal, State, or local agency, service provider, or easement holder including but not limited to the following: State Department of Fish and Wildlife, Caltrans. Army Corps of Engineers, Bay Area Air Quality Management District, Kinder Morgan, EBMUD, and PG&E, County Flood Control and Water Conservation District, County Environmental Health, and the West Contra Costa Unified School District. If project is within jurisdiction of any of these agencies, verification of permit or waiver of permit must be given to the Community Development Department prior to issuance of any City permits. If the City is required to be party to the permit and an application and fee is	Prior to Issuance of Permits	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	required, the applicant shall reimburse the City for its cost. A Notice of Intent must be issued by the Regional Water Quality Control Board before a permit can be issued and a Notice of Termination must be issued at the end of the project by the Regional Water Quality Control Board before a Certificate of Occupancy is issued.			
6.	**EXERCISE OF ENTITLEMENTS** – The applicant has two (2) years to exercise the entitlement. Entitlements shall be considered exercised when a Building Permit is issued for the first building. Requests for extensions shall be in accordance with Section 17.10.100.	Prior to issuance of Building Permit	Community Development Department	
Public Works Conditions				
7.	**PERMITS, BONDS, AND INSURANCE** – The applicant shall obtain an encroachment permit, posting the required bonds and insurance, for all work to be done in the City's right-of-way. This encroachment permit shall be obtained prior to the issuance of a building permit and prior to any work being done in the City's right-of-way.	Prior to issuance of Encroachment Permits	Public Works Department	

Exhibit A
PLANNING COMMISSION RESOLUTION 24-02 CONDITIONS OF APPROVAL

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
8.	**SITE DEVELOPMENT** – The applicant shall submit a site grading and drainage plan with all supporting data, including hydraulic calculations. The grading and drainage plan shall be prepared by a registered Civil Engineer and be approved by the Public Works Department prior to the issuance of any City permits pursuant to PMC §15.36.	Prior to issuance of Permits	Public Works Department	
9.	**REFUSE AREA AND DESIGN –** The project shall provide for service by Republic Services. The area and access to trash, recycling, and green waste containers shall be approved in advance by Republic Services.	Prior to the issuance of Building Permit	Public Works Department	
10.	**EROSION CONTROL PLAN** – The applicant shall submit an erosion control plan in accordance with the City's Grading Ordinance (PMC §15.36.190) when grading is performed during winter season (October 1 through April 15). For all sites over one acre, in accordance with the City's Erosion Control Ordinance (PMC §08.20) the applicant shall submit: a. Storm Water Pollution Prevention Plan (SWPPP) b. Strom Water Control Plan (SCP) Certified by an Architect or Engineer. c. Operation and Maintenance.	Prior to issuance of Permits	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
11.	**PARKING LOTS** – The applicant shall submit plans for parking lots showing proper grading, drainage, and conformance to City engineering standards. The plans shall be prepared by a registered Civil Engineer and be approved by the Public Works Director.	Prior to issuance of Permits	Public Works Department	
12.	**MATERIAL HAULING –** The applicant shall submit a proposed material hauling route and schedule. Said submittal shall be approved by the City Engineer prior to issuance of a building or site development permit. All material hauling activities including but not limited to, adherence to approved route, hours of operation, dust control and street maintenance shall be the responsibility of the applicant (as per Section 15.36.080 of the PMC). Violation of such may be cause for suspension of work.	Prior to issuance of Permits	Public Works Department	
13.	**TREATMENT PLANT CAPACITY CONTRIBUTION –** The applicant shall pay sewer connection fees pursuant to PMC § 13.05.420 or such similar fees imposed by the City of Pinole, if applicable.	Prior to Issuance of Building Permits	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
14.	**SEWER USE FEES –** The applicant shall pay sewer use fees, or such similar fees imposed by the City of Pinole, if applicable.	Prior to issuance of Building Permits	Public Works Department	
15.	**CHARGES FOR PUBLIC WORKS** – The applicant shall deposit funds with the City to pay for all engineering, inspection and survey services that may be required during construction of the project in accord with PMC §13.05.430	Prior to issuance of Permits	Public Works Department	
16.	**INSPECTIONS** – The applicant shall notify the Public Works Department at least forty-eight (48) hours prior to staring any work pertaining to on-site drainage facilities, grading, or paving; all work in the City's right-of-way as per Section 15.36.230 of the Municipal Code.	Prior to Issuance of Permits	Public Works Department	
17.	**UNDERGROUND UTILITIES** – The applicant must agree to install all utility service, including telephone, electric power, and other communications lines underground as per Chapter 13.16 of the Municipal Code.	Prior to issuance of Building Permits	Public Works Department	
18.	**STORM DRAINAGE STUDY** – The applicant shall submit a completed storm drainage study of the proposed project showing amount of run-off, and existing	Prior to issuance of Building Permits	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	and proposed drainage structure capacities. This study shall be subject to review and approval by the City Engineer.			
19.	**DRAINAGE PLANS** - The applicant shall prepare a construction drainage plan and final drainage plan for Public Works Department review and approval. The construction drainage plan will show how drainage will be handled during construction. The final drainage plan will show how drainage will be handled after construction is complete. The final plans shall demonstrate capacity to manage stormwater runoff. Site design shall avoid drainage of water from one property onto another property and shall be subject to approval by the City Engineer.	Prior to issuance of Building Permit	Public Works Department	
20.	**SIDEWALK, CURB AND GUTTER REPAIR** - The applicant shall repair and replace to existing City standards, any sidewalk, curb, and gutter that is damaged now or during construction of this project. A field visit shall be scheduled with Community Development Department and Public Works Department staff prior to the issuance of any construction permits to document pre-construction conditions in the field.	Prior to Occupancy	Public Works Department	

Exhibit A
PLANNING COMMISSION RESOLUTION 24-02 CONDITIONS OF APPROVAL

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
21.	**WHEELCHAIR RAMP(S)** – The applicant shall construct all wheelchair ramp(s) in accordance with applicable California Building Code and ADA requirements.	During Construction	Community Development Department/ Public Works Department	
22.	**GRADING AND DEMOLITION PLANS –** The applicant shall obtain City approval for the project grading and demolition plans prior to issuance of building permits.	Prior to Issuance of Building Permit	Public Works Department	
23.	**CERTIFIED GRADED PAD** – A California-Licensed Engineer shall certify that the graded construction pads have been adequately compacted and designed to support the proposed buildings.	Ongoing through Construction	Public Works Department	
24.	**CONSTRUCTION SITE INFORMATION** – A construction sign shall be installed on at the construction site that has contains contact person's name, mobile phone number, and email address shall be posted on the project site during the duration of construction. The property address shall be clearly marked during the construction process.	Ongoing through Construction	Public Works Department	
25.	**DEBRIS REMOVAL –** All building debris shall be disposed of outside the City of Pinole to a legal dump site.	During Construction	Community Development	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
			Department	
26.	**CONSTRUCTION ACTIVITIES –** The following provisions shall be followed during site excavation, public works, and building construction activities for the project: a. Work is restricted to between 7:00A.M. and 5:00 P.M. on weekdays. Work is restricted on federal holidays. Work is allowed on holidays occurring on weekdays that are recognized by the City of Pinole, but not acknowledged federally which include Cesar Chavez's Birthday and the Day After Thanksgiving, but no inspections will be performed. b. Earth haul and materials delivery to and from the site will be prohibited between the hours of 7:00 - 9:00 A.M. and 3:00 - 6:00 P.M. c. All construction vehicles should be properly maintained and equipped with exhaust mufflers and meet State and Federal standards. d. Newly disturbed soil surfaces shall be watered down regularly by a water truck maintained on site during all day light hours and construction grading activity shall be discontinued in wind conditions greater than 10	During Construction	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	miles per hour. e. Construction activities shall be scheduled so that paving and foundation placement begin immediately upon completion of grading operation. f. All excavated materials shall be covered with a tarp during transit to and from the site.			
27.	**CONSTRUCTION WASTE MANAGEMENT PLAN** – The Applicant shall submit to the Community Development Department a pre-construction waste management plan prior to the issuance of any construction permit to satisfy the CALGreen Building Code requirements.	Prior to Issuance of Permits	Community Development Department	
28.	**CONSTRUCTION WASTE MANAGEMENT REPORT – DEBRIS REMOVAL** – The applicant shall complete post-construction waste management report for review and approval by the Community Development Department prior to final inspection to satisfy CALGreen Building Code Requirements. All building debris shall be properly disposed of outside the City of Pinole.	Prior to Issuance of Permits	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
29.	**PRE-CONSTRUCTION MEETING** – The applicant's construction contractor(s) shall attend a pre-construction meeting as needed with City Staff to coordinate satisfaction of conditions of approval during construction.	Prior to Issuance of Permits	Community Development s Department/ Public Works Department	
30.	**SOILS REPORT –** A soils A soils report containing all design recommendations of footings, retaining walls and any other information pertinent to the soil condition shall be required. The soils report shall be prepared by a licensed soils engineer or geologist.	Prior to Issuance of Permits	Community Development s Department/ Public Works Department	
31.	**STANDARD DRAWINGS FOR PUBLIC IMPROVEMENT** – All public improvements shall be made in accordance with the latest adopted Contra Costa County Standard Drawings and Specifications. All work shall conform to the applicable City Ordinances. Best Construction Management Practices shall be observed at all times during the course or construction.	Prior to Issuance of Permits	Public Works Department	
32.	**CONSTRUCTION MANAGEMENT** – The storing of goods and materials on the sidewalk and/or street will not be allowed unless a special permit is issued. The	Prior to Issuance of Permits	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	project site shall be kept free of litter and all construction equipment and materials will be secured at the end of each construction day. The applicant's representative in charge shall be at the job site during all working hours. The public streets adjacent to construction activity shall be maintained in a clean and orderly condition to the satisfaction of the Public Works Director.			
33.	**PUBLIC WORKS INSPECTIONS**—The applicant shall notify the Public Works Department at least forty-eight (48) hours prior to the starting any work pertaining to on-site drainage facilities, grading, or paving, as well as any work in the City's Right-of-Way as per Section 15.36.230 of the PMC. The applicant shall arrange all inspections with the Public Works Inspector.	During Construction	Public Works Department	
Community Development Conditions				
34.	**UTILITIES** – All electrical, telephone, water, C.A.T.V. and similar utility services which provide service to the subject building shall be installed underground. All transformers, meter boxes, etc., shall be screened from view wherever possible.	Prior to Occupancy Permits	Community Development Department/ Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
35.	**EXTERIOR MATERIAL AND COLORS** – All exterior materials and colors shall reflect those in the plan set dated March 18, 2024, approved by the Planning Commission. Once installed, all improvements are to be maintained in accordance with the approved plans. Any changes which affect the exterior character shall be resubmitted to the Community Development Department for review and approval. The Planning Manager may approve minor changes. Any changes determined by the Community Development Department to be significant may be referred to the Planning Commission after conferring with the Chair of the Planning Commission.	Ongoing	Community Development Department	
36.	**PARKING MANAGEMENT PLAN** – The applicant shall submit a final parking management plan for review and approval by the Planning Manager.	Prior to Issuance of Building Permit	Community Development Department	
37.	**PARKING** – The applicant shall demonstrate that the parking requirements under Chapter 17.48 of the PMC and any other building code required for the proposed development have been fulfilled. Each parking space designated for compact cars shall be identified with a pavement marking reading "Compact Only," or its equivalent. All parking spaces intended to satisfy on-site parking requirements shall be located within the project site boundaries. Additional parking may be	Prior to Issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	used to satisfy on-site parking requirements if project site boundaries change as a result of a recorded parcel map, or a Conditional Use Permit is granted and a shared parking agreement with an abutting property owner is recorded.			
38.	**END USER PARKING ANALYSIS** – After an end-user is identified for the building, the applicant shall conduct a parking analysis utilizing actual employee counts, and subject to review and approval by the Planning Manager, to confirm that Transportation Demand Management measures are sufficient to ensure that parking demand will not exceed on-site parking. If additional Transportation Demand Management measures are required to reduce parking demand, the Transportation Demand Management Plan in COA No. 39 shall be updated and submitted for the review and approval by the Planning Manager. Re-tenanting the buildings shall require an updated parking analysis and may require an updated Transportation Demand Management Plan in order to ensure that that parking demand will not exceed on-site parking. Additional parking may be used to satisfy on-site parking requirements if project site boundaries change as a result of a recorded parcel map, or a Conditional Use Permit is granted and a shared parking agreement with an abutting property owner is recorded.	Prior to Issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
39.	**TRANSPORTATION DEMAND MANAGEMENT PLAN** – The applicant shall be required to submit a final Transportation Demand Management Plan that includes Transportation Management Associations (TMA) for large employers and commercial/industrial complexes for review and approval by the Planning Manager.	Prior to Occupancy Permits	Community Development Department	
40.	**TRANSIT –** The applicant shall coordinate with WestCAT in conjunction with the relocation of sidewalk for the installation of a new bus shelter at the stop closest to the project site. The applicant shall coordinate with the WestCat on shelter design, which will include seating. Please reference PMC 17.44.050. b. 5 for allowance of shelters in the landscaping areas.			
41.	**LIGHTING** – The plan set shall include final lighting fixtures proposed on site. Lighting shall be consistent with the illumination levels and requirements under Pinole Municipal Code Chapter 17.46, or as otherwise required for the Building Division and Police Department for code compliance and safety. Any lighting used shall be so arranged as to reflect the light away from adjoining properties or public streets.	Prior to Issuance of Occupancy Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
42.	**MECHANICAL EQUIPMENT** – All mechanical devices and their component parts, such as air conditioners, evaporative coolers, exhaust fans, or similar equipment located wholly or partially on the roof or wall shall be screened from view. All wall mounted heating units or air conditioners shall be flush-mounted or screened from view.	During Construction	Community Development Department	
43.	**PARKING LOT LIGHTING** – Lights shall be provided in the parking area. Any lighting used shall be so arranged as to reflect the light away from adjoining residential areas or public streets. Lighting shall be installed with the intent to provide only as much light as is necessary for public safety and shall satisfy the requirements of Chapter 17.46 of the PMC.	Prior to Issuance of Occupancy Permit	Community Development Department	
44.	**VENTS, GUTTERS, AND FLASHING, ETC.** – All vents, gutters, downspout, flashings, electrical conduits, etc., shall be painted to match the color of the adjacent surface.	Prior to Occupancy Permits	Community Development Department	
45.	**TRASH ENCLOSURES –** All trash enclosures shall be constructed of sturdy, opaque materials, which are in harmony with the architecture of the nearest building and shall meet applicable Contra Costa County Health Department and	Prior to Occupancy Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	City requirements. Trash enclosures shall be covered.			
46.	**NOISE STANDARDS** - The noise standards established in the General Plan shall be applicable to all developments. These noise standards apply to exterior and are: RESIDENTIAL / COMMERCIAL / INDUSTRIAL 60 dBA (Day) / 65dBA (Day & Eve) / 75 dBA (All) 55 dBA (Eve) / 60 dBA (Night) 50 dBA (Night) Day: 7 a.m. to 7 p.m.; Evening: 7 p.m. to 10 p.m.; Night: 10 p.m. to 7 a.m.	Ongoing	Community Development Department	
47.	**SCHOOL, GROWTH AND PARK IMPACT FEES** – Prior to issuance of a building permit, the applicant shall pay all applicable school, growth (as per Chapter 3.20 of the Municipal Code) and park (as per Chapter 16.28 of the Municipal Code) impact fee.	Prior to Issuance of Building Permit	Community Development Department	
48.	**SUBREGIONAL TRANSPORTATION MITIGATION PROGRAM (STMP) FEE** – Prior to issuance of a building permit for new construction the applicant shall pay the	Prior to Issuance of Building	Community Development	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	applicable STMP fee, pursuant to PMC §16.30.	Permit	Department	
49.	**DEVELOPMENT IMPACT FEE** – The applicant shall pay all applicable development impact fees prior to issuance of the building permit.	Prior to issuance of Building Permit	Community Development Department	
50.	**COST ESTIMATE** – The applicant shall obtain a cost estimate of construction permitting, including plan check and impacts fees, prior to applying for a building permit.	Prior to Submittal of a Building Permit	Community Development Department	
51.	**GEOTECHNICAL REPORT AND FOUNDATION DESIGN** – The project shall implement the recommendations of the Geotechnical Investigation (Soils Management Plan dated 10/3/2022 prepared by Levine-Frick. The project shall avoid the use of driven piles for creation of a deep foundation system. Where there are no alternatives to the use of driven piles, the project may be subject to reconsideration by Planning Commission and revised project documentation to on potential impacts, as deemed necessary by the Community Development Director .	Prior to issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
52.	**GENERAL LANDSCAPING REQUIREMENTS** - The Applicant shall prepare a detailed final landscape plan. The final landscaping plan shall be prepared by a landscape architect, registered in California, and shall be submitted to the Community Development Department for review and approval prior to the issuance of a building permit. The landscape plan shall comply with Chapter 15.54 and Chapter 17.38 of the Municipal Code, be in compliance with Condition No. 57 through 60 **and** shall include the following: a. Sizes, species, locations of all plant materials. b. Location of all trees (6 inches in diameter or greater). c. Irrigation plan indicating all components of the irrigation system including sprinklers and other outlets, valves, backflow prevention devices, controllers, and piping. d. All trees to be a minimum of 15 gallon, double staked and all proposed shrubs on site shall be a minimum of five gallon and use as many native plants and trees as possible.	Prior to issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	e. Native tree species shall be used to the maximum extent as possible in the planting of new trees, with any non-natives proposed supported with a statement by the landscape architect explaining the planting palette.			
53.	**LANDSCAPING MAINTENANCE** – The property owner shall ensure landscaping areas are maintained and that dead trees and vegetation shall be replaced.	Ongoing	Community Development Department	
54.	**WATER EFFICIENT LANDSCAPE** – The project shall demonstrate compliance with water efficient landscape requirements pursuant to Chapter 15.54 of the PMC for review with the building permit plans.	Prior to Issuance of Building Permit	Community Development Department	
55.	**CONSTRUCTION FENCING PLAN –** The applicant shall prepare and submit a final fencing plan for the construction fencing for review and approval by the Community Development Director. All fencing for construction purposes shall be durable and remain in good throughout the life of the construction of the project.	Prior to Issuance of Building Permit	Community Development Department	
56.	**PARKING LOT LANDSCAPE REQUIREMENTS** - All parking areas in excess of 30 stalls shall provide a minimum landscaped area of five feet in width where the facility adjoins a property line. The perimeter-landscaped strip may include any	Prior to Issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	landscaped yard or landscaped area otherwise required and shall be continuous, except for required access to the site of to the parking. Interior landscaping within a parking lot containing 12 of more stalls shall include a minimum of one 15-gallon tree for each four parking spaces as per Section 17.24.050 (c) of the Municipal Code.			
57.	**LANDSCAPING CERTIFICATE OF COMPLETION –** A Certificate of Completion shall be submitted by either the signer of the landscape design plan, the signer of the irrigation design plan, or the licensed landscape contractor certifying that the landscape project has been installed per the approved Landscape Documentation Package.	Prior to Occupancy	Community Development Department	
58.	**TREE REMOVAL –** The applicant shall note the location of all mature trees (4 inches in diameter at breast height (measured 4.5 feet above natural grade) or greater) to be removed from the project site, provide an Arborist Report, and submit a tree removal permit application prior to issuance of a building permit.	Prior to the Issuance of Building Permit	Community Development Department	
59.	**STANDARD TREE REPLACEMENT REQUIREMENTS** – All trees that are removed from the site shall be replaced in accordance with the replacement table for existing trees. Any non-protected tree, which is removed, that was shown to be preserved on the final landscaping plan shall be replaced at twice the rate	Prior to Occupancy Permits	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	indicated on the replacement table. STANDARD REPLACEMENT TABLE FOR EXISTING TREES			

Size of Tree to be removed. (Trunk Diameter)	36 Inch Box	24 Inch Box	15 Gallon	5 Gallon
6” to18”	1	2	10	15
18” to 24”	2	4	15	25
24” to 36”	3	6	20	45
36” & Over	4	8	30	60

Numbers in replacement table refers to quantities to be used to replace each tree. Each tree container size number in the vertical column represents a 100% replacement value for an existing tree removed (size as noted). These numbers (columns) may be mixed as long as proportionate totals will equal 100%. For example: one 24" tree may be replaced with six 24" box trees or three 24" box trees plus ten 15-gallon trees or one 36" box tree plus four 24" box trees, etc.

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
60.	**PROTECTED TREE REPLACEMENT REQUIREMENTS -** All trees designated as Protected trees pursuant to PMC Chapter 17.98, and which are approved for removal through a Tree Removal Permit issued by the City shall be replaced at a ratio of two replacement trees for each removed Protected tree and in compliance with the following: a) For each removed Protected tree, one 48-inch or 60-inch box tree, and one 36-inch box trees shall be planted as replacement trees. b) The species of replacement trees and exact planting location is subject to review and approval by the Community Development Director, in consultation with the Planning Commission Ad-Hoc Subcommittee. c) The species selection shall be drought-tolerant and native, shall complement the architectural design of structures on the site, and shall be suitable for the soil and climatic conditions specific to the site. d) A protected tree removal plan, pursuant to PMC Section 17.96.060.D, shall be submitted indicating which protected trees can be removed and shall be used by the Community Development Director to issue a protected tree removal permit in compliance with the action taken on the entitlements.	Prior to the Issuance of Building Permit (tree removal plan) Prior to Occupancy Permits (installation of landscaping)	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
61.	**CONFORMANCE WITH APPROVED PLANS –** All building permit drawings and subsequent construction shall substantially conform to the approved planning application drawings. Any modifications must be reviewed by the Planning Manager who shall determine whether the modification requires additional approval of the Planning Commission or City Council.	Prior to Issuance of Building Permits	Community Development Department	
62.	**MODIFICATION OF APPROVED PLANS** – Failure to obtain prior approval to modify the approved plans may result in a fine equal to double the original planning application permit fee and/or withholding of the occupancy permit until such time as the modification(s) to the plans has been reviewed by the Planning Commission or City Council.	Ongoing	Community Development Department	
63.	**VIOLATION/PENALTY –** Any person, firm or corporation, whether as principal, agent employee or otherwise, violating any of the provisions in Title 17 of the Municipal Code or any condition of an approval, permit or license granted pursuant to the provisions of this same title shall be deemed guilty of an infraction, punishable on the first offense by a fine not exceeding one hundred dollars, and on the second offense by a fine not exceeding two hundred dollars and on the third offense and subsequent violation by a fine not exceeding five	Ongoing	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	hundred dollars and shall be deemed guilty of a separate offense for each and every day during any portion of which any violation of this title is committed, continued or permitted by such person, firm or corporation.			
64.	**STREET ADDRESS ASSIGNMENT** – An Address Assignment Plan for the project shall be submitted for review and approval and shall be reflected in the submitted building plans.	Prior to issuance of Building Permit	Community Development Department	
65.	**SITE MAINTENANCE** – The construction site shall be cleaned of garbage and debris on a daily basis and maintained in an orderly fashion. All construction equipment shall be secured at the end of each day of construction.	Ongoing through end of construction	Community Development Department	
Building Conditions				
66.	**BUILDING CODES –** At time of issuance of building permits, the building shall comply with Chapter 15 of the Municipal Code and State Title 24 and the U.S. Americans with Disabilities Act.	Prior to issuance of Building Permit	Building Division	
67.	**INSPECTIONS** – The applicant shall arrange all inspections with the Building Division, Fire Department, and Public Works Department. All Building Division	Prior to issuance of Occupancy	Building Division	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	inspection requests shall be made at least 24 hours in advance.	Permits		
68.	**GEOTECHNICAL/SOILS REPORT** - A geotechnical/soils report containing all design recommendations of footings, retaining walls and any other information pertinent to the soil condition shall be required and submitted with the permit application. The soils report shall be prepared by a licensed soils engineer or geologist.	Prior to issuance of Permits	Community Development Department / Public Works Department	
69.	**SOILS REPORT** – A soils report containing all design recommendations of footings, pier holes, retaining walls, and any other information pertinent to the soil condition shall be submitted. The Soils Report shall be prepared by a licensed soils engineer or geologist.	Prior to issuance of Building Permit	Building Division	
70.	**DESIGN-LEVEL GEOTECHNICAL INVESTIGATION** – The applicant shall submit a design-level geotechnical exploration, which includes performance of a soil boring or other exploration in the southeast corner of the property in order to confirm continuous soil stratigraphy and a lack of evidence indicative of nearby faulting.	Prior to issuance of Permits	Community Development Department / Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
71.	**PLAN CHECK FEES –** A plan check fee shall be paid to the Building Division at time of submission of plans pursuant to PMC §15.02.060	Prior to issuance of Building Permit	Building Division	
72.	**CONTRACTORS** – Contractors must identify all subcontractors prior to issuance of a building permit. Each subcontractor must obtain a city business license prior to issuance of a building permit or commencing work pursuant to PMC §5.04.020.	Prior to issuance of Building Permit	Building Division	
73.	**ADDRESSING –** Prior to issuance of a "Certificate of Occupancy" or final building inspection approved numbers and addresses shall be installed on all buildings in compliance with Section 15.02.050 of the Municipal Code: a. Specific mounting location shall be determined at the time of plan review. b. Address shall be internally or externally lighted during the hours of darkness.	Prior to issuance of Certificate of Occupancy	Building Division	
74.	**DEBRIS BOX –** The Applicant shall ensure that prior to commencing construction a contractor shall place on-site a minimum 10 cubic yard "debris box" for	Prior to Construction	Building Division	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	receiving and holding of all construction debris."			
75.	**CONSTRUCTION NUISANCE PREVENTION** – The following provisions shall be followed during all construction activities for the project. a. Prior to any earth hauling operations, the applicant shall submit a Hauling Plan for review and approval by the City Engineer. b. All construction vehicles shall be properly maintained and equipped with exhaust and mufflers that meet state and federal standards. c. Newly disturbed soil surfaces shall be watered down regularly by a water truck maintained on-site during all daylight hours discontinue when winds speed reach 15mph.	Ongoing	Building Division	
Police Department Conditions				
76.	**FIBER OPTICS** – A fiber optics pathway shall be installed from the project site to	Prior to	Police	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	the nearest existing fiber optics connection point to the satisfaction of the Building Official. Specifications for the pathway, fiber, interfacing equipment, and junction boxes are available at the Police Department. The equipment necessary to interface with the fiber optics shall be in place in the alarm control panels (fire, burglar, etc.) upon completion of construction	Certificate of Occupancy Permit	Department	
77.	**DOORS AND ROOF HATCHES** – The following conditions shall be met to the satisfaction of the Building Official prior to issuance of a Certificate of Occupancy. a. All exterior doors (including storage and utility room doors) that exit to the outside, to a common hallway or separate units shall be of solid core wood or metal construction. b. All doors described above shall be equipped with the following locking mechanisms: Dead Bolt Locks: i. A minimum of ¾ inch diameter by 1-inch throw. ii. High security case hardened bezel around the locking mechanism. iii. Made of case-hardened steel.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	iv. High security striker plate (4-screw type, screws a minimum of 1½ inches long). c. All double doors shall have a dead bolt lock, as described in b above, in the primary door. The secondary door shall have lock mechanisms that secure the top of the door to the door head and the bottom of the door to the floor. Where the double doors are separated by a mullion both doors shall have dead bolts as described in b, above. d. All entry doors, except those with glass, shall be equipped with a door viewer that has the capabilities of viewing a minimum of 180 degrees. e. Fire blocks shall be placed at a minimum of two (2) studs' spaces on each side of an exterior door, where locks are required, at the same height as the locks. The design and materials used shall aide in preventing the doorjamb from spreading when a pry tool is used to separate the door from the doorjamb at the lock.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	f. All roof hatches (access to roof) shall be securely locked from the inside. Dead bolt or similar locking mechanism is recommended.			
78.	**WINDOWS AND SLIDING GLASS DOORS** – All windows that are accessible from the ground, balconies, walkways, trees, fences, and roof shall be equipped with an auxiliary locking mechanism in addition to the standard manufacturer's lock.	Prior to Certificate of Occupancy Permit	Police Department	
79.	**ALARM SYSTEM (INDUSTRIAL)** – Each individual building shall be equipped with a burglar alarm system, installed by state licensed contractor. The system shall include: 1. Full perimeter coverage to include all doors requiring locks, windows, skylights, and roof hatches. 2. Interior backup protection such as motion detectors, contracts on key interior doors and glass breakage detection. 3. Battery backup power system with charging system. System shall be hardwired.	Prior to Certificate of Occupancy Permit	Police Department	
80.	**LANDSCAPING** a. All landscaping shall be of a variety and type that upon reaching maturity	Prior to Certificate of	Police Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	will not provide concealment for a human being and will not grow to cover windows, doors, light fixtures, or addresses. b. Bushes/dense vegetation trimmed to 2' or less. c. Trim tree canopies to 6' or higher d. All trees shall be planted a sufficient distance from the buildings so that upon reaching maturity they will not provide roof access.	Occupancy		
81.	**PUBLIC AREA LIGHTING** a. All exterior doorways, stairwells, pathways, walkways, hallways, and courtyards for commercial and industrial buildings shall be lighted to a minimum of 2-foot candles, minimum maintained, measured at 5 feet above ground. b. Parking areas for commercial and industrial buildings shall be lighted to a standard of 2-foot candles, minimum measured at ground level where beams overlap. c. Except as otherwise noted, all security light fixtures shall be mounted a minimum of 10 feet above ground. d. All required lighting shall be equipped with a photoelectric cell or equivalent technology to turn it on at sunset and off at daybreak. e. All areas where video camera surveillance is required shall meet the	Prior to Certificate of Occupancy	Police Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	standards for the camera selected and approved by the Police Department. f. Separate photometric plans shall be submitted for review in conjunction with proposed phased development submittal to ensure adequate lighting is provided for each of the proposed buildings and for the overall project site. g. Lighting shall be on a timer for evening hours. h. Update all lighting to LEDs and following the current foot candle requirement as part of the overall project.			
82.	**RADIO RECEPTION** - Prior to occupancy, the owner shall contact the Police Department to provide Police with the opportunity to test radio reception in the buildings to identify any reception issue.	Prior to Certificate of Occupancy	Police Department	
83.	**EXTERNAL VIDEO SURVEILLANCE** – Video surveillance cameras shall be required, including all outdoor common areas. Management and employees shall be required to know how to operate the system and playback of files shall be compatible with Windows Media Player. Placement of the video surveillance	Prior to Certificate of Occupancy	Police Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	cameras shall be established by the Police Department after review of the plans and intended use of the project. Cameras shall be capable of being monitored from the Police Department upon completion of project.			
Fire Department Conditions of Approval				
84.	**FIRE CODE CONFORMANCE** – Compliance with the 2019 CFC (California Fire Code), 2019 CBC, (California Building Code) the 20149 NFPA 13 Standards, the NFPA 72 standards, and all local ordinances as they apply to the occupancy and use of the proposed structure and shall be enforced for the scope of work and occupancies of the project redevelopment plan. Compliance with all other NFPA standards is required where applicable and to the satisfaction of the Fire Marshall and/or Fire Chief.	Prior to issuance of Building Permit	Fire Department	
85.	**CONSTRUCTION PLANS FOR FIRE PREVENTION** – Prior to issuance of a building permit, building construction plans and plans for fire extinguishing system shall	Prior to issuance of Building	Fire Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	be submitted to Contra Costa County Fire for Fire Code plan check.	Permit		
86.	**TURNING RADIUS –** Fire apparatus turning radius shall be in compliance with the Contra Costa County Standard to accommodate the largest fire truck apparatus.	Prior to issuance of Building Permit	Fire Department	
87.	**FIRE EXTINGUISHING SYSTEM -** An automatic fire extinguishing/ sprinkler system is required to be installed	Prior to issuance of Building Permit	Fire Department	
88.	**FIRE ACCESS** – Prior to issuance of a building permit, paved fire apparatus roads shall be installed for every building or stockpile of combustible materials located more than 150 feet from fire department vehicle access. Said access roads are to be posted "No Parking Fire Lane" and shall not be used for storage of materials. Fire apparatus turning radius shall be in compliance with the Contra Costa County Standard to accommodate the largest fire truck apparatus	Prior to issuance of Building Permit	Fire Department	
89.	**ADDRESS** – Addresses shall be a minimum of 6" on a contrasting background visible from the street pre/post construction. Exterior elevated corners of structures shall have 12" numbers.	Prior to Building Permit Final	Fire Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
90.	**KEY VAULT –** In order to facilitate emergency access to the structure, a key vault shall be installed as approved by the Contra Costa Fire Department.	Prior to Building Permit Final	Fire Department	
91.	**WATER SUPPLY SYSTEM** – Prior to issuance of a building permit there shall be an approved and tested water supply system capable of supplying the required fire flow as determined by the Fire Chief or Fire Marshall. Water supply system for staged construction shall provide required fire flows.	Prior to issuance of Building Permit	Fire Department	
92.	**FIRE PREVENTION FEES AND INSPECTION** – Prior to issuance of a Certificate of Occupancy or final building inspection, the applicant shall pay all applicable fees in accordance with the City's Master Fee Schedule and obtain an inspection from the Fire Department. All meetings and inspections shall require a 48-hour advanced notice.	Prior to issuance of Building Permit	Fire Department	
Environmental Conditions				
93.	**EVN-COA AES-1:**The applicant shall ensure, and the City shall verify that the final lighting plan incorporates applicable requirements set forth in Chapter 17.46 of the Pinole Municipal Code and General Plan Action CC.2.3.4, including that all	Prior to issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	outdoor lighting fixtures be designed, shielded, aimed, located, and maintained to shield adjacent properties and to not provide glare onto adjacent properties or roadways			
94.	**EVN-COA AQ-1:** During construction activities including demolition and ground disturbance activities, on and offsite, the contractor shall implement the latest BAAQMD recommended Best Management Practices (BMPs) to control for fugitive dust and exhaust as follows: 1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. 2. All haul trucks transporting soil, sand, or other loose material shall be covered. 3. All visible mud and dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.	Prior to issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	4. All vehicle speeds on unpaved roads shall be limited to 15 mph. 5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as practicable. Building pads shall be laid as soon as practicable after grading unless seeding or soil binders are used. 6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. 7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper working condition prior to operation.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	8. A publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints shall be posted on the project site prior to the initiation of construction activities. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.			
95.	**ENV-COA AQ-2:** During construction activities, contractors shall use construction equipment that has low diesel particulate matter exhaust to minimize emissions and limit use of diesel-powered equipment. The project shall implement a feasible plan to reduce diesel-powered machinery (DPM) emissions by no less than 70 percent through one or both of the following: 1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for particulate matter (PM_{10} and $PM_{2.5}$), if feasible. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 2 or 3 engines and include particulate matter emissions control	Prior to issuance of Building Permit.	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 70 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination). 2. Develop a Construction Operations Plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 70 percent or greater. Such a plan shall be subject to review by an air quality expert and approved by the City prior to commencement of ground-disturbing activities. Elements of the plan could include a combination of some or all of the following measures: • Use equipment that meets EPA Tier 4 standards or alternatively fueled equipment. • Install of electric power lines during early construction phases to avoid use of diesel generators and compressors.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	• Use electrically powered equipment. • Use forklifts and aerial lifts for exterior and interior building construction that are electric or propane/natural gas powered. • Change construction build-out plans to lengthen phases. • Implement building techniques that result in the use of less diesel-powered equipment.			
96.	**COA BIO-1:** Protected trees and protected groves shall be avoided and protected during construction. During project construction, the following measures shall be implemented: 1. **Tree Protection Zone.** Construction workers and vehicles shall be excluded from entering or disturbing the protected grove to the southeast and the riparian woodland to the east of the project site will be installed and shall include but will not be limited to temporary orange construction fencing, silt fencing, fiber logs, and signage. Individual trees on the site or on the periphery of the site that may be			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	impacted by construction shall be protected by exclusion fencing placed at the dripline. No trenching or excavation may occur within the tree protection zone. Following completion of construction activities all temporary fencing shall be removed. 2. **Tree Removal Permit.** If any protected trees need to be removed or are inadvertently killed in the course of construction or if any trenching, grading, or excavation must occur within a tree protection zone, a Tree Removal Permit will be applied for from the City of Pinole and shall be replaced in accordance with Chapter 17.96 of the Pinole Zoning Code.			
97.	**ENV-COA BIO-2:** To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented: 1. **Avoid Nesting Season.** Grading or removal of potentially occupied habitat should be conducted outside the nesting season, which occurs between February 1 and August 31.	Prior to issuance of Grading Permit	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	2. **Survey for Nests.** If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey of the potentially occupied habitat onsite (trees, shrubs, grassland) and within 200 feet of the project site (i.e., within a zone of influence of the project site) shall be performed by a qualified biologist within 15 days of groundbreaking. The zone of influence includes those areas outside the project site where nesting birds could be disturbed by earth- moving vibrations and/or other construction-related noise. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey. 3. **Establish Buffer Zones.** If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	a. The radius of the required buffer zone can vary depending on the species, (i.e., 50-300 feet for passerines and 200-500 feet for raptors), with the dimensions of any required buffer zones to be determined by a qualified ornithologist or biologist in consultation with CDFW. b. To delineate the buffer zone around the occupied habitat, orange construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude. c. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate adjusted by a qualified biologist as needed to avoid disturbance. d. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	skills to avoid project construction zones, or that the nesting cycle is otherwise completed.			
98.	**ENV-COA CUL-1:** To ensure the project does not result in impacts to buried archaeological resources onsite, if present, the following shall be implemented: 1. **Training**. Prior to commencement of ground-disturbing activities, a Secretary of Interior qualified archaeologist shall conduct a preconstruction Cultural Resource Awareness training for construction personnel. The training shall familiarize individuals with the potential to encounter prehistoric artifacts or historic-era archaeological deposits, the types of archaeological material that could be encountered within the project area, and procedures to follow in the event of a discovery. A representative from the Indian Canyon Mutsun Band of Costanoan shall be invited to participate in the training.	Prior to issuance of Grading Permit	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	2. **Post-review Discoveries**. In the event that cultural resources are exposed during construction, all earth work occurring within 50 feet of the find shall be immediately stopped until a Secretary of Interior-qualified Archaeologist inspects the material(s), assess historical significance, and consults with Tribes and other stakeholders as needed. Recommendations for the treatment of the discovery from the Archaeologist will be provided to the City, Tribes, and other stakeholders. 3. **Archaeological Monitoring**. If cultural resources are exposed during ground-disturbing activities, a Secretary of the Interior-qualified archeologist shall be onsite to monitor ongoing ground-disturbing activities. The monitor shall have the authority to temporarily halt work to inspect areas as needed for potential cultural materials or deposits. Daily monitoring logs shall be completed by the monitor and submitted to the City within 60 days following completion of construction work. The report shall include the results of			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	the monitoring program (even if negative), a summary of any findings or evaluation/data recovery efforts, and supporting documentation (e.g., daily monitoring logs).			
99.	**ENV-COA CUL-2:** In the event that human remains are encountered within the project area during project-related, ground-disturbing activities, all work must stop within 100 feet of the discovery area, the area shall be secured to prevent further disturbance, and the County Coroner shall be immediately notified of the discovery. If the County Coroner determines that remains are, or are believed to be Native American, then the Native American Heritage Commission must be contacted by the Coroner so that a "Most Likely Descendant" (MLD) can be designated to provide further recommendations regarding treatment of the remains. A Secretary of Interior-qualified Archaeologist should also evaluate the historical significance of the discovery, the potential for additional human remains to be present, and to provide further recommendations for treatment of the resource in accordance with the MLD recommendations. Federal regulations require that Native American human remains, funerary objects, and object of cultural patrimony are handed consistent with the requirement of the Native American Graves Protection and	Prior to issuance of Grading Permit	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	Repatriation Act			
100	**ENV-COA GEO-1**: The applicant shall incorporate the recommendations of the Geotechnical Exploration Report prepared by KC Engineering (October 4, 2016) into construction drawings. Prior to issuance of a grading permit, the City shall review and accept the Geotechnical Report and verify that the Report provides adequate information for construction detail including detailed drainage, earthwork, foundation, and pavement recommendations. Final grading plan, construction plans, and building plans shall demonstrate that recommendations set forth in the geotechnical reports and/or to the satisfaction of the City Engineer/Chief Building Official have been incorporated into the design of the project. Nothing in this condition of approval shall preclude the City Engineer and/or Chief Building Official from requiring additional information to determine compliance with applicable standards. The geotechnical engineer shall inspect the construction work and shall certify to the City, prior to issuance of a certificate of occupancy that the improvements have been constructed in accordance with the geotechnical specifications.	During Construction	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
101	**ENV-COA GEO-2:** Prior to issuance of a grading permit, an erosion control plan along with grading and drainage plans shall be submitted to the City Engineer for review. The project shall comply with stormwater management requirements and guidelines established by Contra Costa County under the Contra Costa Clean Water Program Stormwater C.3 Guidebook and incorporate Contra Costa County best management practices for erosion and sediment control for construction. All earthwork, grading, trenching, backfilling, and compaction operations shall be conducted in accordance with the City's Erosion Control requirements, Chapter 15.36.190 of the Municipal Code. Plans shall detail erosion control measures such as site watering, sediment capture, equipment staging and laydown pad, and other erosion control measures to be implemented during all construction activity and include all recommendations made in the Geotechnical Exploration Report to protect slopes from erosion.	Prior to issuance of a grading permit	Community Development Department	
102	**ENV-COA GEO-3:** Should any potentially unique paleontological resources (fossils) be encountered during development activities; work shall be suspended within 50 feet of the discovery and the City of Pinole Planning Division of the Community Development Department shall be immediately notified. At that time, the City will coordinate any necessary investigation of the discovery with	Prior to issuance of Demolition, Grading, and Building Permits	Community Development Department/ Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	a qualified paleontologist. The project proponent shall be required to implement any mitigation necessary for the protection of paleontological resources. The City and the project applicant shall consider the mitigation recommendations of the qualified paleontologist for any unanticipated discoveries. The City and the project applicant shall consult and agree upon implementation of a measure or measures that the City and project applicant deem feasible and appropriate. Such measures may include avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures.			
103	**ENV-COA GHG-1:** The project shall comply with CALGreen Tier 2 EV parking requirements by incorporating the appropriate number of EV and EV capable parking spaces for the project size and type (e.g., for 132 parking stalls, there would need to be 19 stalls equipped with EVSE and 57 pre-plumbed with conduit for future installation of EVSE). As a warehouse project with more than 3 off-street loading spaces, the project shall install 400 KVA of additional raceway conduit and electrical panel capacity to accommodate the future charging of medium- and heavy-duty zero emissions vehicles as required by Section 5.106.5.4.1 of the CALGreen Building Standards Code.	Prior to issuance of Building Permit	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
104	**ENV-COA HAZ-1:** The Soil Management Plan (SMP) approved by the RWQCB in 2002 shall be implemented during the project construction. The SMP shall be the subject of construction worker trainings for all personnel involved in ground-disturbing activities. A condensed version of SMP protocols shall be posted publicly and prominently at construction site gathering places and entry points.	Prior to issuance of Grading Permit	Public Works Department	
105	**ENV-COA HYD-1:** Prior to issuance of a grading permit, the applicant shall prepare a design-level Stormwater Management Plan that incorporates stormwater management requirements and best management practices, per Pinole Municipal Code Chapter 8.20 and Contra Costa County Clean Water Program requirements, including the Contra Costa Clean Water Program Stormwater C.3 Guidebook and demonstrates that the storm drain system has adequate capacity to serve the project. The Stormwater Management Plan shall be reviewed and accepted by the City Engineer.	During Construction	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
106	**ENV-COA HYD-2:** Prior to issuance of a grading permit, the applicant shall file a Notice of Intent with the RWQCB and demonstrate compliance with the Statewide General Permit for Construction Activities. In accordance with the National Pollution Discharge Elimination System (NPDES) regulations, the applicant shall prepare and implement a project-specific Stormwater Pollution Prevention Plan, including an erosion control plan, for grading and construction activities. The SWPPP shall address erosion and sediment control during all phases of construction, storage, and use of fuels, and use and clean-up of fuels and hazardous materials. The SWPPP shall designate locations where fueling, cleaning and maintenance of equipment can occur and shall ensure that protections are in place to preclude materials from entering into storm drains or the offsite drainage to the east. The contractor shall maintain materials onsite during construction for containments and clean-up of any spills. The applicant shall provide approval documentation from the RWQCB to the City verifying compliance with NPDES.	Ongoing	Community Development Department	
107	**ENV-COA NOI-1:** Construction activities including delivery and hauling shall comply with construction hours as provided under Pinole Municipal Code	Prior to issuance of Building Permit	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	Section 15.02.070 and in accordance with construction best management practices for minimizing noise including: 1. Construction shall be limited to the hours of 7:00 a.m. to 5:00 p.m. Monday through Friday, excluding holidays. Saturday work is allowed in commercial zones only, from 9:00 a.m. to 6:00 p.m., as long as it is interior work and does not generate significant noise. Any work outside of these hours by the construction contractors should require a special permit from the City Manager. There should be compelling reasons for permitting construction outside of these designated hours. 2. The construction contractor shall locate stationary noise sources as far from existing sensitive receptors as possible. If stationary sources must be located near existing sensitive receptors, they shall be muffled and enclosed within temporary sheds or other structures. 3. At a minimum, the construction contractor shall implement the following control measures: improved mufflers, equipment redesign, use of intake silencers, ducts, engine			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	enclosures, and acoustically attenuating shields or shrouds. Noise controls can reduce noise levels at 50 feet by 1 to 16 dBA, depending on the type of equipment. 4. Equipment used for project construction shall be hydraulically or electrically powered impact tools (e.g., jack hammers) wherever possible to avoid noise associated with compressed air exhaust from pneumatically powered tools. Where use of pneumatically powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. A muffler could lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dBA. Quieter procedures shall be used (such as drilling rather than impact equipment) wherever feasible. 5. The unnecessary idling of internal combustion engines shall be prohibited. 6. All construction trucks and vehicles shall access the site via San Pablo Avenue.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	7. All staging of construction equipment, trucks, and vehicles shall be limited to the southern and western portions of the project site, as far away from residential development to the east as possible. 8. Prior to the commencement of any construction activities, the construction contractor shall notify, via mail, all residences within a 300-foot radius of the project site of the project's approximate construction schedule, including the approximate duration of demolition, clearing, grading, excavation, paving, and building construction, et al. In addition, at least 24 hours prior to grading activities, the construction contractor shall post signage in appropriate locations within a 300-foot radius of the project site. The signage shall include a phone number to the City Public Works Department for residents to call with noise complaints. If the City Public Works Department receives more than three complaint calls regarding construction noise, the City reserves the discretion to require the project applicant to conduct an acoustical noise analysis to			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	determine more appropriate measures to reduce noise levels due to construction activities.			
108	**ENV-COA NOI-2:** Prior to issuance of building permit, the preliminary sound wall design, and specifications, as presented in Figure 2 of the Noise Report (Appendix G hereto), shall be reviewed by a qualified acoustical engineer and recommendations incorporated into the final design for review and approval by the City. The sound wall shall be continuous from grade to top, with no cracks or gaps, have a minimum surface density of three pounds per square foot (e.g. concrete masonry units (CMU)), 420 feet in length long, and with a minimum height of 10 feet to break the line-of-sight to the noise source, or as otherwise modified through final design per recommendations from an acoustical engineer and approval by the City. Prior to issuance of a certificate of occupancy, construction of the sound wall along the eastern site boundary shall be complete per final design and specification and/or as accepted by the City Engineer.	Ongoing	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
109	**ENV-NOI-3** Exterior activities such as truck maneuvering, loading, and unloading, and deliveries shall be limited to the hours between 7:00 a.m. and 7:00 p.m., Monday through Friday.			
110	**ENV-COA TRAN-1**: Prior to the issuance of Building Permit, the applicant shall provide the project's fair share contribution as established by the City towards multi-modal improvements in the project vicinity as identified in the Three Corridors Specific Plan by installing a bus shelter at bus stop 25028 on San Pablo Avenue.	Prior to Occupancy Permits	Community Development Department	
111	**ENV-COA TRAN-2**: Prior to issuance of the certificate of occupancy, a final Transportation Demand Management Plan shall be provided to the Community Development Department for review and approval. The TDM Plan shall include example materials that will be used to educate tenants and employees about the programs and require that a tenant management position assume the role of Transportation Coordinator and detail the program implementation schedule which shall commence with occupation of the building.	Prior to Occupancy Permits	Community Development Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
112	**ENV-COA TRAN-3**: To maintain adequate sight lines at the project driveways, pursuant to Pinole Municipal Code Section 17.98.020, signage, trees, and other landscaping features within the clear vision triangle at driveway and street intersections shall be maintained such that visibility is maintained between thirty (30) inches and seven (7) feet. The applicant shall be responsible for maintaining adequate sight lines from the project driveways and vegetation shall be trimmed to about one foot in height on the west sides of the driveways.	During Construction	Community Development Department	
113	**ENV-COA TRAN-4:** Recommendations of the project specific Transportation Impact Analysis shall be implemented as follows or as otherwise reviewed and accepted by the City Engineer: 1. Prior to issuance of occupancy, the eastbound left turn pocket on San Pablo Avenue shall be lengthened from 60 to 130 feet, increasing the queue storage for large trucks (e.g., WB-40 and WB-67). 2. Prior to issuance of occupancy, the existing crosswalk across the project driveway shall be relocated closer to the intersection to align with the existing sidewalk along the north	Prior to issuance of building permit	Public Works Department	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	side of San Pablo Avenue, which would provide additional queue storage for vehicles exiting the project site and improve pedestrian circulation along the project frontage. The existing striping shall be adjusted to improve queue storage for vehicles exiting the project site. 3. Prior to issuance of occupancy, a new stop sign with pavement markings shall be installed at the private parking lot intersection immediately north of the intersection with San Pablo Avenue, which would minimize queuing within the project site, maintain access to the drive aisle just north of the project driveway, and minimize the inbound project queues spilling back onto San Pablo Avenue. 4. Prior to issuance of a building permit, the applicant shall submit designs for intersection improvements inclusive of a traffic signal for review and acceptance by the City Engineer. Prior to issuance of occupancy, a traffic signal and intersection redesign shall be installed at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection to the satisfaction of the City Engineer.			

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	1.			
114	**COA TCUL-1:** To protect buried Tribal Cultural Resources that may be encountered during construction activities, the project shall implement environmental COA CUL-1 and COA CUL-2.	Prior to Certificate of Occupancy	Community Development Department	
115	**ENV-COA TCUL-**2**:** To protect buried Tribal Cultural Resources that may be encountered during grading and excavation activities, a tribal cultural monitor from the Confederated Villages of Lisjan shall be invited to be present during excavation that is anticipated to penetrate native soils, particularly in the area of the northeastern connection to the municipal storm drain.	Prior to issuance of Building Permit	Community Development Department	
116	**ENV-COA UTIL-1:** Pursuant to Action GM 2.2.1 Service Standards, prior to issuance of a building permit, the applicant shall secure verification from EBMUD that adequate water supplies are available to serve the project and prior to issuance of occupancy the applicant shall demonstrate that all EBMUD water efficiency requirements have been fulfilled.	Ongoing	Community Development Department	
117	**ENV-COA UTIL-2:** Pursuant to MM 4.12.6.2, the project shall secure a can and will serve letter demonstrating that there is sufficient sewer/water	Ongoing	Community Development	

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
	treatment and conveyance capacity prior to issuance of Certificate of Occupancy. The proposed project shall have a unique connection to the public sewer collection system. The connection to the sewer system will require a permit from the City of Pinole, the payment of sewer user fees, and payment of a sewer connection fee prior to the issuance of building permits.		Department	
118	**ENV-COA UTIL-3:** Pursuant to General Plan Action CS.8.1.3 and in accordance with current CALGreen Building Code requirements, a Construction Waste Management Plan shall be prepared and implemented during all stages of construction. The Construction Waste Management Plan shall meet the minimum requirements of the CALGreen code for residential development including but not limited to regional material sourcing (A5.405.1), Bio-based materials (A5.105.2), Reused materials (A5.405.3), and materials with a recycled content (A5.405.4).	Ongoing	Community Development Department	
119	**ENV-COA UTIL-4:** In accordance with CALGreen Section 4.410.2 onsite recycling shall be provided in readily accessible areas for the depositing, storage and collection of non-hazardous materials including at a minimum paper, cardboard, glass, plastics, organic waste, and metals.	Ongoing	Community Development Department	

Exhibit A
PLANNING COMMISSION RESOLUTION 24-02 CONDITIONS OF APPROVAL

		Timing/ Implementation	Monitoring Department / Division	Verification (date and Signature)
120	**ENV-COA UTIL-5:** The applicant shall coordinate with Republic Services to appropriately size trash enclosures and ensure that maximum waste stream diversion occurs by providing onsite pre-sorting for recyclables and compostable organic materials.	Ongoing	Community Development Department	

*Note: Conditions of Approval beginning with "ENV" are based on the CEQA document for the project.

Exhibit B

ENVIRONMENTAL CHECKLIST

PURSUANT TO CALIFORNIA PUBLIC RESOURCES CODE SECTION 21083.3, GOVERNMENT CODE SECTION 65457(a) AND CEQA GUIDELINES SECTIONS 15168 and 15183

PINOLE SHORES II PROJECT

Prepared For:

City of Pinole
2131 Pear Street
Pinole, CA 94564

JUNE 2024

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PINOLE SHORES II PROJECT CEQA ENVIRONMENTAL CHECKLIST FOR STREAMLINED REVIEW

Project Title:	Pinole Shores II Project	
Lead Agency:	City of Pinole 2131 Pear Street Pinole, CA 94564	
Contact Person:	David Hanham, Planning Manager Phone: (510) 724-9842 Email: dhanham@ci.pinole.ca.us	
Project Location:	830-848 San Pablo Avenue, City of Pinole, Contra Costa County, California, 94564 (APN: 402-230-015, 402-230-016, 402-230-017, 402-230-018, and 402-230-020)	
Property Sponsor and Owner(s):	Property Owner CITY OF PINOLE 2131 Pear Street Pinole, CA 94564	Project Applicant GRP Shores, LLC John Diemer 2350 N University Dr. #848300 Pembroke Pine, FL 33084
General Plan Designation:	Service Sub-Area (SSA)	
Zoning:	Office Industrial Mixed-Use (OIMU), Planned Development (PD)	
Specific Plan Designation:	Service Sub-Area, San Pablo Avenue Corridor of Three Corridors Specific Plan	
Description of project:	The project consists of Conditional Use Permit for a wholesale distribution center, a Parcel Map to combine 5 lots into one, site preparation of the vacant 7.37-acre site, and construction of one tilt up building totaling 121,674 square feet, consisting of 116,778 square feet of warehouse and distribution space and approximately 4,896 square feet of office space. The proposed project includes 18 loading docks, 5 truck parking spaces, 132 parking stalls for passenger vehicles, site pedestrian circulation, as well as landscaping that includes stormwater treatment facilities.	
Surrounding land uses and setting; briefly describe the project's surroundings:	The site is surrounded by a variety of uses including office and industrial to the south and west, residential to the east and northwest, and the BNSF railroad and Bay Trail to the north. A grove of protected trees is located to the southeast of the project site.	
Other public agency approvals:	N/A	
Have California Native American tribes requested consultation pursuant to PRC section 21080.3.1?	The City conducted notification pursuant to the statutory timeframe provided by Public Resources Code §21080.3.1. Notice was delivered to tribes via email on December 20, 2022. The City of Pinole received two requests for consultation from the Indian Canyon Mutsun Band of Costanoan and the Confederated Village of Lisjan and entered into consultation. Consultation was completed on March 17, 2023. The project redesign was noticed to the tribes on May 20, 2024 and the Confederated Villages of Lisjan and the Amah Mutsun Tribal Band of San Juan Bautista & A.M.T.B. Inc. responded. No further requests for consultation were received.	

PINOLE SHORES II PROJECT

TABLE OF CONTENTS **PAGE**

1. INTRODUCTION 7

2. PROJECT LOCATION AND DESCRIPTION 7

2.2. PROJECT DESCRIPTION 8

3. APPLICABLE CEQA PROVISIONS AND FINDINGS 17

3.1. GENERAL PLAN, SPECIFIC PLAN, AND EIR 18
3.2. CONSISTENCY WITH PROGRAM EIR (CEQA GUIDELINES SECTION 15168) 18
3.3. GENERAL PLAN/COMMUNITY PLAN EXEMPTION (CEQA GUIDELINES SECTION 15183) 19
3.4. CEQA DETERMINATION AND SUMMARY OF FINDINGS 23
3.5. ENVIRONMENTAL CONDITIONS OF APPROVAL 23

4. EVALUATION OF ENVIRONMENTAL EFFECTS 24

4.1. AESTHETICS 25
4.2. AGRICULTURAL AND FORESTRY RESOURCES 28
4.3. AIR QUALITY 29
4.4. BIOLOGICAL RESOURCES 36
4.5. CULTURAL RESOURCES 42
4.6. ENERGY 46
4.7. GEOLOGY AND SOILS 48
4.8. GREENHOUSE GAS EMISSIONS 53
4.9. HAZARDS AND HAZARDOUS MATERIALS 56
4.10. HYDROLOGY AND WATER QUALITY 59
4.11. LAND USE AND PLANNING 65
4.12. MINERAL RESOURCES 67
4.13. NOISE 68
4.14. POPULATION AND HOUSING 75
4.15. PUBLIC SERVICES 77
4.16. RECREATION 79
4.17. TRANSPORTATION 81
4.18. TRIBAL CULTURAL RESOURCES 87
4.19. UTILITIES AND SERVICE SYSTEMS 90
4.20. WILDFIRE 94
4.21. MANDATORY FINDINGS OF SIGNIFICANCE 96

5. REFERENCE DOCUMENTS 98

5.1. TECHNICAL APPENDICES 98
5.2. OTHER DOCUMENTS REFERENCED 98

6. ENVIRONMENTAL CONDITIONS OF APPROVAL 100

TABLE OF FIGURES

FIGURE 1: REGIONAL LOCATION 13
FIGURE 2: PROJECT VICINITY 14
FIGURE 3: LAND USE AND ZONING MAP 15
FIGURE 4: SITE PLAN 16

TABLE OF TABLES

TABLE 1. CONSTRUCTION PERIOD EMSSIONS 31
TABLE 2. OPERATIONAL EMISSIONS 31
TABLE 3. BAAQMD OPERATIONAL SIGNIFICANCE THRESHOLDS AND PROJECT COMPLIANCE 32
TABLE 4. MECHANICAL EQUIPMENT NOISE LEVELS AND RECEIVING LAND USE 71

LIST OF ACRONYMS

APN	ASSESSOR PARCEL NUMBER
BAAQMD	BAY AREA AIR QUALITY MANAGEMENT DISTRICT
BMP	BEST MANAGEMENT PRACTICE
CALEEMOD	CALIFORNIA EMISSIONS ESTIMATOR MODEL
CARB	CALIFORNIA AIR RESOURCES BOARD
CBC	CALIFORNIA BUILDING CODE
CCR	CALIFORNIA CODE OF REGULATIONS
CCTA	CONTRA COSTA TRANSPORTATION AUTHORITY
CDFW	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
CEQA	CALIFORNIA ENVIRONMENTAL QUALITY ACT
CNEL	COMMUNITY NOISE EQUIVALENT LEVEL
CNPS	CALIFORNIA NATIVE PLANT SOCIETY
CRHR	CALIFORNIA REGISTER OF HISTORICAL RESOURCES
DBA	A-WEIGHTED DECIBEL
DEIR	DRAFT ENVIRONMENTAL IMPACT REPORT
DTSC	DEPARTMENT OF TOXIC SUBSTANCE CONTROL
EIR	ENVIRONMENTAL IMPACT REPORT
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SERVICE EQUIPMENT
FMMP	FARMLAND MAPPING AND MONITORING PROGRAM
FHSZ	FIRE HAZARD SEVERITY ZONE
GHG	GREENHOUSE GAS
HI	HAZARD INDEX
HRA	HEALTH RISK ASSESSMENT
HMBP	HAZARDOUS MATERIAL BUSINESS PLAN
IS/MND	INITIAL STUDY/MITIGATED NEGATIVE DECLARATION
LID	LOW IMPACT DEVELOPMENT
LOS	LEVEL OF SERVICE
LRA	LOCAL RESPONSIBILITY AREA
MGD	MILLION GALLONS PER DAY
MBTA	MIGRATORY BIRD TREATY ACT
MEI	MAXIMUM EXPOSED INDIVIDUAL
MMRP	MITIGATION MONITORING AND REPORTING PROGRAM
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PPV	PEAK PARTICLE VELOCITY
PRC	PUBLIC RESOURCES CODE
RCPA	REGIONAL CLIMATE PROTECTION AGENCY
ROG	REACTIVE ORGANIC GAS
RWQCB	REGIONAL WATER QUALITY CONTROL BOARD
SCH	STATE CLEARINGHOUSE
SRA	STATE RESPONSIBILITY AREA
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SWRCB	STATE WATER RESOURCES CONTROL BOARD
TAC	TOXIC AIR CONTAMINANTS
USACOE	UNITED STATES ARMY CORPS OF ENGINEERS
UGB	URBAN GROWTH BOUNDARY
UST	UNDERGROUND STORAGE TANK
UWMP	URBAN WATER MANAGEMENT PLAN
µG/M3	MICROGRAMS PER CUBIC METER
VHFHSV	VERY HIGH FIRE HAZARD SEVERITY ZONE
VMT	VEHICLE MILES TRAVELED

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1. INTRODUCTION

This California Environmental Quality Act (CEQA) Analysis evaluates environmental impacts from the proposed Pinole Shores II Project, which would be located to the rear of existing commercial facilities at 830-848 San Pablo Avenue. The Project proposes the construction and operation of one tilt-up building comprising 121,674 square feet of distribution, warehousing, and office space, as well as associated site improvements including parking, loading docks, circulation aisles, and 43,243 square feet of landscaping (hereinafter referred to as the "project").

Documentation herein has been prepared by the City of Pinole as lead agency as defined in Section 15367 of the CEQA Guidelines and in full accordance with the procedural and substantive requirements of CEQA Guidelines. This CEQA Analysis uses streamlining and tiering in accordance with CEQA Guideline Sections 15168, 15182 and 15183 for consistency with the General Plan and Three Corridors Specific Plan and the certified Environmental Impact Report (EIR).

2. PROJECT LOCATION AND DESCRIPTION

This section provides information on the proposed project including a description of the project location and setting and the characteristics of the proposed project including construction and operations.

2.1. PROJECT LOCATION

The project site is located in the City of Pinole, which is in northwestern Contra Costa County along Interstate 80 (I-80), approximately 12 miles south of Vallejo and 17 miles north of Oakland. The City of Pinole is bordered by the City of Hercules to the north and by the cities of Richmond and San Pablo to the south (**Figure 1: Regional Location**).

Project Site Setting

The project site contains 7.37-acre located at 830-848 San Pablo Avenue, approximately 1.2 miles north of Interstate 80 (I-80) and 0.5 miles west of the intersection of San Pablo Avenue and Appian Way and consists of five parcels (Assessor's Parcel Numbers (APN) 402-230-015, -016, -017, -018, and -020). A Parcel Map to combine all five parcels into one was approved by the Planning Commission on May 8 of 2023 by Resolution 23-04. The site elevations range from 71 feet above mean sea level in the eastern portion of the site to 78 feet above mean sea level in the western portion of the site. The site is undeveloped, has been previously graded and disturbed, subject to routine mowing, weed abatement, and fire suppression activities, and contains ruderal vegetation. There is a stand of protected mature trees to the southeast of the project site and riparian woodland associated with a site drainage on the eastern periphery of the site. The proposed project site was previously filled and graded during Phase 1 of the Pinole Shores Business Park construction that occurred from 2006 to 2009.

The site is landlocked by surrounding development and is accessible by two driveways from San Pablo Avenue and a private loop road. The project site is to the rear of the existing Pinole Shores Industrial Park, which is comprised of four buildings, circulation improvements, parking, (APNs 402-390-021; 402-230-021) and a natural gas pipeline easement (APN 402-230-005). Existing ADA accessible sidewalks and crosswalks are located along the San Pablo Avenue frontage.

The site is surrounded by a variety of established uses including Sugar City Building Materials industrial development to the west, Harbour Cove residential subdivision to the northwest, Burlington Northern Santa Fe (BNSF) railroad to the north[1], beyond which is the Bay Trail and San Pablo Bay, a multifamily residential development to the east, and the Pinole Shores Business Park to the south (**Figure 2: Project Vicinity**).

General Plan and Zoning

[1] The BNSF railroad corridor is located along the subject site's northern boundary and supports both freight and passenger rail. The BNSF railroad is used by the Capitol Corridor Amtrak Line with the closest stop located 7.5 miles to the southwest in Richmond.

The project site has a General Plan Land Use Designation of Service Sub-Area (SSA), is zoned Office Industrial Mixed Use (OIMU) and Planned Development (PD) and is part of the Pinole Shores Industrial Park.

The project site is located within San Pablo Avenue Corridor of the Three Corridors Specific Plan. The SSA of the San Pablo Avenue Corridor is intended to serve as the gateway into Pinole, encourage light and green industry, and to be a transition area between the Mixed-Use subarea and the western City limits of Pinole. The SSA is intended to embrace the area's historic industrial character while moving towards newer, cleaner industry and allowing land use flexibility. The purpose of the OIMU designation is to preserve land for manufacturing and industrial uses, particularly "green industry". A limited amount of general office, retail and residential uses may be permitted where such uses would not conflict with the principal industrial uses in the area. The Planned Development designation is a Special Purpose zoning district which recognizes the Pinole Shores Business Park Planned Development zoning designation approved and developed in 2006, prior to adoption of the city's current 2010 comprehensive Zoning Code update (**Figure 3: Land Use and Zoning**).

The San Pablo Avenue Corridor is designated as a Priority Development Area (PDA), which are areas identified by Bay Area communities as locations proximate to transit that are planned for investment, new homes, community amenities, and job growth. PDAs are the foundation for sustainable regional growth as envisioned through Plan Bay Area, the region's Sustainable Community Strategy (SCS). The most recently adopted SCS is the Plan Bay Area 2050 prepared as a joint effort between the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG).[2] Implementation of PDA's enhance mobility and economic growth by linking the location of housing and jobs with transit, thus offering a more efficient land use pattern around transit, reducing greenhouse gas emissions, and realizing a greater return on existing and planned transit investments.

2.2. PROJECT DESCRIPTION

The project proposes a warehousing and/or wholesale distribution center use, which is subject to a conditional use permit. The purpose of the conditional use permit is for the individual review of uses typically having unique or unusual site development features or operating characteristics and are intended to ensure compatibility with surrounding areas and uses. The Project proposes 24-hour internal operations and would limit trucking activity, deliveries, and distribution to daytime hours between 7:00 am to 7:00 pm.

The project applicant received approval for a Parcel Map to consolidate the five existing parcels into one (Assessor's Parcel Numbers (APN) 402-230-015, -016, -017, -018, and -020) through Planning Commission Resolution 23-04 on May 8, 2023. The project would construct one new 47-foot-high tilt-up building containing a total of 121,674 square feet of floor area divided into 116,778 square feet of warehouse/distribution area, 2,448 square feet of office space, and 2,488 square feet of mezzanine above the office space. Tilt-up construction refers to a series of concrete panels which are poured into forms on the ground and then tilted up into place to comprise a building's exterior walls. The warehouse area will be unconditioned, but the office will be serviced by HVAC units mounted on the roof directly above the office area. No other mechanical equipment is planned or proposed for installation on the exterior of the building.

The building will have trailer bays and loading docks with dock-high doors that can accommodate up to 18 WB-67 trucks as well as 5 dedicated truck parking stalls. The truck loading docks will face the shared private driveway off of San Pablo. The ground floor office spaces will have a conference room, two private offices, a kitchen area, and four bathrooms, two of which are accessible from the office and two from the warehouse area. The building contains two staircases, one internal to the office space that connects the ground floor with the mezzanine, and the other within the warehouse space providing a connection from the warehouse floor to the mezzanine level.

As conditioned, the project will construct a 10-foot high sound wall of approximately 420 feet long along the eastern edge of the project driveway to provide noise attenuation from truck activity to nearby residences. The project also includes installation of parking, lighting, landscaping, and other ancillary improvements to accommodate the proposed development (**Figure 4: Site Plan**).

Architecture

[2] Final Plan Bay Area 2050 prepared by ABAG/MTC, adopted October 21, 2021.

The building would be of concrete tilt-up panel construction. The panels will have articulated faces and variable heights and will painted with three different complementary colors to break up the building mass. The two most prominent colors proposed are a white and light gray for most of the exterior with a darker gray color to draw attention to building entrances and as an accent to further break up the mass of the building. Entrances are defined by a decorative open brow awning structure painted metallic white and the main entrance would have a decorative solid canopy also painted metallic white. The overhead doors located at the loading dock will be the same dark gray as the accent color and will be nonreflective. The windows at the office will utilize an aluminum framed storefront system and will be medium performance green reflective colored glazing. A series of panels (non-vision glazing) will be glazed with the same medium green reflective coating to give the impression of windows and will be distributed on all faces of the building. The roof will be punctuated with skylights for passive illumination. There will be one main entrance, located at the southwestern corner of the building, near the office space and multiple access doors around the perimeter and at the loading docks.

Access and Parking

The project site will be improved with a private access road which will extend from the southeast corner of the site around the perimeter of the building to the southwest corner of the site where it will tie into the existing drive aisle at the rear of the existing Pinole Shores Business Park development. The access road also serves as a fire lane and provides width segments ranging from 20 feet at the narrowest point to 30 feet at the widest point. Through access is provided from the existing drive aisles to the east and west of the adjacent Pinole Shores Business Park (PSBP). A bulb out will be provided opposite of the entrance to the loading dock and truck maneuvering area to provide extra space for turning as trucks exit and enter. Access easements will be established to formalize access to the project site through the PSBP.

The project will include 132 total parking spaces with 79 head-in parking spaces along the periphery of the access road with dimensions of 9 feet wide by 19 feet deep and 11 compact spaces with dimensions of 8.5 by 19 feet for passenger vehicles. Six parking spaces will be ADA accessible standard spaces, 11 will be clean air carpool/vanpool spaces, 4 will be equipped with electric vehicle charging equipment (EVSE), two ADA spaces will be equipped with EVSE including one van accessible space, and 19 will be equipped with conduit for future installation of EVSE. There are 18 trailer loading and unloading bays with dock-high roll up doors and parking for 5 30-foot trucks. In compliance with CalGreen, the project will be required to “pre-plumb” for charging of heavy duty electric trucks (e.g. raceway conduit and 400 KVA of additional panel capacity) for future installation of medium and heavy-duty electric vehicle charging equipment in the truck parking and loading docks.

The project will install pedestrian access at the main entrance and at each access point of the building. The project site vicinity is served by the West Contra Costa Transit Authority (WestCAT). The nearest westbound bus stop is located on San Pablo Avenue adjacent to the PSBP frontage, and the nearest eastbound bus stop is located across the street at the intersection of San Pablo Avenue and Meadow Avenue.

Utilities

There are two existing underground stormwater pipes that bisect the project site in the northeastern most portion of the property. These pipes convey stormwater from public roadways in Pinole and the existing Pinole Shores Industrial Park to an outfall at the San Pablo Bay. One pipe is 48 inches, and the other is 24 inches, and they are serviced and maintained via access to facilities on the project site. The project would install a 24-inch stormwater pipeline to convey stormwater from the project to the junction with existing storm drainage infrastructure. Stormwater will be from impervious surfaces and overflow from proposed stormwater BMPs. The project would also install and maintain an access road for ongoing access and maintenance of the stormwater junction on an as need basis.

Landscaping

The project will contain a total of 43,243 square feet of landscaping, concentrated at the periphery of the building and along the periphery of the access drive aisle including stormwater bioretention areas and bulb outs in the parking area. Landscaping includes trees, shrubs, perennials, groundcover, and native grasses and will provide shade in the parking areas, screen and soften the development from surrounding views, and filter stormwater runoff. Shade trees and landscaping proposed adjacent to the parking areas would provide shade coverage to

51% of the parking stalls. Stormwater runoff from impervious surfaces introduced by the project will be treated by bioretention basins distributed throughout the project site.

Construction

For purposes of this analysis, it is assumed that construction activities will occur over an approximately 1.5-year construction period, from Fall 2024 to Summer to 2026. Construction activities include site preparation and grading, trenching for utilities, construction of vertical elements, paving, internal finishing, architectural coating, and landscaping and lighting. Site preparation would initiate with grubbing to remove ruderal vegetation and grading to level and compact the site. Grading and import of fill soils occurred during the 2006 development of Phase 1 of the Pinole Shores Business Park. No further import or export of fill is expected to be required to achieve site elevations and support structural grades. Grading of the site will be followed by trenching and installation of utilities. Foundation work will be conducted followed by the construction of the tilt up building. Finally, landscaping, lighting, infrastructure, and finishing details will be installed.

Construction equipment expected to be utilized includes tractors, backhoes, haul trucks, graders, pavers, and water trucks. All construction material and equipment would be staged on-site or, through issuance of an encroachment permit, on abutting rights-of-way. Temporary lane closures on San Pablo Avenue are expected to occur during frontage improvements and utility work.

Construction access routes would be from San Pablo Avenue. A construction trailer, construction worker parking, and the construction yard would be located onsite. Construction activities, start times, end times and deliveries would be within the City's designated construction hours per municipal code section 15.36.250, between the hours of 7 am to 6 pm Monday through Friday and 8 am to 5 pm on Saturday.

Operation

The project proposes to operate as a warehouse and wholesale distribution facility with ancillary office use. It is anticipated that between 60 and 100 employees would be employed at operation. Hours of operation for exterior activities and truck deliveries and distribution would generally extend from 7:00 am to 7:00 pm Monday through Friday, with some interior uses requiring 24/7 activities. The largest shift of employees onsite is expected to be between the hours of 7:00 am and 3:00 pm.

Offsite Improvements

The project will include offsite improvements along the frontage of San Pablo Avenue including the construction of a bus shelter at the existing westbound bus stop at the front of the Pinole Shores Business Park, restriping and signage to prohibit left-turns into the project driveway, lengthening the eastbound left turn pocket, realignment of the existing crosswalk and striping at the project driveway, installation of a new stop sign and street markings at the private lot intersection north of San Pablo Avenue, and installation of a traffic signal and crosswalks at the project driveway entrance at the intersection of Meadow Avenue and San Pablo Avenue.

Public Outreach

No public outreach has been conducted in the surrounding community for this project.

Entitlements

The project applicant has applied to the City of Pinole for the following entitlements:

- Comprehensive Design Review
- Conditional Use Permit

Other Public Agency Review

The project requires the following approvals from regional agencies:

Pinole Sanitary District for permits to connect to the sanitary sewer.

California Native American Tribal Consultation

In accordance with AB 52 (PRC Section 21084.2), lead agencies are required to initiate consultation with a tribe with traditional and/or cultural affiliations in the geographic area where a subject project is located if a project may cause a substantial adverse change in the significance of a tribal cultural resource. Should the tribe respond requesting formal consultation, the lead agency must work with the tribe or representative thereof to identify potential impacts and develop avoidance or mitigation measures to reduce potential impacts to tribal cultural resources. In accordance with AB 52, notification of the proposed project was mailed to the following tribes on December 20, 2023, and subsequent notice of design change was issued on May 20, 2024.

- The Ohlone Indian Tribe
- Amah Mutsun Tribal Band of Mission San Juan Bautista
- The Confederated Villages of Lisjan
- Guidiville Indian Rancheria
- Indian Canyon Mutsun Band of Costanoan
- Muwekma Ohlone Indian Tribe of the SF Bay Area

Two responses were received from Tribal organization or entities requesting to enter into consultation under AB 52 from the Confederated Villages of Lisjan and the Indian Canyon Mustsun Band of Costanoan. Additionally, consultation about the project was conducted by Evans & DeShazo (EDS) with a representative from the Indian Canyon Mutsun Band of Costanoan. Recommendations for inclusion of tribal monitors during ground-disturbing activities received through that process are imposed as environmental conditions of approval (See Cultural and Tribal Cultural Resources Sections below). Tribal consultation was completed in March 2023.

With redesign of the project, the City contacted the Tribes and the Confederated Villages of Lisjan asked to be contacted if any cultural resources or burial sites are found during construction and the Amah Mutsun Tribal Band of Mission San Juan Bautista shared information regarding services including training and monitoring. No other responses were received.

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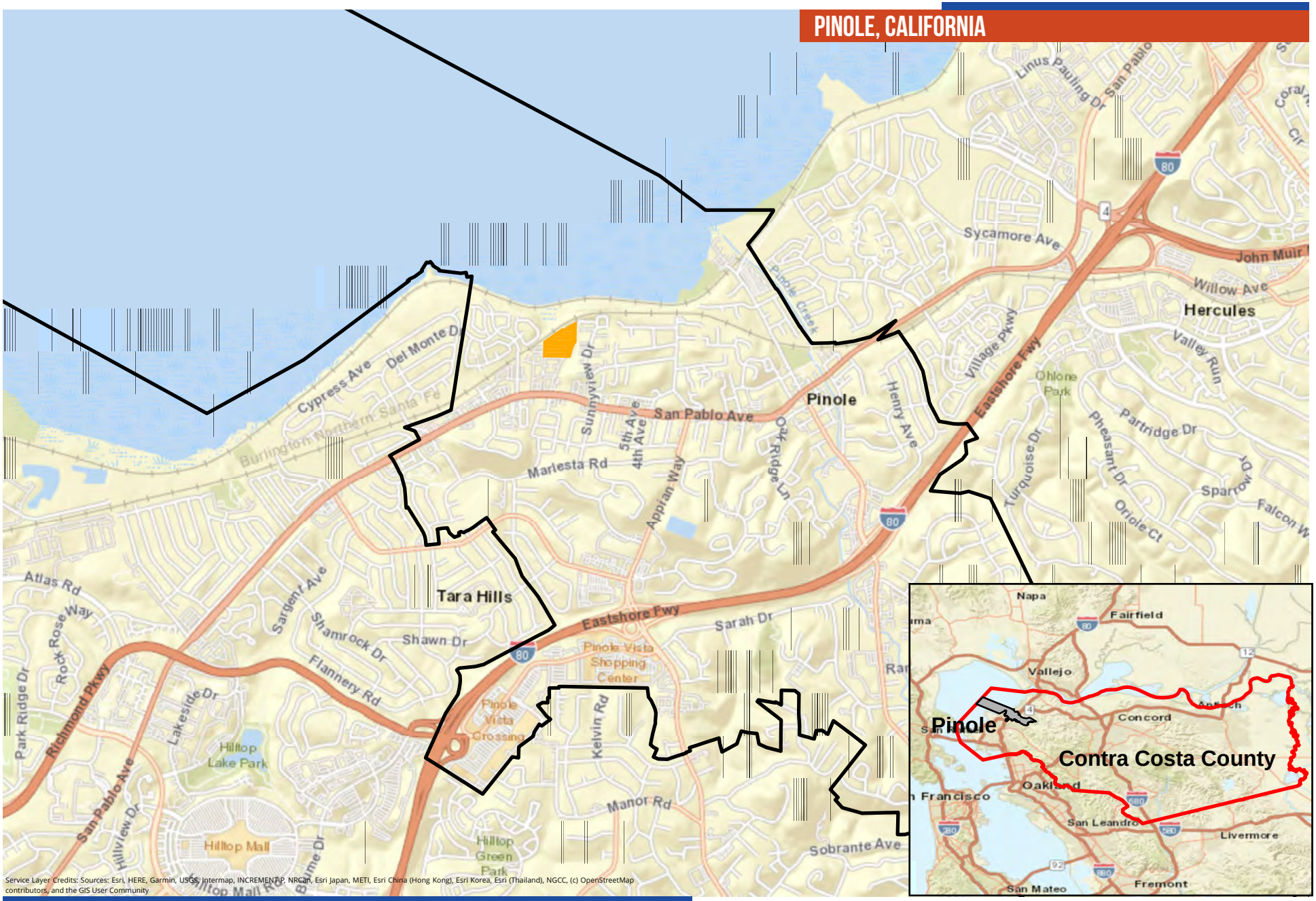
PINOLE, CALIFORNIA



PINOLE SHORES COMMERCIAL WAREHOUSES: REGIONAL LOCATION

0 0.4 0.8 1.6 Miles

Pinole Shores (Project Site)
City Boundary
Contra Costa County

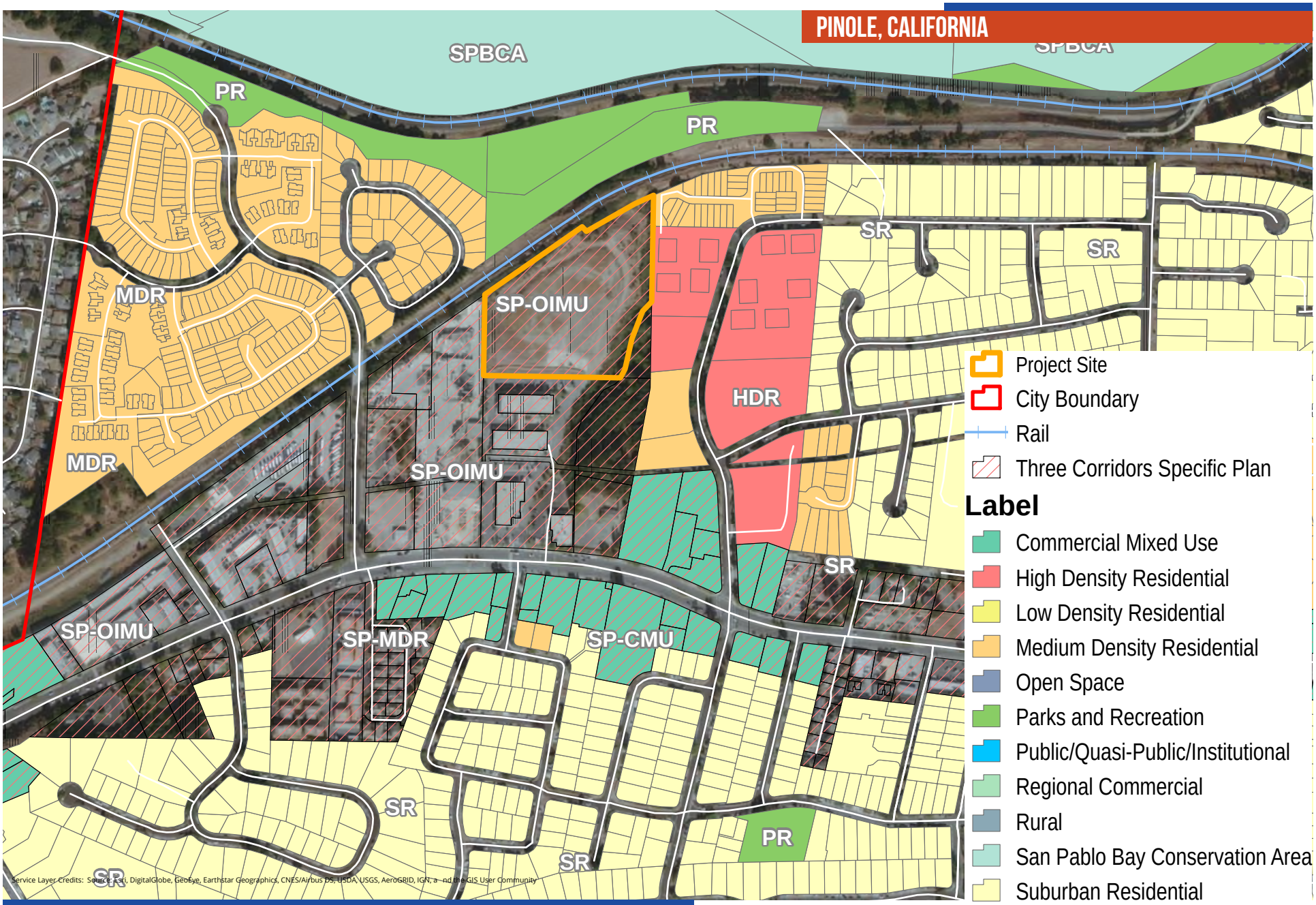
Data source: Contra Costa County

PINOLE SHORES COMMERCIAL WAREHOUSES: PROJECT VICINITY

Pinole Shores (Project Site)
City Boundary
Rail
Bay Trail

0 0.05 0.1 0.2 Miles

Data source: Contra Costa County



PINOLE SHORES COMMERCIAL WAREHOUSES: ZONING AND GP LAND USE

0 0.075 0.15 0.3 Miles

Data source: Contra Costa County

FIGURE 4: SITE PLAN

Data source: HDO Architecture & KSR Civil Engineering, Google Earth Pro

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3. APPLICABLE CEQA PROVISIONS AND FINDINGS

The following discussion presents the relevant provisions of CEQA to which the proposed Pinole Shores II Project complies. It provides a determination of consistency with the City's program level EIR for the General Plan and Specific Plan, and the 2010 FEIR. A description of how the Pinole Shores II Project complies with each provision is presented below. Finally, this section concludes with the CEQA finding and determination that the project is exempt from further environmental review.

3.1. GENERAL PLAN, SPECIFIC PLAN, AND EIR

The City of Pinole General Plan serves as the document that guides future development citywide, expresses the community's development goals, and public policies relative to land uses. The update of the General Plan was adopted in 2010. The Three Corridors Specific Plan was developed concurrently with the General Plan update to guide development in defined sub-areas of the General Plan to focus development on unique characteristics of these areas. The purpose of the Specific Plan is to focus revitalization along the three corridors: San Pablo Avenue, Pinole Valley Road, and Appian Way.

The General Plan EIR (2010 FEIR) assesses potentially significant environmental impacts associated with implementation of the General Plan and the Three Corridors Specific Plan. The 2010 FEIR provides the public, responsible agencies, and decision makers with information about the probable environmental effects of adoption and implementation of the General Plan Update, Three Corridors Specific Plan, and associated Zoning Code Updates. The 2010 FEIR serves as a programmatic document that is intended to be used to evaluate subsequent projects and activities within the planning area. The findings of the 2010 FEIR are presented below in Section 4 for each environmental category.

3.2. CONSISTENCY WITH PROGRAM EIR (CEQA GUIDELINES SECTION 15168)

The City of Pinole certified a program level EIR, the 2010 FEIR, which includes an analysis of the development potential anticipated by land use designation, policies and programs contained in the General Plan and the Three Corridors Specific Plan. The 2010 FEIR provides for streamlining and/or tiering opportunities under CEQA Guidelines Section 15168. CEQA Guidelines 15168(c) states that "later activities in the program must be examined in the light of the program EIR to determine whether an additional environmental document must be prepared."

APPLICABILITY OF THE PROJECT TO 15168

The proposed Pinole Shores II Project is a "later activity" of the program EIR. Section 4 of this CEQA Analysis provides an assessment of the project's environmental impacts relative to what was analyzed in the 2010 FEIR. As described in Section 4, the project does not result in environmental effects that were not previously examined. As such, pursuant to CEQA Guidelines Section 15162 and 15163, no subsequent or supplemental EIR is required. In accordance with CEQA Guidelines Section 15168(c)(2), the City can "approve the activity as being within the scope of the project covered by the program EIR, and no new environmental document would be required."

CEQA Guidelines 15168(c)(3) provide that "an agency shall incorporate all feasible mitigation measures and alternatives developed in the program EIR into later activities in the program." Section 6 of this CEQA analysis identifies the relevant environmental conditions of approval that will be required of the proposed Project to demonstrate compliance with mitigation measures set forth in the program level EIR, and policies, programs and goals of the Three Corridors Specific Plan and General Plan.

As described below in Section 4, for each environmental resource topic in the Environmental Checklist, with implementation of mitigation measures, the proposed project would not result in significant impacts beyond those analyzed in the program level EIR. In addition, the project is subject to the payment of Development Impact Fees, which are collected to offset the incremental increase in demands for public services and infrastructure from implementation of the General Plan and Specific Plan.

3.3. GENERAL PLAN/COMMUNITY PLAN EXEMPTION (CEQA GUIDELINES SECTION 15183)

California Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183 allows a streamlined environmental review process for projects that are consistent with the existing zoning, community plan, or general plan policies for which an EIR was certified.

Section 15183 (a) "mandates that projects which are consistent with the development density established by existing zoning, community plan, or general plan policies for which an EIR was certified shall not require additional environmental review, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the project or its site. This streamlines the review of such projects and reduces the need to prepare repetitive environmental studies."

Section 15183(b) specifies that "in approving a project meeting the requirements of Section 15183, a public agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:

1) Are peculiar to the project or the parcel on which the project would be located;
2) Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent;
3) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan or zoning action; or
4) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR."

Section 15183(c) specifies that if an impact is not peculiar to the parcel or to the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards, then an additional EIR need not be prepared for the project solely on the basis of that impact.

Section 15183(d) further states that the streamlining provisions of this section "shall apply only to projects that meet the following conditions:

(1) the project is consistent with a community plan adopted as part of a general plan, a zoning action which zoned or designated the parcel on which the project would be located to accommodate a particular density of development, or a general plan of a local agency; and

(2) an EIR was certified by the lead agency for the zoning action, the community plan, or the general plan."

APPLICABILITY OF THE PROJECT TO 15183

The proposed Pinole Shores II Project is consistent with the General Plan land use designation and zoning for the site, as outlined below, and meets the streamlining provisions under CEQA Guidelines Section 15183(d)(1):

(d)(1)(A) The project is consistent with a community plan adopted as part of a general plan.

The City of Pinole General Plan and Three Corridors Specific Plan were approved and the EIR (SCH Number 2009022057) was certified on October 20, 2010, by Resolution Number 2010-88. The project is located on a site with the Office Industrial Mixed Use (OIMU) designation within the Service Subarea (SSA) in the San Pablo Avenue Corridor. The SSA is intended to serve as the gateway into Pinole where light and green industry is encouraged. This SSA serves as a transition between the Mixed-Use Subarea and the western City limits of Pinole. It is intended to embrace the area's historic character as an industrial area while moving towards newer cleaner industry and allowing land use flexibility.

The purpose of the Office Industrial Mixed-Use District is to allow a wide range of office and light industrial development. This designation is intended for office and light industrial uses with supporting retail and service

uses. Offices may be developed in an office park setting, but most office and light industrial development stands alone. Commercial and other support services may be integrated vertically and/or horizontally in this district, but the predominant use of integrated developments is office and/or light industrial. Retail must be ancillary to the principal industrial activity of the property and cannot exceed 10 percent of total usable floor area. Public and quasi-public uses (community centers, public library, city hall, parks and other community serving uses etc.) are permitted.

The project consists of the construction of one tilt-up building on an independent parcel adjacent to an existing office and light industrial park. The ultimate tenant of the proposed building is not confirmed but is subject to the OIMU land use and provisions of the Conditional Use Permit for operations as a light industrial and wholesale distribution center.

The proposed Pinole Shores II Project is consistent with the following Three Corridors Specific Plan land use policies related to the San Pablo Avenue Corridor:

- Land Use Policy 6. Actively promote the “revitalization” of underutilized land.
- Land Use Policy 8. Encourage the development of mixed-use office buildings in proximity to existing transit stops.
- Land Use Policy 9. Promote a variety of smaller retail and office space opportunities for small business.

(d)(1)(B) The project is consistent with a zoning action which zoned or designated the parcel on which the project would be located to accommodate a particular density of development.

The project is subject to and consistent with the applicable development standards and zoning requirements within the Three Corridors Specific Plan and the Pinole Zoning Code (Title 17 of the Pinole Municipal Code). Where there is a conflict between the Specific Plan and the zoning code, the Specific Plan takes precedence.

The Pinole Shores II Project is located on a site designated as Office Industrial Mixed Use (OIMU) and the Specific Plan uses the existing development as a model of OIMU development consisting of 30 percent site utilization, 80 percent industrial, 10 percent office, and 10 percent retail. The proposed development will contain 121,674 square feet of building for 38 percent site utilization, 96 percent warehouse or light industrial space, 4 percent office space, and no retail or residential uses are proposed.

The General Plan and Specific Plan have assumed a total maximum development potential of 512,466 square feet of office space and zero (0) square feet of industrial space within the Specific Plan area. Of the existing 336,253 square feet of existing office space stock, 307,233 square feet of additional office space is projected for development within the San Pablo Avenue Corridor. The San Pablo Avenue Corridor contains 426,692 square feet of industrial square footage, or 90 percent of Pinole’s total stock of industrial space. The Specific Plan determined that Pinole’s stock of industrial space is sufficient to current and projected demand and projects a decrease of 3,705 square feet.

(d)(1)(C) The project is consistent with the City of Pinole General Plan.

The project site is designated Service Sub-Area (SSA) on the City's General Plan Land Use map. The SSA is intended to maintain and enhance existing land uses while providing land use flexibility and incentives to encourage new private investment and development. Each service sub-area has a different emphasis and, while described in greater detail in the Specific Plan, the San Pablo Avenue emphasis is to preserve land for manufacturing and industrial uses, particularly "green industry". A limited amount of general office, retail and residential uses may be permitted where they will not conflict with the principal industrial uses in the area.

The Pinole Shores II Project proposes one light industrial building with 116,778 square feet of warehouse area with 4,896 square feet of ancillary office space. The building will be served by new parking spaces for passenger vehicles, parking for trucks, and a loading dock with 18 spaces to accommodate full size trucks. The proposed project is consistent with the following General Plan policies:

- Policy LU.1.1. Increase land use diversity along the San Pablo Avenue, Pinole Valley Road and Appian Way corridors; reduce residential density on large land holdings designated for Rural land use; and maintain other land use designations for a variety of residential, commercial, light industrial, recreational, open space and public purposes which (1) protect environmental resources; (2) provide a mix of housing types, densities and tenure; (3) ensure that a variety of commercial and industrial goods, services and employment opportunities are available; and (4) offer a range of recreational and public facilities to meet the needs of residents.

- Policy LU.1.2. Require all proposed projects to be consistent with the General Plan and other applicable development standards established by the Specific Plan(s) or the City's Zoning Code.

- Policy LU.3.3. Require design review of commercial and industrial projects to ensure compatibility with adjacent or nearby land uses, including intensity, access, internal circulation, visual characteristics, noise, odors, fire hazards, vibrations, smoke, discharge of wastes and nighttime lighting.

- Policy LU.4.3. Cluster development at higher densities to protect natural resources and address site development constraint issues, including archaeological sites, access, traffic, emergency services, water and sewer availability, creek and tree protection, steep slopes, potential geologic hazards, grading impacts, view protection and protection of open space resources.

- Policy LU.7.1. Provide sufficient land for commercial and industrial uses to allow for development that provides basic goods and services to Pinole residents.

- Policy LU.7.2. Provide for economic development which (1) maintains the City's ability to finance services and the construction and maintenance of public improvements; (2) offers local employment opportunities for Pinole residents to reduce inter-city commuting; and (3) assures the availability and diversity of resident-serving goods and services.

- Policy LU.7.3. Continue to strive for a balance between the number of jobs in the Pinole Planning Area and the number of housing units available for workers by encouraging and supporting policies and programs, mixed-use projects which provide both housing and employment opportunities, and the development of affordable housing.

- Policy LU.8.2. Utilize the Three Corridors Specific Plan to continue to revitalize the Pinole Valley Road south of Interstate 80, encourage additional medical office use north of Interstate 80, and enhance Pinole Creek as a natural amenity that supports wildlife and provides a trail system connecting Pinole Valley High School and commercial uses adjacent to Interstate 80 with the Old Town area and with San Pablo Bay and the Bay Trail. Continue to encourage the mixed-use nature of Pinole Valley Road while protecting the architectural integrity of existing historic buildings and connecting more recent development to the historic Old Town area. The strategies below shall be used to support this action:

    a) Further define and enhance existing regional and neighborhood gateway locations consistent with the Three Corridors Specific Plan;

b) Ensure that the scale and massing of new development is compatible with Pinole's small-town character along this corridor;

c) New development shall provide enhanced pedestrian and bicycle mobility features that improve both connections within the corridor and connections to surrounding residential, commercial, recreational, and institutional uses.

- Policy CE.1.1. Encourage strategic growth that concentrates future development along Pinole's three primary transit corridors (San Pablo Avenue, Appian Way and Pinole Valley Road).

- Policy CE.5.1. Provide off-street parking to employees; however preferential parking at several locations in the city shall be made available to vanpools, carpools, alternative fuel vehicles and other transit users, where feasible and appropriate.

- Policy CE.6.2. Implement transportation demand management strategies in conjunction with land uses in order to prevent future traffic congestion in the city.

3.4. CEQA DETERMINATION AND SUMMARY OF FINDINGS

As summarized above and presented herein, the proposed Pinole Shores II Project is eligible for the following CEQA exemptions:

Consistency with Program EIR. The City of Pinole 2010 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2010 FEIR). No further environmental review is required.

Community Plan Exemption. Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2010 FEIR. The project is exempt from further CEQA review, since it is consistent with the General Plan.

Findings Summary. As described herein, the proposed project is within the scope of development projected under the General Plan and Three Corridors Specific Plan, for which an EIR was certified in 2010. The proposed Pinole Shores II Project will implement applicable mitigation measures identified in the 2010 FEIR. In addition, the project would be required to comply with applicable conditions of approval and subject to uniformly applied development standards. With implementation of required mitigation measures imposed as environmental conditions of approval, the project would not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIRs, nor would the project introduce any new significant impacts that were not previously identified. Therefore, there would be no additional environmental impacts beyond those analyzed in the 2010 FEIR.

Each of the above findings provides for a separate and independent basis for CEQA compliance. We do hereby certify that the above determination has been made pursuant to State and Local requirements.

_____ _____

Signature: City of Pinole **Date**

3.5. ENVIRONMENTAL CONDITIONS OF APPROVAL

The project shall incorporate all feasible mitigation measures set forth in findings of fact for prior applicable Environmental Impact Reports (EIR). The following EIRs have been determined by the City to be applicable to the project:

- City of Pinole General Plan EIR (SCH Number 2009022057)

In each impact section of the Evaluation of Environmental Impacts, applicable mitigation measures from the findings of fact for the certified EIR are identified. Section 6 of this CEQA Analysis identifies relevant environmental conditions of approval for the project derived from mitigation measures, policies and implementing programs established in the City's General Plan and Three Corridors Specific Plan and the certified 2010 FEIR.

The Pinole Shores II Project applicant has reviewed all conditions of approval and as signed below is committed to implementing all environmental conditions of approval as part of the project.

_____ _____

Signature: Project Applicant **Date**

4. EVALUATION OF ENVIRONMENTAL EFFECTS

This section examines the Project's potential environmental effects within the parameters outlined in CEQA Guidelines Section 15183(b). The "Prior EIRs" (as defined in CEQA Guidelines Section 15183(b)(3)) is the City of Pinole General Plan EIR (2010 FEIR), inclusive of all impact determinations, significance thresholds and mitigation measures identified therein.

Th evaluation builds from the Appendix G Environmental Checklist and has been modified to reflect the parameters outlined in CEQA Guidelines Section 15183(b). The checkboxes in the evaluation below indicate whether the proposed project would result in environmental impacts, as follows:

- **New Significant Impact –** The proposed Project would result in a new significant impact that was not previously identified in the 2010 FEIR.
- **More Severity Impact –** The proposed project's specific impact would be substantially greater than the specific impact described in the 2010 FEIR.
- **No Substantial Change –** The proposed project would not involve a substantial change from analysis conducted in the 2010 FEIR.
- **No Change –** The severity of the specific impact of the proposed project would be the same as or less than the severity of the specific impact described in the 2010 FEIR.

Where the severity of the impacts of the proposed project would be the same as or less than the severity of the impacts described in the 2010 FEIR, the checkbox for Equal or Less Severity of Impact Previously Identified in FEIR is checked. Where the checkbox for Substantial Increase in Severity of Previously Identified Significant Impact in FEIR or New Significant Impact is checked, there are significant impacts that are:

- Peculiar to project or project site (CEQA Guidelines Section 15183[b][3]);
- Not analyzed as significant impacts in the previous EIRs, including off-site and cumulative impacts (CEQA Guidelines Section 15183[b][2]);
- Due to substantial changes in the project (CEQA Guidelines Section 15162[a][1]);
- Due to substantial changes in circumstances under which the project will be undertaken (CEQA Guidelines Section 15162[a][2]); or
- Due to substantial new information not known at the time the EIRs were certified (CEQA Guidelines Sections 15162[a][3] and 15183[b][4]).

As described herein, the proposed Project will be required to comply with all applicable mitigation measures identified in the 2010 FEIR.

This evaluation hereby incorporates by reference the 2010 FEIR discussion and analysis of all environmental topics. The 2010 FEIR significance thresholds have been consolidated and abbreviated in this Checklist; a complete list of the significance thresholds can be found in the 2010 FEIR.

The 2010 FEIR is a program level document that considers the combined effects of implementing several related projects. As such, the analyses presented in the 2010 FEIR represent a cumulative analysis of environmental impacts that may occur from buildout of the Specific Plan and the General Plan.

4.1. AESTHETICS

Except as provided in Public Resources Code Section 21099, would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; and Plan Set, prepared by HDO Architecture, dated March 18, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to aesthetics in Chapter 4.11 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.11.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would encourage new development and redevelopment activities that could potentially degrade existing scenic vistas. This impact is considered less than significant.

- Impact 4.11.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the alteration of visual character. This is considered a less than significant impact.

- Impact 4.11.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in the intensification of land uses within the GPU Planning Area, which has the potential to create new sources of daytime glare and nighttime illumination. This impact is considered a less than significant impact.

- Impact 4.11.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), along with foreseeable development in the region, would not result in the significant conversion of the city's visual character. This is considered a less than cumulatively considerable impact.

The 2010 FEIR determined that implementation would result in less than significant impacts regarding degradation of existing scenic vistas, alteration of visual character, and light and glare. No mitigation measures were required for the determination of less than significant impacts.

Project Consistency with the 2010 FEIR

4.1(a) (Scenic Vistas) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that there are no designated scenic vistas within the city. Although the City contains scenic views of the San Pablo

Bay and the surrounding cities that can be seen from the City's ridgelines, these views were not considered scenic vistas and the 2010 FEIR determined impacts to scenic vistas as less than significant.

The Pinole Shores II Project will introduce a new 2-story light industrial building on a site surrounded by established urban development. Given the site location within an urbanized area with no designated scenic vistas, the proposed project will result in no changes to visual impacts relative to the 2010 FEIR. No trees are currently growing on the project site and no tree removal will be required. The development will introduce approximately 123 new trees. New trees and landscaping will provide visual screening and soften the new development as well as provide shade to the parking lots and biofiltration in the proposed stormwater bioretention areas. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.1(b) (Scenic Highways) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that there are no officially designated state scenic highways or highways eligible for a designation by the California Department of Transportation Scenic Highways Program within the City. Accordingly, the project will have no impact on scenic resources within a state scenic highway.

4.1(c) (Visual Character) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan and Specific Plan could result in alteration to the visual setting in non-urbanized areas and those impacts would be less than significant. Though there are no officially designated scenic vistas within Planning Area, there are scenic views of the San Pablo Bay and the surroundings that can be seen from vantage points along ridgelines. The project is consistent with the intent of the General Plan and the Three Corridors Specific Plan to promote infill development within the urbanized areas of the city along the primary transportation corridors, to protect ridgelines and preserve open space, and to limit the height of buildings to protect long-range views.

The 2010 FEIR indicated that development consistent with the Zoning Code and General Plan policies would protect the visual character of the City. The project is compatible with General Plan Policy CC.1.1 in that it exhibits pedestrian orientation, and interconnectivity of circulation via the provision of sidewalks throughout the development that connect to the sidewalks along San Pablo Avenue, and also provides a connection to the other buildings in the Pinole Shores Business Park. Through Action CC.1.1.3 the project is also subject to the City's Commercial and Industrial Design Criteria and Guidelines to ensure high quality design and compatibility with the scale and character of the neighborhood.

The project has been evaluated by the City and found to be consistent with the applicable Design Guidelines as follows:

- The site design is pedestrian-oriented providing sidewalks around the entire periphery of the proposed building and at the site frontage.
- The project retains the existing access driveways off San Pablo Avenue.

The 2010 FEIR determined that the General Plan and Three Corridors Specific Plan policies and guidelines would mitigate impacts to visual character by directing development toward existing transportation corridors and protecting scenic resources including historic visual resources, creeks, the San Pablo Bay shoreline, ridgelines, hillsides, and tree and vegetative resources. The site is in an urbanized area and there are no scenic or visual resources present on the project site. Construction of the project will not be detrimental to the scenic quality of Pinole due to removal or infringement upon a significant scenic resource. The proposed building height would not create an impediment to long-range views because it is under the 4-story limit established in the Three Corridors Specific Plan. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.1(d) (Lighting and Glare) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that intensification of land uses may create new sources of light and glare. Application of lighting rules and regulations included in the Pinole Municipal Code was identified in the FEIR as a means to minimize impacts. The proposed lighting would be in conformance with Chapter 17.46, which governs installation and operation of lighting fixtures. Among the standards for lighting is the requirement for full downward shielding in order to reduce light and glare impacts to adjoining properties and public rights-of-way. Compliance with lighting standards has been imposed under environmental condition of approval **AES-1** in accordance with General

Plan Action CC.2.3.4. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion and Environmental Conditions of Approval

The project would not result in any substantial new or more severe impacts to aesthetics relative to what was identified in the 2010 FEIR. The project would be required to comply with City of Pinole regulations that implement General Plan policies, including Zoning Code standards captured in the following environmental condition of approval:

COA AES-1: The applicant shall ensure, and the City shall verify, that the final lighting plan incorporates applicable requirements set forth in Chapter 17.46 of the Pinole Municipal Code and General Plan Action CC.2.3.4, including that all outdoor lighting fixtures be designed, shielded, aimed, located, and maintained to shield adjacent properties and to not provide glare onto adjacent properties or roadways.

4.2. AGRICULTURAL AND FORESTRY RESOURCES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; and California Department of Conservation Farmland Mapping and Monitoring.

General Plan and Specific Plan EIR Findings

The 2010 FEIR determined under Chapter 1.7 that implementation of the General Plan/Specific Plan would not result in any potentially significant impacts to agricultural land because the city has been largely built out and does not have agricultural operations. Similarly, the City of Pinole lacks forestland and timberland production.

Project Consistency with the 2010 FEIR

4.2(a-e) (Farmland, Agricultural Land, Forest Land) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that buildout will not impact agricultural land. The project site is mapped as Urban and Built-Up Land by the California Department of Conservation. It does not contain farmland or forest land pursuant to Section 12220(g) of the Public Resources Code. The project is within the scope of development projected under the General Plan/Specific Plan and the 2010 FEIR and located on a site designated to support light industrial uses. Therefore, there would be no impact to farmland, agricultural land, or forestland due to the proposed project.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any new or more severe impacts to agricultural and forestry resources relative to what was identified in the 2010 FEIR. The project consists of development within an urban context that would not impact agricultural or forestland resources and is consistent with the City's General Plan and Three Corridors Specific Plan.

4.3. AIR QUALITY

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Exposure of sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; BAAQMD 2017 Bay Area Clean Air Plan; BAAQMD CEQA Guidelines April 20, 2022; BAAQMD Recommended Methods for Screening and Modeling Local Risks and Hazards, prepared by the BAAQMD, May 2011; and Air Quality and Greenhouse Gas Assessment, prepared by Illingworth & Rodkin, Inc., April 25, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to air quality in Chapter 4.3 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.3.1- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in increased population and vehicle miles traveled that would exceed assumptions used to create the BAAQMD's Clean Air Plan. Although the GP EIR identified policies that would help reduce the effect of impacts, the impact would be significant and unavoidable, and there are no available mitigation measures. Resolution 2010-88 adopted a statement of overriding consideration for this significant and unavoidable impact citing a sustainability benefit with the following rationale: "The proposed residential and commercial uses and related densities are designed to balance housing and employment opportunities to help reduce trips in and out of the region."

- Impact 4.3.2- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in short-term construction emissions that could violate or substantially contribute to violations of federal and state ambient air quality standards. Implementation of mitigation measure 4.3.2, requiring the use of BAAQMD best management practices for construction emissions, would reduce impacts to less than significant.

- Impact 4.3.3- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in long-term, operational emissions that could violate or substantially contribute to violations of federal and state ambient air quality standards. Impacts were determined to be significant and unavoidable, and there are no available mitigation measures. A statement of overriding consideration was adopted with certification of the 2010 FEIR by resolution 2010-88 citing sustainability benefits.

- Impact 4.3.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in increased population and employment that would result in level of service operations that would be inconsistent with the region's congestion management

Program. Implementation of mitigation measure 4.4.2, for the City to work with county transportation agencies, would reduce impacts to less than significant impacts. The project is consistent with development assumptions within the General Plan and results in no new significant or more severe impact relative to the 2010 FEIR.

- Impact 4.3.5- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in projects that would include sources of toxic air contaminants which could affect surrounding land use. Subsequent land use activities could also place sensitive land uses near existing sources of toxic air contaminants. These factors could result in the exposure of sensitive receptors to substantial concentrations of toxic air contaminants and/or fine particulate matter. General Plan policies that would reduce impacts include Policy SE.7.1, SE.7.9 and LU.3.3. Impacts were determined to be significant and unavoidable, and there are no available mitigation measures. A statement of overriding consideration was adopted with certification of the 2010 FEIR by resolution 2010-88 citing sustainability benefits.

- Impact 4.3.6- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could include sources that could create objectionable odors affecting a substantial number of people or expose new residents to existing sources of odor. Mitigation measure 4.3.6a and 4.3.6b, which includes compliance with BAAQMD best management practices, would reduce impacts to less than significant.

- Impact 4.3.7- The General Plan EIR determined that implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with cumulative development in the SFBAAB, would result in a cumulatively considerable net increase of ozone and coarse and fine particulate matter. Impacts were determined to be cumulatively considerable, and there are no available mitigation measures. A statement of overriding consideration was adopted with certification of the 2010 FEIR citing sustainability benefits.

Implementation of the General Plan and Specific Plan would result in potentially significant air quality impacts. Mitigation measures from the 2010 FEIR would reduce the effect of impacts, however not all impacts may be reduced to less than significant levels. A statement of overriding consideration was adopted with certification of the 2010 FEIR.

Project Consistency with the 2010 FEIR

4.3(a) (Conflict with Plan) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR found that build out of the General Plan would result in significant and unavoidable impacts on air quality, and a statement of overriding considerations was adopted. The General Plan determined that impacts resulting from the increased population and vehicle miles traveled would exceed assumptions used to create the 2010 BAAQMD Clean Air Plan. As it relates to the General Plan and Specific Plan, the development proposed by the Pinole Shores II Project is within the development projections of the 2010 FEIR and would not create new impacts, more significant impacts, or a substantial change from the 2010 FEIR.

In the 2017 and updated 2022 BAAQMD CEQA Air Quality Guidelines, the BAAQMD established thresholds of significance for construction and operation for emission levels that may be considered potentially significant impacts. Project-specific analysis of air pollutant emissions, (**Appendix A**), quantifies emissions from short-term construction-related activities (e.g. construction equipment emissions, soil disturbance, transport of materials and worker trips) and long-term operations (e.g., employee, visitor, delivery, and distribution trips, as well as area sources from use of consumer products and landscaping maintenance equipment). For the wholesaling and distribution use of the project during operation, it was estimated that there would be 107 truck trips to the site per day. These trucks were assumed to be heavy heavy-duty trucks (HHDT) and are a source of long-term DPM emissions. Distribution truck trips were assumed to travel to and from the site, with an idling time of 5 minutes at loading docks for each in-bound and out-bound trip. Emissions from truck distribution trips would contribute to cumulative health risk impacts to nearby off-site receptors but would not exceed the BAAQMD single-source threshold.

Air quality emissions generated by the project would not exceed BAAQMD significance thresholds during construction or at operation, as shown in Tables AQ-1 and AQ-2 below.

Table 1. Construction Period Emissions

Scenario	ROG (Reactive Organic Gases)	NO_X (Nitrogen Oxides)	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2025	0.70	0.65	0.03	0.02
BAAQMD Thresholds (tons/year)?	10	10	15	10
Exceed Threshold?	**No**	**No**	**No**	**No**
Average Daily Construction Emissions Per Year (pounds/day)				
2025 (185 construction workdays)	9.21	8.65	0.36	0.33
BAAQMD Thresholds (pounds/day)	54	54	82	54
Exceed Threshold?	**No**	**No**	**No**	**No**

Sources: 2022 BAAQMD CEQA Air Quality Guidelines; and Air Quality and Greenhouse Gas Analysis, April 2024, Illingworth & Rodkin.

Table 2. Operational Emissions

Scenario	ROG (Reactive Organic Gases	NO_X (Nitrogen Oxides)	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2026 Project Operational Emissions (tons/year)	1.20	0.52	1.08	0.28
Project Truck Trips (tons/year)	0.01	0.65	0.43	0.08
BAAQMD Thresholds (tons/year)	10	10	15	10
Exceed Threshold?	**No**	**No**	**No**	**No**
2026 Project Operational Emissions (pounds/day)	6.61	6.44	8.27	1.96
BAAQMD Thresholds (pounds/day)	54	54	82	54
Exceed Thresholds?	**No**	**No**	**No**	**No**

Sources: 2022 BAAQMD CEQA Air Quality Guidelines; Air Quality and Greenhouse Gas Analysis, April 2024, Illingworth & Rodkin.

There would be temporary generation of fugitive dust in the form of PM10 and PM2.5 during construction activities, particularly during site preparation and grading. BAAQMD does not have a quantitative threshold of significance for fugitive dust. However, the 2022 BAAQMD CEQA Guidelines provide recommendations for best management practices to reduce emissions, including fugitive dust. Mitigation measure 4.3.2, set forth in the 2010 FEIR requires the use of BAAQMD-approved basic construction mitigation measures. The 2010 FEIR concluded that impacts from construction would be less than significant with implementation of mitigations. Best management practices from the latest BAAQMD CEQA Air Quality Guidelines are required to be implemented by the project as imposed by environmental condition of approval **AQ-1**, consistent with FEIR mitigation measure 4.3.2. At operation air quality emissions are project to fall below the criteria pollutant thresholds of significance. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.3(b) (Increase Criteria Pollutants) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR identified a cumulatively considerable impact from the net increase of criteria pollutants citywide from buildout of the General Plan, and a statement of overriding considerations was adopted. The project is consistent with the projected buildout of the General Plan. At the project-level, analysis of criteria pollutant emissions from development of the project, as described above in 4.3(a), determine that the project would not exceed criteria pollutant thresholds during construction or at operation and impacts would be less than significant. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.3.(c) (Sensitive Receptors) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined impacts to sensitive receptors would be significant and unavoidable, and a statement of overriding consideration was adopted. At the project-level, construction activities would result in short term emissions that could potentially impact nearby sensitive receptors including surrounding residential uses. During construction, onsite activities will result in airborne particles from site disturbance and construction equipment emissions (i.e., diesel particulate matter exhaust emissions from vehicles and heavy equipment operations). Health risks from diesel-exhaust emissions are connected to long-term exposure and the associated carcinogenic risk. For toxic air contaminants (TACs) and effects on sensitive groups, health risks are based on a 30-year exposure period in accordance with the Office of Environmental Health Hazard Assessment.

Based on the Air Quality Analysis conducted for the project (**Appendix A**), it can be concluded that the project's construction activities would result in significant impacts with respect to health risks to sensitive receptors because they would exceed the BAAQMD single source thresholds for the maximally exposed individual (MEI). Implementation of the best management practices during construction (in accordance with mitigation measure 4.3.2) as specified in condition of approval AQ-1 would ensure that emissions are minimized. In accordance with Policy SE.7.5, air quality emissions shall be maintained below BAAQMD single-source thresholds by the application of environmental condition of approval **AQ-2** which requires that Tier 4 engines be used during project construction or that a Construction Operations Plan be implemented that reduces diesel-powered equipment emissions by 45 percent or greater.

As shown in Table AQ-3 below, the BAAQMD threshold for any single source of TACs is 10 in one million total cancer risk, 0.3 µg/m^3 for annual $PM_{2.5}$ and 1.0 for the hazard index. The analysis found that, with application of COAs AQ-1 and AQ-2, during construction the MEI would experience a cancer risk of 3.22 per million, an annual $PM_{2.5}$ of 0.12 µg/m^3, and a hazard index of <0.01, which is below the single source thresholds. As such, with conditions of approval, impacts from project construction activities would result in less than significant health risk to surrounding sensitive receptors.

As shown in the Table below, the BAAQMD threshold for cumulative sources is 100 in one million total cancer risk, 0.8 µg/m^3 for annual $PM_{2.5}$ and 10.0 for the hazard index. The analysis found that including construction and other existing cumulative sources in the site vicinity (Crockett's Auto Body, Central Concrete, the WCCTA gas station, BNSF Railway, and San Pablo Avenue), and with application of COAs AQ-1 and AQ-2, the MEI would experience a cumulative cancer risk of 10.05 per million, a cumulative annual $PM_{2.5}$ of 0.26 µg/m^3, and a cumulative hazard index of <0.05, which is below the cumulative source thresholds. As such, impacts from the project construction activities, combined with other existing emitters in the vicinity would result in less than significant health risk to surrounding sensitive receptors. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Table 3. Impacts from Combined Sources at Project Maximally Exposed Individual (MEI)

Source		**Cancer Risk (per million)**	**Annual $PM_{2.5}$ (µg/m^3)**	**Hazard Index**
Project Impacts				
Project Total/Maximum	Without COA	**13.49 (infant)**	0.34	0.01
	With COA	3.22 (infant)	0.12	<0.01
BAAQMD Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Without COA	***Yes***	***Yes***	*No*
	With COA	*No*	*No*	*No*

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Cumulative Sources			
Crockett's Premier Auto Body (Facility ID #14312, Automotive Body, Paint, and Interior Repair and Maintenance), MEI at 955 ft	-	-	<0.01
Central Concrete Pinole Plant (Facility ID #24845, Ready-Mix Concrete Manufacturing), MEI at 850 ft[1]	-	0.12	-
Western Contra Costa Transit Authority (Facility ID #108694_1, Gas Dispensing Facility), MEI at 1000+ ft	0.01	-	<0.01
Burlington Northern Santa Fe Railway	6.63	0.01	-
San Pablo Avenue, 18,544 ADT	0.19	0.01	<0.01
Combined Sources Without COA	20.32	0.48	<0.05
With COA	10.05	0.26	<0.05
BAAQMD Cumulative Source Threshold	***100***	***0.8***	***10.0***
Exceed Threshold? Without COA	*No*	*No*	*No*
With COA	*No*	*No*	*No*

Sources: 2022 BAAQMD CEQA Air Quality Guidelines; Air Quality and Greenhouse Gas Analysis, April 2024, Illingworth & Rodkin.

4.3(d) (Odors) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts due to odors would be potentially significant and specified mitigation measure 4.3.6b to reduce such impacts to a less than significant level.

As an warehouse and light industrial development, the project may involve operations that generate odors, such as light industrial and manufacturing. During construction, odors may be emitted from construction equipment and vehicles, but would be minimized through best management practices as imposed through COA AQ-1. As such the project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Furthermore, the project would not result in a potential conflict due to introducing an office and light industrial facility into an area with existing heavy industrial use or introducing new or substantial odors. Major sources of potential odors include wastewater treatment plants, wastewater pumping facilities, sanitary landfills, transfer stations, composting facilities, petroleum refineries, asphalt batch plants, chemical and fiberglass manufacturing, painting/coating operations, food processing facilities, and green waste and recycling operations. The permitted uses at the project site and the conditionally allowed uses are limited to those identified by the OIMU land use, use permit, and Specific Plan regulation. Therefore, there would be no new impact relative to the 2010 FEIR due to odors from a potential land use conflict.

2010 FEIR Mitigation Measures

The 2010 FEIR mitigation monitoring and reporting program outlines the following mitigation measures:

MM 4.3.2 The proposed General Plan Update shall include a policy that would require the use of BAAQMD-approved criteria air pollutant reducing Basic Construction Mitigation Measures to all future construction projects within the GPU Planning Area where feasible whether or not construction-related emissions exceed applicable Thresholds of Significance.

Status: Applicable. In accordance with this measure, the project is subject to environmental condition of approval AQ-1.

MM 4.3.6a The proposed General Plan Update shall include an action item that shall require the city to update the Zoning Code to require the City to identify the location of existing odor sources in the city.

Status: Not applicable.

MM 4.3.6b The following policy shall be incorporated into the Sustainability Element of the General Plan:

When new development that would be a source of odors is proposed near residences or sensitive receptors, either adequate buffer distances shall be provided (based on recommendations and requirements of the BAAQMD CEQA Air Quality Guidelines) or filters or other equipment/solutions shall be provided to reduce the potential exposure to acceptable levels. Potential mitigation associated with this policy requirement will be coordinated with any required permit conditions from BAAQMD.

When new development that would be a source of odors is proposed near residences or sensitive receptors, either adequate buffer distances shall be provided (based on recommendations of the BAAQMD CEQA Air Quality Guidelines) or filters or other equipment/solutions shall be provided to reduce the potential exposure to acceptable levels.

Status: Not applicable. Major sources of potential odors include wastewater treatment plants, wastewater pumping facilities, sanitary landfills, transfer stations, composting facilities, petroleum refineries, asphalt batch plants, chemical and fiberglass manufacturing, painting/coating operations, food processing facilities, and green waste and recycling operations. These uses fall under the heavy industrial definition in Pinole's municipal code and are either not allowed in the OIMU district or would be allowed only through the CUP process. Impacts of conditionally allowed uses would be evaluated during the CUP process if required.

Conclusion and Environmental Conditions of Approval

The proposed project is within the scope of development projected under the General Plan and Three Corridors Specific Plan, and there would be no additional impacts to air quality beyond those analyzed in the 2010 FEIR. The following environmental conditions of approval would apply to the project to implement requirements of the 2010 FEIR mitigation measures.

COA AQ-1: During construction activities including demolition and ground disturbance activities, on and offsite, the contractor shall implement the latest BAAQMD recommended Best Management Practices (BMPs) to control for fugitive dust and exhaust as follows:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material shall be covered.
3. All visible mud and dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as practicable. Building pads shall be laid as soon as practicable after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper working condition prior to operation.
8. A publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints shall be posted on the project site prior to the initiation of construction activities. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

COA AQ-2: During construction activities, contractors shall use construction equipment that has low diesel particulate matter exhaust to minimize emissions and limit use of diesel-powered equipment. The project shall implement a feasible plan to reduce diesel-powered machinery (DPM) emissions by no less than 45 percent through one or both of the following:

1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for particulate matter (PM_{10} and $PM_{2.5}$), if feasible. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 2 or 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 45 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination).

2. Develop a Construction Operations Plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 45 percent or greater. Such a plan shall be subject to review by an air quality expert and approved by the City prior to commencement of ground-disturbing activities. Elements of the plan could include a combination of some or all of the following measures:

   - Use equipment that meets EPA Tier 4 standards or alternatively fueled equipment.
   - Install electric power lines during early construction phases to avoid use of diesel generators and compressors.
   - Use electrically powered equipment.
   - Use forklifts and aerial lifts for exterior and interior building construction that are electric or propane/natural gas powered.
   - Change construction build-out plans to lengthen phases.
   - Implement building techniques that result in the use of less diesel-powered equipment.

4.4. BIOLOGICAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and Biological Resources Analysis, prepared by Monk & Associates Environmental Consultants, October 12, 2022.

General Plan and Specific Plan EIR Findings

Biological resources are protected by federal and state statute including the Federal Endangered Species Act (FESA), the California Endangered Species Act (CESA), the Clean Water Act (CWA), and the Migratory Bird Treaty Act (MBTA) which affords protection to migratory bird species including birds of prey. These regulations provide legal protection for identified plant and animal species of concern and their habitat.

The 2010 FEIR evaluated potential impacts to biological resources in Chapter 4.7 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.7.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in direct and indirect loss of habitat and individuals of endangered, threatened, rare, proposed, and candidate plant and wildlife species, plant species identified by the California Native Plant Society with a rating of List 1A or 1B (i.e., rare, threatened, or endangered plants) as well as animal and plant species of concern and other non-listed special status

species. This would be a less than significant impact with identified policies including Action OS.1.1.5 and Policy OS.3.9.

- Impact 4.7.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in disturbance, degradation, and removal of riparian habitat, coastal oak woodland, and wetland habitats. This would be a potentially significant impact and reduced to less than significant with mitigation measures 4.7.2a and 4.7.2b.

- Impact 4.7.3 – Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in substantial adverse impacts to and the potential loss of jurisdictional waters of the U.S. This would be a less than significant impact with incorporation of General Plan policies and action items including Policies OS.1.4, OS.1.5, OS.3.9, and Actions OS.1.4.5, OS.1.5.1.

- Impact 4.7.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could interfere substantially with the movement of native resident or migratory fish or wildlife species. This would be a less than significant impact with incorporation of General Plan policies and actions items.

- Impact 4.7.5- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or any adopted biological resources recovery or conservation plan of any federal or state agency. Therefore, there is no impact.

- Impact 4.7.6- Implementation of the proposed General Plan and associated project components (Three Corridors Specific Plan, and Zoning Code Update), together with past, present, and probable future projects in the Planning Area and larger regional context, would result in a cumulatively significant loss of biological resources in the region that could be reduced less than cumulatively considerable with mitigation measures 4.7.2a and 4.7.2b. The project's incremental contribution to this significant cumulative impact is less than cumulatively considerable but will be subject to mitigation measures adopted by the FEIR as appropriate.

As shown on Figure 4.7-2 of the 2010 FEIR, the project site and vicinity have the potential to support special-status animal species including the pallid bat, San Pablo song sparrow, and the yellow-headed black bird. Based on the species descriptions presented on page 4.7.22 of the 2010 FEIR, neither the San Pablo song sparrow nor the yellow-headed black bird is expected to nest onsite since the site lacks salt marshes, tidal slews, and freshwater emergent wetlands.

Biological Resources Assessment

A site-specific Biological Resources Analysis (BRA), dated October 12, 2022, was prepared by Monk & Associates, Environmental Consultants for the subject property on a previously approved design (**Appendix B**[3]).

The BRA includes a characterization of the existing site conditions, a description of site analysis methodology and site visit results, review for consistency with applicable policies of the Pinole General Plan relating to biological resources, and environmental conditions of approval. The BRA found that the site has been previously graded and is currently covered in ruderal non-native and invasive vegetation. The site did not appear to be occupied or viable habitat for special status species or plant communities. Some birds were in the vicinity of the project site and in the nearby riparian woodland and protected grove to the southeast of the site. No trees would require removal for construction of the project. As such, a site-specific arborist report pursuant to the Pinole Municipal Code (PMC) Chapter 17.98 was not deemed necessary.

[3] It should be noted that the Biological Resources Analysis (BRA) prepared a site specific analysis for a previously proposed and approved design with two buildings, whereas, the project as current proposed is limited to one building. The information presented in the BRA remains applicable to the project site and the project's potential impacts to biological resources and is appropriately relied upon for the analysis of the proposed project.

The information presented in this section is based on the site-specific Biological Resources Analysis prepared for the project, which is included as **Appendix B** of this document.

Project Consistency with the 2010 FEIR

4.4(a-b) (Special-Status Species and Sensitive Communities) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that implementation of the General Plan and Three Corridors Specific Plan could result in adverse effects, either directly or indirectly, on species listed as endangered, threatened, rare, proposed, and candidate plant and wildlife species as well as plant species identified by the CNPS with a rating of List 1A or 1B. The 2010 FEIR determined that impacts to biological resources would be less than significant with the implementation of mitigation measures and identified policies and actions.

In accordance with mitigation measure 4.7.2b of the 2010 FEIR, a biological resources assessment was conducted. The assessment concluded that although the project site is undeveloped, it has been previously disturbed, graded and cleared and lacks sensitive communities that would support special status species. No sensitive plant communities or habitats were observed on site during the field investigation and no special status species were identified. The assessment concluded that there is no potential for sensitive plants or wildlife to occur onsite or use the site as habitat due to the lack of habitat that can support sensitive species. There is no riparian habitat or wetlands on the project site.

Offsite to the east is an existing drainage that supports a narrow band of riparian woodland and to the southeast is a protected tree grove, pursuant to General Plan Figure 10.4. The proposed improvements, including the conditioned sounds wall, are set back a minimum of 50-feet from the riparian woodland and the protected grove. The offsite woodland and tree grove will not be directly affected by the project as no tree removals are proposed. Indirect impacts to periphery and offsite trees will be avoided through implementation of environmental **Condition of Approval (COA) BIO-1**, which provides for construction exclusion fencing to ensure this area is not impacted by construction activities. Furthermore, HYD-1 and COA HYD-2 will ensure that appropriate stormwater and runoff controls are designed to avoid any construction or operational impacts to the offsite drainage and riparian woodland.

The assessment identified that there are shrubs onsite and trees nearby offsite that may support bird nests during the nesting season. Although no active nests were observed during the site survey, new nests may be established prior to commencement of construction activities. In accordance with the federal Migratory Bird Treaty Act (MBTA) and Section 3503 of the California Fish and Game Code, the biological resources assessment recommends that preconstruction nesting bird surveys be conducted during the nesting season. This recommendation has been imposed on the project by environmental **Condition of Approval (COA) BIO-2.** Therefore**,** the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact to biological resources relative to the 2010 FEIR.

4.4(c) (Adverse Effects to Jurisdictional Waters) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan and Three Corridors Specific Plan would result in disturbance, degradation, and removal of riparian habitat, coastal oak woodland, and wetland habitats and those impacts would be less than significant with mitigation measures 4.7.2a and 4.7.2b. No creeks or tributaries are located within 100-feet of the project site, and therefore the project is not subject to mitigation measure 4.7.2a. In accordance with mitigation measure 4.7.2b, the project site was subject to a biological resources evaluation, which did not identify any jurisdictional features onsite. As such, the project would have no direct impacts to jurisdictional waters. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.4(d) (Adverse Effect on Wildlife Movement) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan and Three Corridors Specific Plan could interfere with movement of native resident or migratory fish or wildlife species and those impacts would be less than significant. Wildlife movement includes seasonal migration, long-term genetic flow, and daily movement within an animal's territory. Wildlife corridors are linear or regional habitats that provide connectivity to other natural vegetation communities within a landscape fractured by urbanization and other development. Barriers to wildlife movement include large developments or major roadways. Movement to and from the subject property is restricted by established urban development surrounding the site, including San Pablo Avenue, the existing office-industrial development to the south, the BNSF railroad to the north, multifamily residential to the east,

and an industrial concrete and construction materials operation to the west. The project is proposing to build in an area that has been previously disturbed and does not serve as a wildlife corridor.

Therefore, the proposed development of the site will not introduce a barrier to wildlife movement through a wildlife corridor. Accordingly, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact to wildlife movement relative to the 2010 FEIR.

4.4(e) (Conflict with Local Ordinances) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that the General Plan and Three Corridors Specific Plan will not result in a conflict with a local policy or ordinance protecting biological resources. Chapter 17.96 of the Zoning Code addresses tree removal and defines protected trees. Action CC 2.2.1 requires that a Tree Survey Report be prepared by a certified arborist when any trees are proposed for removal. As described in the Biological Resources Assessment, there are two protected trees on the periphery of the project site that will be retained. COA BIO-1 is imposed that requires exclusion fencing to be placed at the dripline of these trees to prevent site construction from impacting these trees. Should the trees be damaged or removed during construction, they will be replaced pursuant to Chapter 17.96 of the Pinole Zoning Code and the terms of a Tree Removal Permit required by COA BIO-1.

There is a grove of oak trees to the southeast that is identified in General Plan Figure 5.9 as a protected grove, and riparian woodland associated with the drainage to the east of the project site. The proposed project will be set back at least 50 feet from the riparian woodland with an average setback of 65 feet. The project does not propose any activities that would involve tree removal or otherwise disturb the existing offsite protected tree grove. Construction activities will not occur in the vicinity of the protected grove. Nevertheless, environmental COA BIO-1 is imposed to avoid indirect impacts to the offsite riparian woodland and protected tree grove. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact due to a conflict with local ordinances to protect biological resources relative to the 2010 FEIR.

4.4(f) (Conflicts with Habitat Conservation Plans) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that the project would not conflict with the provision of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved Conservation Plan and that there would be no impacts. There are no established habitat conservation plans applicable to the project site. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

MM 4.7.2a Require a minimum 100-foot setback from the top of creek banks (Pinole Creek, Catty Creek, Duncan Canyon/Cole Creek, Shady Draw, Faria Creek, and Roble Creek) for development and associated above-ground infrastructure. Analyze the adequacy of a 100-foot setback as a part of project and environmental review and require a larger setback where necessary to mitigate project impacts.

Status: Not Applicable. The project site is not located within 100-feet of a creek top of bank.

MM 4.7.2b The City shall require biological resources evaluation for discretionary projects in areas identified to contain or possibly contain plant and/or wildlife species designated by state and federal agencies as rare, threatened, or endangered. This evaluation shall be conducted prior to the authorization of any ground disturbance. For proposed projects in which plant and/or wildlife species designated by state and federal agencies as rare, threatened, or endangered are found, the City shall require feasible mitigation of impacts to those species that ensure that the project does not contribute to the decline of the affected species such that their decline would impact the viability of the species. Such mitigation measures may include providing and permanently maintaining similar quality and quantity of replacement habitat, enhancing existing habitat areas, or paying fees towards an approved habitat mitigation bank. Replacement habitat may occur either on-site or at approved off-site locations. Feasible mitigation shall be determined by the City after the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (now California Department of Fish and Wildlife) are provided an opportunity to comment. Mitigation shall emphasize a multi-species approach to the

maximum extent feasible. This may include development or participation in a habitat conservation plan.

Status: Applicable. The project has complied with this measure by conducting a biological resources assessment incorporated in the project's Biological Constraints Assessment Memorandum (**Appendix B**). Based on recommendations therein, the project is subject to COA BIO-1 and COA BIO-2 set forth below.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to biological resources relative to what was identified the 2010 FEIR. The project has complied with mitigation measure 4.7.2b through the preparation of a project-specific Biological Resources Assessment. The following COAs are based on the recommendations of the site-specific reports.

COA BIO-1: Protected trees and protected groves shall be avoided and protected during construction. During project construction, the following measures shall be implemented:

1. **Tree Protection Zone.** Construction workers and vehicles shall be excluded from entering or disturbing the protected grove to the southeast and the riparian woodland to the east of the project site will be installed and shall include but will not be limited to temporary orange construction fencing, silt fencing, fiber logs, and signage. Individual trees on the site or on the periphery of the site that may be impacted by construction shall be protected by exclusion fencing placed at the dripline. No trenching or excavation may occur within the tree protection zone. Following completion of construction activities all temporary fencing shall be removed.

2. **Tree Removal Permit.** If any protected trees need to be removed or are inadvertently killed in the course of construction or if any trenching, grading, or excavation must occur within a tree protection zone, a Tree Removal Permit will be applied for from the City of Pinole and shall be replaced in accordance with Chapter 17.96 of the Pinole Zoning Code.

COA BIO-2: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. **Avoid Nesting Season.** Grading or removal of potentially occupied habitat should be conducted outside the nesting season, which occurs between approximately February 1 and August 31.

2. **Survey for Nests.** If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey of the potentially occupied habitat onsite (trees, shrubs, grassland) and within 200 feet of the project site (i.e., within a zone of influence of the project site) shall be performed by a qualified biologist within 15 days of groundbreaking. The zone of influence includes those areas outside the project site where nesting birds could be disturbed by earth-moving vibrations and/or other construction-related noise. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.

3. **Establish Buffer Zones.** If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat.

    a. The radius of the required buffer zone can vary depending on the species, (i.e., 50-300 feet for passerines and 200-500 feet for raptors), with the dimensions of any required buffer zones to be determined by a qualified ornithologist or biologist in consultation with CDFW.

b. To delineate the buffer zone around the occupied habitat, orange construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.

c. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriately adjusted by a qualified biologist as needed to avoid disturbance.

d. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

4.5. CULTURAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☐	☒	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and Cultural Resources Study, prepared by Evans & DeShazo, Inc., January 4, 2023.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to cultural resources in Chapter 4.10 including the Three Corridors Specific Plan area and determined the following:

- Over 40 archaeological and historical investigations, covering approximately 60% of the Pinole General Plan Update Planning Area have been conducted.
- Impact 4.10.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the potential disturbance of cultural resources (i.e., prehistoric sites, historic sites, and isolated artifacts and features) and human remains. This would be a potentially significant impact and reduced to less than significant with mitigation measures 4.10.1a through c.
- Impact 4.10.3- Adoption of the proposed project along with foreseeable development in the region could result in the disturbance of cultural resources and human remains. This contribution is considered cumulatively considerable and would be reduced to less than significant levels with mitigation measures 4.10.1a through c.

Archaeological Assessment

Consistent with mitigation measure 4.10.1a set forth in the 2010 FEIR, a Cultural Resources Study (CRS) was completed for the project site (**Appendix C**) which included 1) a record search and literature review, 2) a Sacred Lands File (SLF) search and outreach to local Native American tribes, and 3) a pedestrian field survey.[4]

The Assessment included review of information obtained at the Northwest Information Center (NWIC) using the California Historical Resources Information Systems (CHRIS); historical maps and aerial photographs and other information related to ownership and development history; and geoarchaeological reports and soils data to determine the potential for prehistoric archaeological resources. There are no records of cultural resources located within the project site, but there are four records of sites within a 0.5-mile radius of the project area, three of which are within 250 feet of the project site. The review of historical maps of the area did not reveal any buildings historically located on the project site. The Assessment concluded that due to the age and formation of the landform onsite there is a low potential for subsurface historic-period archaeological resources,

[4] It should be noted that the Cultural Resources Study (CRS) prepared a site-specific analysis for a previously proposed design with two buildings, whereas the project as current proposed is limited to one building. The information presented in the CRS remains applicable to the project site and the project's potential impacts to cultural and tribal cultural resources and is appropriately relied upon for the analysis of the subject proposed project.

low potential for buried prehistoric archaeological resources, and a high potential for surficial prehistoric archaeological resources. Surficial prehistoric archaeological resources, if present, are expected to be disturbed by the site's grading, fill, and prior use. It is unlikely that any subsurface archaeological resources, if present, would be encountered during project-related ground-disturbing activities because the depth of engineered fill is 8 to 12 feet across the site and the maximum depth of excavation will be 7 feet.

The SLF inventory request was sent to the Native American Heritage Commission (NAHC) on September 7, 2022. The NAHC responded on October 11, 2022, reporting that the record search was negative for the presence of any Sacred Sites and providing contacts for Native American tribal groups who may have knowledge of Tribal Cultural Resources (TCRs) located within or near the project site. The Tribes were contacted, and one response was received from a representative of the Indian Canyon Mutsun Band of Costanoan recommending that a Native American Monitor and Archaeologist be present on-site during ground-disturbing activities (Also see Section 4.18: Tribal Cultural Resources).

An archaeological field survey was conducted on October 6, 2022. Soil visibility was very poor in the northern portion of the site to very good in the southern portion of the site. No artifacts or indications of a prehistoric archeological resource were observed, and none are likely to be encountered during ground-disturbing activities.

Nonetheless, as indicated above, there are four records of sites within a 0.5-mile radius of the project area and three of these are within 250 feet of the project site. Though there are no cultural resources identified within the project area and the potential to encounter cultural resources is low, the Cultural Resources Study recommends monitoring pursuant to the request by the Tribe and procedures for the handling of cultural resources and human remains if discovered during ground-disturbing activities.

Historic Evaluation

Consistent with mitigation measure 4.10.1a set forth in the 2010 FEIR, the cultural resources study prepared for the project, includes a review of historic registers and inventories, which indicated that no historical landmarks, and points of interest are present within or in the vicinity of the project site. There are no structures current on the site which would be eligible for listing as a historical resource, pursuant to CEQA.

Project Consistency with the 2010 FEIR

4.5(a) (Historic Resources) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that compliance with mitigation measure 4.10.1a and General Plan Action CC.4.2.4, would ensure that subsequent development projects result in less than significant impacts to historical resources. The project site is currently devoid of buildings. No buildings of a historical nature or important to national, state, or local history exist onsite. Therefore, no new significant impacts or substantial increase in the severity of previously identified impacts, due to a substantial adverse change in the significance of a historical resource, would result from the project relative to the 2010 FEIR findings.

4.5(b) (Archaeological Resources) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that compliance with mitigation measures 4.10.1a and 4.10.1b, as well as General Plan Actions CC.4.2.4 and 4.2.5, would ensure that subsequent development projects result in less than significant impacts to archaeological resources. In compliance with mitigation measure 4.10.1a, a Cultural Resources Study including a database review, records search, Tribal outreach, and archeological site survey to evaluate the site for evidence of cultural resources was conducted. During site assessment historic period artifacts were observed within the project area but appear to represent a concentration that would not constitute an archaeological resource. The Assessment concluded that there is a low potential for subsurface historic-period archaeological resources.

The project has complied with mitigation measure 4.10.1a from the 2010 FEIR by conducting a Cultural Resources Study, which recommends training of construction personal, monitoring by a qualified professional archaeologist, and procedures in the event that resources are encountered. In accordance with mitigation measure 4.10.1b of the 2010 FEIR and consistent with recommendations made by the Cultural Resources Study, environmental condition of approval (COA) **CUL-1** is imposed on the project. With implementation of

COA CUL-1, the project will result in less than significant impacts from a substantial adverse change in the significance of an archaeological resource. Therefore, no new significant impact or substantial increase in the severity of a previously identified impacts would result from the project relative to the 2010 FEIR findings.

4.5(c) (Discovery of Human Remains) No Substantial Change Relative to the 2010 FEIR: In the event that during ground disturbing activities, human remains are discovered, the project shall comply with mitigation measure 4.10.1c as imposed by **COA CUL-2**, which requires the immediate cessation of ground disturbing activities near or in any area potentially overlying adjacent human remains and contacting the City and County Coroner upon the discovery of any human remains. If it is determined by the Coroner that the discovered remains are of Native American descent, the Native American Heritage Commission shall be contacted immediately. If required, the project sponsor shall retain a City-qualified archeologist to provide adequate inspection, recommendations, and retrieval. Compliance with **COA CUL-2** as well as California Health and Safety Code Section 7050.5 and performance of actions therein will ensure that in the event of accidental discovery of historically significant remains the project will result in less than significant impacts. Therefore, no new significant impact or substantial increase in the severity of a previously identified impacts would result from the project relative to the 2010 FEIR findings.

Applicable 2010 FEIR Mitigation Measures

MM 4.10.1a The City shall include the following as an action in the Community Character Element of the General Plan Update. Cultural resources studies (i.e., archaeological, and historical investigations) shall be required for all applicable discretionary projects, in accordance with CEQA regulations, for areas not previously surveyed and/or that are sensitive for cultural resources. The studies should identify cultural resources (i.e., prehistoric sites, historic sites, and historic buildings/structures) in the project area, determine their eligibility for inclusion in the California Register of Historical Resources, and provide feasible and appropriate measures for the protection of any historical resources or unique archaeological resources to maximum extent feasible. Cultural resources studies should be completed by a professional archaeologist or architectural historian that meets the Secretary of the Interior's Professional Qualifications Standards in archaeology.

Status: Applicable. The project has complied with this measure by completing a Cultural Resources Study provided in Appendix C. Based on recommendations therein, the project is subject to COA CUL-1, set forth below.

MM 4.10.1b The City shall include the following as an action in the Community Character Element of the General Plan Update. Should any cultural resources such as structural features, unusual amounts of bone or shell, artifacts, or architectural remains be encountered during development activities, work shall be suspected within 50 feet of the discovery and the City of Pinole Community Development Department shall be immediately notified. At that time, the City will coordinate any necessary investigation of the discovery with an appropriate specialist (e.g., archaeologist or architectural historian). The project proponent shall be required to implement any mitigation necessary for the protection of cultural resources.

The City of Pinole and the project application shall consider mitigation recommendations presented by a qualified archaeologist or other appropriate technical specialist for any unanticipated discoveries. The City and the project applicant shall consult and agree upon implementation of a measure or measures that the City and applicant deem feasible and appropriate. Such measures may include avoidance, preservation in place, excavation, document, curation, data recovery, or other appropriate measures.

Status: Applicable. Based on the recommendations presented in the Cultural Resources Study, the project is subject to COA CUL-1, set forth below. COA CUL-1 ensures compliance with this measure.

MM 4.10.1c The City shall include the following as an action in the Community Character Element of the General Plan Update. If human remains are discovered, all work must halt within 50 feet of the find, the City of Pinole Community Development Department shall be notified, and the County

Coroner must be notified accordingly to Section 5097.98 of the California Public Resources Code and Section 7050.5 of California's Health and Safety Code. If the remains are determined to be Native American, the coroner will notify the Native American Heritage Commission and the procedures outline in CEQA Section 15064.5(d) and (e) shall be followed.

Status: Applicable. Based on the recommendations presented in the Cultural Resources Study and in compliance with California's Health and Safety Code, the project is subject to COA CUL-2, set forth below, ensuring compliance with this mitigation measure.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to archaeological resources relative to what was identified the 2010 FEIR. The project has complied with mitigation measure 4.10.1a through the preparation of a project specific Historic Evaluation and an Archaeological Assessment, which identifies the following recommendations, imposed as environmental conditions of approval:

COA CUL-1: To ensure the project does not result in impacts to buried archaeological resources onsite, if present, the following shall be implemented:

1. **Training**. Prior to commencement of ground-disturbing activities, a Secretary of Interior qualified archaeologist shall conduct a preconstruction Cultural Resource Awareness training for construction personnel. The training shall familiarize individuals with the potential to encounter prehistoric artifacts or historic-era archaeological deposits, the types of archaeological material that could be encountered within the project area, and procedures to follow in the event of a discovery. A representative from the Indian Canyon Mutsun Band of Costanoan shall be invited to participate in the training.
2. **Post-review Discoveries**. In the event that cultural resources are exposed during construction, all earth work occurring within 50 feet of the find shall be immediately stopped until a Secretary of Interior-qualified Archaeologist inspects the material(s), assess historical significance, and consults with Tribes and other stakeholders as needed. Recommendations for the treatment of the discovery from the Archaeologist will be provided to the City, Tribes, and other stakeholders.
3. **Archaeological Monitoring**. If cultural resources are exposed during ground-disturbing activities, a Secretary of the Interior-qualified archeologist shall be onsite to monitor ongoing ground-disturbing activities. The monitor shall have the authority to temporarily halt work to inspect areas as needed for potential cultural materials or deposits. Daily monitoring logs shall be completed by the monitor and submitted to the City within 60 days following completion of construction work. The report shall include the results of the monitoring program (even if negative), a summary of any findings or evaluation/data recovery efforts, and supporting documentation (e.g., daily monitoring logs).

COA CUL-2: In the event that human remains are encountered within the project area during project-related, ground-disturbing activities, all work must stop within 100 feet of the discovery area, the area shall be secured to prevent further disturbance, and the County Coroner shall be immediately notified of the discovery. If the County Coroner determines that remains are, or are believed to be Native American, then the Native American Heritage Commission must be contacted by the Coroner so that a "Most Likely Descendant" (MLD) can be designated to provide further recommendations regarding treatment of the remains. A Secretary of Interior-qualified Archaeologist should also evaluate the historical significance of the discovery, the potential for additional human remains to be present, and to provide further recommendations for treatment of the resource in accordance with the MLD recommendations. Federal regulations require that Native American human remains, funerary objects, and object of cultural patrimony are handed consistent with the requirement of the Native American Graves Protection and Repatriation Act.

4.6. ENERGY

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☐	☒
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to energy in Chapter 4.13 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.13.3- Development under the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase the consumption of energy associated with electrical, natural gas, and vehicle fuel. This is a less than cumulatively considerable impact.

Project Consistency with the 2010 FEIR

4.6(a-b) (Energy Consumption) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that the wasteful, inefficient, or unnecessary consumption of energy resources was a less than cumulatively considerable impact. The FEIR acknowledges that the development and operation of proposed office and industrial uses will increase energy consumption, but that new development will be more energy efficient pursuant to the requirements of building energy efficiency standards under the building code.

Development of the project would be subject to standard energy efficiency requirements in new construction. The subject project would be required to comply with the latest energy efficiency standards as well as other green building standards under Title 24, which is confirmed through the City's building permit review process and would be consistent with Policy SE 1.4 for meeting applicable green building standards. Through building permit review, the construction plans would be evaluated for inclusion of required green building features, consistent with state and local regulations for applying green building standards in new construction. The project would be required to comply with the requirements of the City's water efficient landscape ordinance, thereby minimizing energy needed to treat and convey water. Construction of the project is subject to the BAAQMD best management practices that requires minimizing idling time and maintaining construction equipment to manufacturer's specifications, which reduces consumption of fuel. As a development subject to the latest building code and construction standards, energy consumption of the project will not be wasteful or inefficient, nor will it obstruct a state or local plan for renewable energy.

The project is consistent with General Plan policies, such as Policy HS.5.2, to promote infill development along transit corridors and to locate jobs near public transportation and services, which can reduce automobile travel and fuel consumption. The project would introduce businesses and jobs to an area well developed with existing commercial, industrial, office, and residential uses.

Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to energy relative to what was identified in the 2010 FEIR. The project consists of development that is required to comply with the latest energy efficiency standards as a new construction and is consistent with the General Plan policies encouraging the location of employment opportunities near housing and transit. The project is subject to uniformly applied development standards including review of construction plans by building officials to verify compliance with the latest building codes. No environmental conditions of approval related to energy are required.

4.7. GEOLOGY AND SOILS

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☐	☒	☐
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; Preliminary Grading and Drainage Plans, prepared by Kister, Savio, & Rei, Inc., dated March 18, 2024; Geotechnical Exploration Report, prepared by KC Engineering, October 4, 2016; and Report of Testing and Observation During Super Pad Grading Operations, prepared by KC Engineering, October 31, 2019.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated the potential impacts related to geology and soils in Chapter 4.8 and determined the following.

- Impact 4.8.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in the construction of projects over a seismically active area. This is considered a less than significant impact.

- Impact 4.8.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in increased soil, wind, and water erosion and loss of topsoil, due to grading activities within the Planning Area. This is considered a less than significant impact.

- Impact 4.8.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) may result in construction in areas subject to landslides. This impact is less than significant.

- Impact 4.8.4- Implementation of the proposed (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would expose buildings, pavements, and utilities to significant damage as a result of underlying expansive or unstable soil properties. This is considered a less than significant impact.

- Impact 4.8.5- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with existing, planned, proposed, and reasonably foreseeable development, would not contribute to cumulative geologic, seismic, and soil impacts, as the impacts would be site-specific and not additive in character. Thus, this impact would be less than cumulatively considerable.

- Impact 4.10.2- Adoption of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the potential damage or destruction of undiscovered paleontological resources. This is considered a potentially significant impact that may be reduced to a less than significant impact with mitigation measure 4.10.2.

Project Consistency with the 2010 FEIR

4.7(a) (Seismic Hazards) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts from fault rupture, strong ground shaking, seismic-related ground failure, and landslides would be less than significant. The Pinole Shores II project site is not located within an Earthquake Fault Zone, as defined by the Alquist-Priolo Earthquake Fault Zoning Act, and no known active or potentially active faults exist on the site. The nearest active faults are the Pinole Fault and Hayward-Rogers Creek Fault located approximately 0.6 miles northeast and 2.9 miles southwest, respectively. Strong to very strong ground shaking could occur at the site during a large earthquake on one of the nearby faults. However, the risk of fault offset at the site from a known active fault and future faulting in areas where no faults previously existed is very low. Due to the project's location in the seismically active Bay Area region, as identified and considered in the 2010 FEIR, the site and the city as a whole have the potential to experience ground shaking in the event of an earthquake. The project is subject to construction standards established for seismic safety within the latest California Building Code, which would minimize the impact of ground shaking on new development.

The site is roughly flat and slightly undulating elevations ranges from 65 feet to 79 feet above sea level from north to south. The site was stripped, excavated, filled, graded, and compacted in 2019 to prepare a super pad for Phase 2 construction.

In accordance with Municipal Code Section 15.36.180, as well as General Plan Policy HS.3.1, a geotechnical report (**Appendix D**) was prepared for the project and a report of the super pad grading operations that were conducted in 2019 was provided (**Appendix D-1**). The project would implement the recommendations of the report and would be consistent with General Plan Policy HS.3.2, HS.3.3, and HS.3.4 that address geologic and seismic hazard mitigations in project design, which are confirmed during the building permit review process, as imposed through environmental **Condition of Approval GEO-1**. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.7(b) (Erosion) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that impacts from soil erosion would be less than significant. The project site has been previously graded and filled with engineered soils. Construction involves removing ruderal vegetation, surface grading, foundation excavation to a maximum depth of 7 feet, and introducing a new building, access aisles, parking, and landscaping. Best

management practices for soil erosion and sediment control are required to be applied during construction. Pursuant to Pinole Municipal Code Section 15.36.190, the project may be required to provide an Erosion and Sediment Control Plan. Therefore, environmental **Condition of Approval GEO-2** is imposed, which requires preparation and implementation of a final erosion and sediment control plan that is in compliance with all of the recommendations provided in the Geotechnical Exploration Report. Compliance with these conditions and the City of Pinole's uniformly applied development standards ensures that potential adverse effects of erosion during development are avoided. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.7(c) (Geologic Stability) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts from geologic or soil instability would be less than significant. The Geotechnical Exploration Report prepared for the project site by KC Engineering concluded that proposed improvements are feasible provided that recommendations are incorporated as part of project implementation. The Geotechnical Report identified the primary geotechnical concerns of the site to be related to variable thickness and composition undocumented fill and the need to provide an adequate foundation support for new structures. The report provides recommendations for site grading, foundation design, shoring design and construction, and seismic design. Further, the report provides that a qualified engineer should review the final project plans and specifications to verify conformance with recommendations and on-site verification by a field engineer during preparation, placement, and compaction of fill and installation of building foundations.

The project site was graded during development of Phase 1 of the Pinole Shores Industrial Business Park construction and the grading and compaction of the project site was observed and tested at that time by KC Engineering. Preparation of the site for the project would include surface grubbing, stripping of ruderal vegetation, surface compaction, and watering. As a standard part of the Building Permit review process, soils and geotechnical reports are required for new construction and recommendations. In accordance with Municipal Code Section 15.36.180, a geotechnical report was prepared, and recommendations therein imposed as **COA GEO-1**. Incorporation of the recommendations in the geotechnical report and review for building code compliance through the Building Permit process would ensure that the project would not result in impacts due to unstable geologic units or cause on- or off-site geologic impacts. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.7(d) (Expansive Soils) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that there would be less than significant impacts due to expansive soils. The site-specific geotechnical report identified expansive soils on the site and determined the proposed development was feasible with implementation of recommendations in the report. The project would be required to incorporate the recommendations of the geotechnical report per **COA GEO-1** and comply with building code standards for seismic safety including the treatment of expansive soils. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.8(e) (Septic Tanks) No Change Relative to the 2010 FEIR: The project would not include the use of septic tanks. Rather connection to the existing sewer line along San Pablo Avenue is proposed by the project. Therefore, the project would have no impacts due to the use of septic tanks.

4.9.(f) (Paleontological Resources) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts on unique geologic or paleontological resources would be less than significant with implementation of mitigation measure 4.10.2. The potential to uncover undiscovered paleontological resources was considered in the 2010 FEIR, and mitigation measure 4.10.2 was created to include a policy requiring work to be suspended within 50 feet of any discovered potentially unique paleontological resources and for the City to be contacted to coordinate further investigation. There are no known significant paleontological resources within the Pinole General Plan Planning Area. Nonetheless, in compliance with mitigation measure 4.10.2, the project is subject to environmental **Condition of Approval GEO-3**, which provides protocols to follow in the event that paleontological resources are encountered during construction activities. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

The following mitigation measures from the 2010 FEIR mitigation monitoring and reporting program apply to the project:

MM 4.10.2 The City shall include the following as an action in the Community Character Element of the General Plan Update. Should any potentially unique paleontological resources (fossils) be encountered during development activities, work shall be suspended within 50 feet of the discovery and the City of Pinole Planning Division of the Development Services Department shall be immediately notified. At that time, the City will coordinate any necessary investigation of the discovery with a qualified paleontologist. The project proponent shall be required to implement any mitigation necessary for the protection of paleontological resources.

The City and the project applicant shall consider the mitigation recommendations of the qualified paleontologist for any unanticipated discoveries. The City and the project applicant shall consult and agree upon implementation of a measure or measures that the City and project applicant deem feasible and appropriate. Such measures may include avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures.

Status: Applicable. Therefore, the project is subject to this mitigation measure, through COA GEO-3 below.

Conclusion and Environmental Conditions of Approval

The proposed project is within the scope of development projected under the General Plan and Three Corridors Specific Plan, and there would be no additional impacts to geology and soils beyond those analyzed in the 2010 FEIR. The following environmental conditions of approval would apply to the project to implement General Plan policies, Municipal Code requirements, and mitigation measure 4.10.2.

COA GEO-1: The applicant shall incorporate the recommendations of the Geotechnical Exploration Report prepared by KC Engineering (October 4, 2016) into construction drawings. Prior to issuance of a grading permit, the City shall review and accept the Geotechnical Report and verify that the Report provides adequate information for construction detail including detailed drainage, earthwork, foundation, and pavement recommendations. Final grading plan, construction plans, and building plans shall demonstrate that recommendations set forth in the geotechnical reports and/or to the satisfaction of the City Engineer/Chief Building Official have been incorporated into the design of the project.

Nothing in this condition of approval shall preclude the City Engineer and/or Chief Building Official from requiring additional information to determine compliance with applicable standards. The geotechnical engineer shall inspect the construction work and shall certify to the City, prior to issuance of a Certificate of Occupancy, that the improvements have been constructed in accordance with the geotechnical specifications.

COA GEO-2: Prior to issuance of a grading permit, an erosion control plan along with grading and drainage plans shall be submitted to the City Engineer for review. The project shall comply with stormwater management requirements and guidelines established by Contra Costa County under the Contra Costa Clean Water Program Stormwater C.3 Guidebook and incorporate Contra Costa County best management practices for erosion and sediment control for construction. All earthwork, grading, trenching, backfilling, and compaction operations shall be conducted in accordance with the City's Erosion Control requirements, Chapter 15.36.190 of the Municipal Code. Plans shall detail erosion control measures such as site watering, sediment capture, equipment staging and laydown pad, and other erosion control measures to be implemented during all construction activity and include all recommendations made in the Geotechnical Exploration Report to protect slopes from erosion.

COA GEO-3: Should any potentially unique paleontological resources (fossils) be encountered during development activities; work shall be suspended within 50 feet of the discovery and the City of

Pinole Planning Division of the Community Development Department shall be immediately notified. At that time, the City will coordinate any necessary investigation of the discovery with a qualified paleontologist. The project proponent shall be required to implement any mitigation necessary for the protection of paleontological resources. The City and the project applicant shall consider the mitigation recommendations of the qualified paleontologist for any unanticipated discoveries. The City and the project applicant shall consult and agree upon implementation of a measure or measures that the City and project applicant deem feasible and appropriate. Such measures may include avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures.

4.8. GREENHOUSE GAS EMISSIONS

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; BAAQMD 2017 Bay Area Clean Air Plan; and BAAQMD CEQA Guidelines April 2022; and Air Quality and Greenhouse Gas Assessment, prepared by Illingworth & Rodkin, Inc., April 25, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated the potential impacts related to greenhouse gas emissions in Chapter 4.13 and determined the following.

- Impact 4.13.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in greenhouse gas emissions that would not be anticipated to conflict with the goals of AB 32 nor result in a significant impact on the environment. This is a less than cumulatively considerable impact.

- Impact 4.13.2- Environmental effects of climate change are not currently expected to result in adverse impacts to the General Plan Update Planning Area. This is a less than cumulatively considerable impact.

- Impact 4.13.3- Development under the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase the consumption of energy associated with electrical, natural gas, and vehicle fuel. This is a less than cumulatively considerable impact.

Project Consistency with the 2010 FEIR

4.8(a) (Greenhouse Gas Generation) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that greenhouse gas emissions at buildout of the General Plan would be a less than significant impact. The greenhouse gas emissions (GHG) generated by the project would occur during construction and operation. Construction impacts would consist primarily of emissions from equipment exhaust and worker and vendor trips. Operational emissions would be associated with site activities and ongoing uses including vehicle workers trips, deliveries, energy and water usage, and solid waste disposal.

The Air Quality and Greenhouse Gas Analysis (**Appendix A**) prepared for the project estimates that 137 MT of CO2 would be emitted over the construction period. Neither the City nor BAAQMD have an adopted threshold of significance for construction related GHG emissions. However, the BAAQMD recommends best management practices to reduce GHG emissions during construction. The project would be required to comply with COA AQ-1, which imposes the latest BAAQMD best management practices, and is consistent with mitigation measure 4.3.2. FEIR mitigation measure 4.3.2 requires that all construction projects implement the BAAQMD Basic Construction Mitigation Measures. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR from construction related GHG emissions.

With respect to operational emissions, BAAQMD adopted new thresholds of significance for operational GHG emissions from land use projects on April 20, 2022. The City is currently in the process of adopting a Climate Action and Adaptation Plan (CAAP) with the intention of reducing emissions to 40 percent below 1990 levels

by 2030. Once adopted, the CAAP will be considered a qualified GHG reduction strategy that meets the State CWQA Guidelines Section 15183.5. As the plan has not yet been adopted, the BAAQMD's significance thresholds are applicable.

Table 3. BAAQMD Operational Significance Thresholds and Project Compliance

Design Element Standard	Project Compliance
A.a.i. The project will not include natural gas appliances or natural gas plumbing (in both residential and non-residential development).	**Complies.** The project will not be plumbed with natural gas.
A.a.ii. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.	**Complies.** The project will meet CALGreen Building Standard Code requirements that are considered to be energy efficient.
A.b.i. Achieve a reduction in project-related vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT targe, reflecting recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA – 15 percent below the existing VMT per employee for Office projects.	**Complies.** The existing region-wide average VMT per employee is 15.6. The project's VMT per employee was computed to be 12.8 (Appendix H) which is 18 percent below 15.6.
A.b.ii. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.	**Complies.** The project is subject to environmental condition of approval **GHG-1**, which requires that the number of EV and EV-capable parking spaces comply with CALGreen Tier 2.
B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA to be considered in compliance with BAAQMD's GHG thresholds of significance.	This standard does not apply as there is no qualifying local GHG reduction strategy at this time.

Pinole Municipal Code Table 17.48.050-1 indicates that 1 space per 1,000 square feet of gross floor area plus 1 space per four employees is required for development that includes warehousing, wholesaling, research, and other industrial uses. The project is providing 121,674 square feet of floor area and anticipates about 60 to 100 employees and, therefore, pursuant to Pinole Municipal Code, must provide 147 parking spaces. For a project that requires between 101 and 150 parking spaces, CALGreen Tier 2 requires that 57 parking spaces be furnished with conduit for future conversion to EV charging spaces, and that 19 spaces be installed with Electric Vehicle Service Equipment (charging stations). This is imposed through COA GHG-1, which requires EV compliance pursuant to CALGreen Tier 2.

General Plan Policy SE.3.1 states that the City will reduce its contribution to climate change and mitigate and adapt to the effects of climate change by reducing greenhouse gas emissions. SE.3.4 calls for the City of Pinole to reduce GHG emissions by reducing vehicle miles traveled and by increasing or encouraging the use of alternative fuels and transportation technologies. Policy SE 7.5 requires that air quality be maintained and improved by requiring project mitigation, such as Transportation Demand Management (TDM) techniques,
Through implementation of City of Pinole policies and by imposing COA GHG-1, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.8(b) (Conflict with Plans) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan and Three Corridor Specific Plan would have a less than significant cumulatively considerable impact with relevant policies and actions in the General Plan. The project is consistent with the General Plan and Three Corridors Specific Plan as a light industrial infill development located

along the San Pablo Avenue corridor within a priority development area (PDA) pursuant to the Sustainable Community Strategy (SCS).

Furthermore, the proposed building would be constructed in conformance with CALGreen and the Title 24 Building Code, which requires high-efficiency water fixtures, water-efficient irrigation systems, and compliance with current energy efficiency standards. As such, the project would not conflict or otherwise interfere with the statewide GHG reduction measures identified in CARB's Scoping Plan. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

The following mitigation measures from the 2010 FEIR mitigation monitoring and reporting program apply to the project:

MM 4.3.2 The proposed General Plan Update shall include a policy that would require the use of BAAQMD-approved criteria air pollutant reducing Basic Construction Mitigation Measures to all future construction projects within the GPU Planning Area where feasible whether or not construction-related emissions exceed applicable Thresholds of Significance.

Status: Applicable. The project shall comply with the latest BAAQMD best management practices, which is imposed by COA AQ-1.

Conclusion and Environmental Conditions of Approval

The proposed project is within the scope of development projected under the General Plan and Three Corridors Specific Plan, and there would be no additional impacts from greenhouse gas emissions beyond those analyzed in the 2010 FEIR. The project shall implement COA AQ-1 to apply BAAQMD best management practices that minimize construction-related emissions to comply with mitigation measure 4.3.2 and the following environmental conditions of approval shall apply to the project to implement General Plan policies and Municipal Code requirements.

COA GHG-1: The project shall comply with CALGreen Tier 2 EV parking requirements by incorporating the appropriate number of EV and EV capable parking spaces for the project size and type (e.g. for 101-150 parking stalls, there would need to be 19 stalls equipped with EVSE and 57 pre-plumbed with conduit for future installation of EVSE). As a warehouse project with more than 3 off-street loading spaces, the project shall install 400 KVA of additional raceway conduit and electrical panel capacity to accommodate the future charging of medium- and heavy-duty zero emissions vehicles as required by Section 5.106.5.4.1 of the CALGreen Building Standards Code.

4.9. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☐	☒
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☐	☒
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; Phase 1 Environmental Site Assessment Report, prepared by AEI Consultants, September 2, 2022; Soil Management Plan, prepared by Levine-Fricke, October 3, 2002; and Contra Costa County Local Hazard Mitigation Plan, January 2018.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Hazards and Human Health in Chapter 4.6 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.6.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could include the routine transportation, use, or disposal of hazardous materials on the Planning Area Transportation network. This is considered a less than significant impact.

- Impact 4.6.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could include land uses that have the potential to result in an increased risk of release of hazardous materials. This is considered a less than significant impact.

- Impact 4.6.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could consist of land uses having the potential to result in an increased risk of release of hazardous materials. This is considered a less than significant impact.

- Impact 4.6.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could impair implementation of or physically interfere with the City's Emergency Operations Plan (EOP). This is considered a less than significant impact.

- Impact 4.6.5- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not cumulatively contribute to regional hazards. This is less than cumulatively considerable.

Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) was conducted for the Pinole Shores II Project site in September of 2022, in conformance with the scope and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries 'AAI' (40 CFR Part 312). (**Appendix E**). The Phase I ESA discusses the Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs), Historical Recognized Environmental Conditions (HRECs), and other environmental considerations (OECs) of the project site. The Phase I ESA included review of regulatory information, records research, and a site reconnaissance of the project site and neighboring properties on August 30, 2022.

The Phase I ESA did not identify RECs, HRECs, or OECs during the course of the assessment. CRECs were identified on the project site and the adjoining site to the south which were collectively operated as an auto wrecking facility between 1958 and 1992. The auto wrecking facility was equipped with two 1,000-gallon gasoline underground storage tanks (USTs) used to store new fuel and fuel recovered from vehicles. The USTs were located approximately 500 feet to the south of the subject property and were the subject of a Remedial Action Plan (RAP) project completed in 2002. The project involved removal of the tanks, excavation of approximately 1,000 cubic yards of impacted soils, purging of approximately 6,000 gallons of groundwater, and the addition of 500 pounds of Oxygen Release Compounds (ORCs) in the area to degrade any residual hydrocarbon residues.

A Cleanup Program Site (CPS) case (also known as Spills, Leaks, Investigations, and Cleanups (SLIC)) was opened in 2002 by the Regional Water Quality Control Board (RWQCB) to oversee the remediation of motor oil and lead-impacted soils, which included a portion of the subject property. In 2002 a total of 2,800 tons of lead-impacted soils were removed to 2 feet below the ground surface from an area of the subject property and an area of the adjoining property of the established Pinole Shores Business Park. Soil samples of the project site found that concentrations of lead are below the environmental screening levels (ESL) for commercial and industrial uses. Lead concentrations remain above ESLs for residential uses and though the CPS case process, the project site was granted closure in 2002, and a Covenant and Environmental Restriction was placed on the deed to prohibit hospitals, day care centers, or residences from being placed on the property. Residual lead over 255 mg/kg represents a CREC and recommendations to inform and protect construction crew and future tenant safety are provided.

Project Consistency with the 2010 FEIR

4.9(a-b) (Routine Transport, Upset and Accident Involving Release) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that implementation of the Three Corridors Specific Plan would result in the use, storage, and transport of hazardous materials, that accidental release could constitute a hazard to the public or the environmental, and that compliance with local, state, and federal regulation would ensure impacts are less than significant.

Grading and construction activities of the subject Pinole Shores II Project will result in the temporary presence of potentially hazardous materials including, but not limited to, fuels and lubricants, paints, solvents, insulation, electrical wiring, and other construction related materials onsite. Although potentially hazardous materials may be present onsite during construction, the project is required to comply with all existing federal, state, and local safety regulations governing the transportation, use, handling, storage, and disposal of potentially hazardous

materials. During operation of the project hazardous materials may be present or used onsite in accordance with permitted uses of an Office Industrial (OIMU) zoned parcel. Any transportation, use, handling, storage, and disposal of potentially hazardous materials used by the tenants of the project will be regulated by federal, state, and local safety regulations.

Additionally, prior to the commencement of site preparation, a Storm Water Pollution Prevention Plan (SWPPP) that includes Best Management Practices will be prepared and implemented during all construction activities. Accordingly, the impact of hazards to the public or the environment through the routine transport, use, or disposal of hazardous materials from the proposed project would be less than significant. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(c) (Emit or Handle Hazardous Material within ¼ Mile of School Sites) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that the implementation of the Three Corridors Specific Plan would result in a less than significant impact due to the release and exposure of hazardous material onto school sites.

The nearest public schools are Shannon Elementary, located approximately one mile southwest of the project Site. West County Mandarin School and Pinole Middle School are located approximately one mile south of the project Site. The Spectrum Center School Tara Hills Campus is located approximately one mile west on San Pablo Avenue. Nearby schools are more than ¼ mile away from the project site, and there are no activities associated with the proposed project that would pose a threat to schools from the release or handling of hazardous materials. As such, the project would not result in a substantial increased risk of exposure to existing schools. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(d) (Existing Hazardous Materials Sites) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that implementation of the Three Corridors Specific Plan would result in less than significant impacts due to release and exposure of hazardous materials.

In accordance with Action HS.3.5.4, which directs that at the time of new development, any known or discovered hazardous materials should be cleaned up and mitigated, a Phase I Environmental Site Assessment (ESA) was prepared. The Phase I ESA identified CRECs associated with past uses of the site as an auto wrecking facility including lead contaminated soils and residual gasoline fuel from leaking underground storage tanks. The storage tanks were removed, gasoline-impacted soils were excavated and removed, and residues were remediated in 2002. Lead impacted soils were stripped down to a depth of 2 feet below ground surface. The project site was filled and graded with 2 to 12 feet of fill material and lead-impacted soils are buried below the fill. Remaining soils were tested and confirmed to be below EST for industrial uses such as the uses proposed by the project.

A Covenant and Environmental Restriction is in place that prevents the site from being used for activities that would locate sensitive receptors in proximity to lead impacted soils and requires that owners and occupants comply with a Soil Management Plan contained in Exhibit B of the Covenant. The Regional Water Quality Control Board (RWQCB) reviewed and approved the Soil Management Plan in 2002. The RWQCB was invited to review the proposed project in 2022 by the City and confirmed that the Soil Management Plan represents current best practices for lead contaminated sites and does not need to be updated or modified. **Condition of Approval HAZ-1** requires that the Soil Management Plan developed by Levine-Fricke and reviewed by the RWQCB in 2002 and 2022 be implemented during project construction and operation. With the implementation of COA HAZ-1, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(e) (Public Airport Land Use Plans) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that no impacts related to airports or airstrips would occur as no airports are located within or proximate to the planning area. The subject project site is not located within the boundaries of an airport land use plan, nor is it located in proximity to a private airstrip. The nearest airports are the San Rafael Airport, approximately 12 miles west, and Buchanan Field Airport, approximately 14 miles east, from the project site. Accordingly, no impacts associated with airport-related hazards will result from the project. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(f) (Impair Emergency Response Plan) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that the Three Corridors Specific plan would not impair implementation of or physically interfere with the City's Emergency Operations Plan (EOP) and impacts would be less than significant. The City of Pinole responds to emergencies in accordance with the adopted Emergency Operations Plan and provides emergency preparedness information through Pinole Ready including alerts, response, recovery, and mitigation.

As an office and industrial development generally consistent with the Three Corridors Specific Plan, none of the proposed project improvements are expected to impair the implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan. The project includes adequate onsite access to accommodate emergency vehicles, and driveway/drive aisle width and turning radii that accommodate access for emergency vehicles. Furthermore, the Fire Department has reviewed the project, including proposed emergency vehicle access and circulation plan, in accordance with General Plan Action HS.4.1.3, and determined that improvements would not impair movement of emergency vehicles and equipment. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(g) (Wildland Fire Hazards) No Change Relative to the 2010 FEIR: No impacts related to wildland fire hazard would occur as the project area is largely surrounded by urban development and roadways and is not adjacent to a wildland urban interface fire hazard area. The project site is categorized as a Non-VHFHZ (Very High Fire Hazard Zone) by CAL FIRE and surrounded by land designated as Non-VHFHZ on all sides. Based on the site's location outside of a designated fire hazard zone and the proximity of the site to existing fire stations (1-3 miles), there would be no impacts related to the exposure of people or structures to a significant risk of loss, injury, or death involving wildland fires. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to human health caused by hazards or hazardous materials relative to what was identified the 2010 FEIR. The project is generally consistent with the General Plan and the Three Corridors Specific Plan by introducing office and light industrial development on an underutilized parcel. The following environmental conditions of approval are imposed in compliance with the General Plan Actions and Policies/Goals set forth in the Three Corridors Specific Plan regarding hazardous materials and waste:

COA HAZ-1: The Soil Management Plan (SMP) approved by the RWQCB in 2002 shall be implemented during the project construction. The SMP shall be the subject of construction worker trainings for all personnel involved in ground-disturbing activities prior to commencement of construction and for all incoming workers. A condensed version of SMP protocols shall be posted publicly and prominently at construction site gathering places and entry points.

4.10. HYDROLOGY AND WATER QUALITY

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and Stormwater Control Plan (SWCP), prepared by Kister, Savio, & Rei Inc., December 7, 2021; FEMA FIRM maps, accessed June 2022; and Department of Conservation Tsunami Hazard Area Map, accessed June 2022.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated the potential impacts related to hydrology and water quality in Chapter 4.9 and determined the following.

- Impact 4.9.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the discharge of polluted runoff during construction and operation of future urban development potentially violating water quality standards or otherwise substantially degrading surface water quality. This is considered a potentially significant impact that may be reduced to less than significant with implementation of mitigation measure 4.9.1.

- Impact 4.9.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the degradation of groundwater quality resulting from construction and operation of future urban development. This is considered a less than significant impact.

- Impact 4.9.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase impervious surfaces and alter drainage conditions and rates in the Planning Area, which could result in increased runoff and potential flooding impacts. This is considered a less than significant impact.

- Impact 4.9.5- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) and its associated project components could create or contribute stormwater runoff water which would exceed the capacity of the City's stormwater drainage system. This is considered a less than significant impact.

- Impact 4.9.6- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in the development of urban uses within areas subject to flooding, dam failure inundation, and/or sea level rise. This is considered a potentially significant impact

that may be reduced to less than significant with implementation of mitigation measures 4.9.6a, b, and c.

- Impact 4.9.7- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with other development activities within the watershed, would contribute to a cumulative degradation of water quality from construction activities and increased urban runoff. This is considered a potentially cumulatively considerable that may be reduced to less than cumulatively considerable with implementation of mitigation measure 4.9.1.

- Impact 4.9.8- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could increase impervious surfaces and alter drainage conditions and rates in the Planning Area, which could contribute to cumulative flood conditions in the Pinole Creek watershed and San Pablo Bay. This is cumulatively considerable that may be reduced to less than cumulatively considerable with implementation of mitigation measures 4.9.1, 4.9.6a, 4.9.6b, and 4.9.6c.

Stormwater Regulation

The State Water Resources Control Board is responsible for implementing the Clean Water Act and has issued a statewide General Permit for construction, which acts to minimize pollutant runoff to surface waters and groundwater. The San Francisco Bay Regional Water Quality Control board is the regional entity facilitating regional implementation and has issued a Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) permit to Contra Costa County and its 19 cities. The NPDES permit applies to development projects and establishes runoff requirements. The City's coverage under the NPDES requires compliance with the Contra Costa Clean Water Program Stormwater C.3 Guidebook to protect water quality, which includes implementing best management practices (BMP) to control runoff pollutants and guidance on Low Impact Development (LID) to management stormwater on site. Further, these requirements for stormwater control under the NPDES permit are integrated into the Pinole Municipal Code as Chapter 8.20. The City of Pinole Department of Public Works has jurisdiction over stormwater management in the city and is a co-permittee of the Contra Costa County Clean Water Program.

Project Consistency with the 2010 FEIR

4.9(a) (Discharge) No Substantial Change Relative to the 2010 FEIR: Based on the analysis in the 2010 FEIR, implementation of the General Plan and Three Corridor Specific Plan would have a potentially significant impact due to discharge of polluted runoff that may be reduced to less than significant with implementation of mitigation measure 4.9.1a.

The project is required to implement applicable requirements for stormwater control and apply best management practices to the project's management of stormwater on site, in compliance with Pinole Municipal Code Chapter 8.20. Compliance with municipal code requirements is a standard condition of approval for construction, which has been incorporated as environmental **condition of approval HYD-1**. With adherence to the municipal code, imposed through COA HYD-1, the project satisfies mitigation measure 4.9.1. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(b) (Groundwater) No Substantial Change Relative to the 2010 FEIR: Based on the analysis in the 2010 FEIR, implementation of the General Plan and Three Corridor Specific Plan would have a less than significant impact to degradation of groundwater and no impact on the extraction of groundwater. The intensification of uses in the Specific Plan area was determined to potentially result in the increase in runoff containing pollutants that could degrade groundwater quality.

Implementation of General Plan policies, Municipal Code, and applicable requirements from the Contra Costa Clean Water Program Stormwater C.3 Guidebook were identified as measures that would reduce impacts to groundwater. The proposed Pinole Shores II Project would comply with these requirements pursuant to COA HYD-1. The project does not involve the extraction and use of groundwater. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(c)(i-iv) (Drainage Pattern) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts due to increase in impervious surfaces and alteration of drainage conditions, as they relate to erosion, runoff, and drainage flow would be less than significant with the implementation of General Plan policies and mitigation. Implementation of General Plan policies, Municipal Code, and applicable requirements from the Contra Costa Clean Water Program Stormwater C.3 Guidebook were identified as measures that would reduce impacts to less than significant levels. The project would comply with these requirements and will be subject to COA HYD-1.

Impact of increases in impervious surface associated with this land use were analyzed in the 2010 FEIR and found to have less than significant impact with implementation of General Policy OS.8.4 and related actions. The project would result in an increase of impervious area on site as anticipated by the General Plan. In accordance with Action OS.8.8.6, all stormwater and runoff from impervious surfaces of the project will be treated and infiltrated by bioretention areas distributed throughout the project site.

The City is served by an existing storm drain system, and the City Engineering Division confirms infrastructure capacity for new developments. As new development has the potential to incrementally increase the use of storm drains, the City has established development impact fees levies on new developments to contribute to any needed new or expanded infrastructure. Payment of development impact fees, as well as review of final drainage plans, is a requirement in the building permit process. Development impacts fees are used to maintain and build out the city's storm drain system as planned. The project is consistent with the development potential analyzed in the 2010 FEIR. The Preliminary Stormwater Plan includes storm drain infrastructure onsite which directs all stormwater to bioretention flow-through bioswales. The bioswales and site stormwater overflow drain to existing storm drain infrastructure at the northeastern extent of the site. COA HYD-1 requires that prior to issuance of a grading permit, the Stormwater Management Plan for the project be prepared to that satisfaction of the City Engineer to ensure adequate onsite drainage, retention and offsite conveyance in compliance with the Clean Water Program. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(d) (Flood Hazard, Tsunami, or Seiche Zones) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan and Specific Plan would have a potentially significant impact to flood hazards that may be reduced to less than significant with mitigation measures 4.9.6a, 4.9.6b, and 4.9.6c.

The project is not expected to be impacted by flood hazards. As presented in the National Flood Hazard Layer FIRM maps accessed from the Federal Emergency Management Agency (FEMA) in June of 2022, the site is located in Zone X, outside of the Special Flood Hazard Areas. The project site is not located on the shoreline and is not subject to associated risk of flooding in these areas. Tsunamis and seiches were not identified as significant flood hazards that may affect the project. San Francisco Bay significantly attenuates tsunamis before they reach Pinole, and the project is located approximately 500 feet from the shoreline at over 65 feet of elevation. The site is not located in a tsunami hazard area, as shown in the California Department of Conservation Tsunami Hazard Area Map, accessed June of 2022. As a result, there is no substantial risk of flood hazards, tsunamis, or seiches causing release of pollutants due to project inundation.

Mitigation measures 4.9.6a, 4.9.6b, and 4.9.6c set forth in the 2010 FEIR address the impacts of sea level rise. However, the site is not located in an area identified as a shoreline area vulnerable to sea level rise according to Figure 4.9-4 of the 2010 FEIR, and the corresponding mitigation measures are not appliable to the project. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.9(e) (Water Quality Control and Sustainable Groundwater) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that new development would be required to adhere to local, state, and federal agency requirements, and that with mitigation measure 4.9.1 and compliance with water quality regulation including NPDES requirements, potential impacts to water quality would be reduced to less than significant levels.

The project would meet this requirement through compliance with procedures under Chapter 8.20 of the Municipal Code, as identified in COA HYD-1, and would, therefore, not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Furthermore, in accordance with

General Plan Action OS.8.8.2, the project is subject to **condition of approval HYD-2**, which requires compliance with the City's NPDES permit including preparation and implementation of an approved Stormwater Pollution Prevention Plan (SWPPP). Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

MM 4.9.1 General Plan Action HS.2.1.3 shall be revised as follows: Establish land use controls for properties that abut Pinole Creek in order to minimize potential conflicts between flood, resource protection and recreational goals. Adopt new development regulations that require applications for new development projects to adhere to pertinent local, state, and federal agency requirements. City Development regulation for properties that abut the Creek shall specify appropriate land uses and ensure that new projects will take into account issues including flow velocity, sediment load, and volume within Pinole Creek.

Status: Applicable. The project is not adjacent to Pinole Creek. Stormwater from the project site would flow to San Pablo Bay via site stormwater drains. Nonetheless, the project is required to adhere to local, state, and federal regulations on stormwater management. Compliance with the Pinole Municipal Code, under Chapter 8.20, requires implementation of best management practices. Application of the latest guidance on best management practices from Contra Costa Country, including the Contra Costa Clean Water Program Stormwater C.3 Guidebook, is a standard condition of new development and has been imposed as environmental COA HYD-1.

MM 4.9.6a The City of Pinole shall work with the Bay Conservation and Development Commission (BCDC) to implement strategies to adapt to Bay-related impacts of climate change. The City shall work with BCDC to develop a vulnerability analysis for its shoreline and to address shoreline management issues that cross jurisdictional boundaries.

Status: Not Applicable. The project is not located within 100 feet of the shoreline and is not located in an area identified as a shoreline area vulnerable to sea level rise in the 2010 FEIR.

MM 4.9.6b The City will continue to implement the Municipal Code flood protection standards for development within a FEMA-designated Special Flood Hazard Area and will coordinate with FEMA and other agencies in the evaluation and mitigation of future flooding hazards that may occur as a result of sea level rise.

Status: Not Applicable. The project is not located in a flood hazard area.

MM 4.9.6c The City shall pursue funding for adequate protection from sea level rise and continued subsidence and construction in areas threatened by sea level rise and/or settlement.

Status: Not Applicable. The project is not located in an area identified as a shoreline area vulnerable to sea level rise in the 2010 FEIR.

Conclusion and Environmental Conditions of Approval

The proposed project is within the scope of development projected under the General Plan and Three Corridors Specific Plan, and there would be no additional impacts to hydrology beyond those analyzed in the 2010 FEIR. The following environmental conditions of approval would apply to the project to implement requirements of the 2010 FEIR mitigation measures.

COA HYD-1: Prior to issuance of a grading permit, the applicant shall prepare a design-level Stormwater Management Plan that incorporates stormwater management requirements and best management practices, per Pinole Municipal Code Chapter 8.20 and Contra Costa County Clean Water Program requirements, including the Contra Costa Clean Water Program Stormwater C.3 Guidebook and demonstrates that the storm drain system has adequate capacity to serve the project. The Stormwater Management Plan shall be reviewed and accepted by the City Engineer.

COA HYD-2: Prior to issuance of a grading permit, the applicant shall file a Notice of Intent with the RWQCB and demonstrate compliance with the Statewide General Permit for Construction Activities.

In accordance with the National Pollution Discharge Elimination System (NPDES) regulations, the applicant shall prepare and implement a project-specific Stormwater Pollution Prevention Plan, including an erosion control plan, for grading and construction activities. The SWPPP shall address erosion and sediment control during all phases of construction, storage and use of fuels, and use and clean-up of fuels and hazardous materials. The SWPPP shall designate locations where fueling, cleaning and maintenance of equipment can occur and shall ensure that protections are in place to preclude materials from entering into storm drains or the offsite drainage to the east. The contractor shall maintain materials onsite during construction for containments and clean-up of any spills. The applicant shall provide approval documentation from the RWQCB to the City verifying compliance with NPDES.

4.11. LAND USE AND PLANNING

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and City Council Resolution No. 2018-02.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Land Use in Chapter 4.1 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.1.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not physically divide an established community. This is considered no impact.

- Impact 4.1.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not result in conflicts with relevant land use planning documents within and adjacent to the City of Pinole. This is considered a less than significant impact.

- Impact 4.1.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could create incompatibilities between existing and future land uses within the City of Pinole. This is considered a less than significant impact.

- Impact 4.1.4- When considered with existing, proposed, approved, and reasonably foreseeable development in the region, implementation of the proposed project has the potential to contribute to cumulative land use conditions, resulting in significant impacts to the physical environment. The proposed project would have a less than cumulatively considerable contribution to this impact.

Project Consistency with the 2010 FEIR

4.1(a) (Physically Divide Community) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that the General Plan and Three Corridors Specific Plan create a refinement of the established urban form and allow for more intensive, concentrated development; implementation does not divide or separate a portion of the community. As a proposed warehousing and light industrial use, the project is consistent with the land use designation (as amended by Ordinance No. 2018-02) of the site. The project is compatible with surrounding uses including existing industrial and office land uses to the south and west. The northern boundary is bordered by the BNSF railway. Residential uses are located to the east. Development of the site would not alter access to any existing residential developments or communities. There are no established pedestrian routes through the site, though sidewalks are provided along San Pablo Avenue. Therefore, the project will not physically divide a community or result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.1(b) (Conflict with Land Use) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined impacts to be less than significant with implementation of General Plan policies.

General Plan and Three Corridors Specific Plan
The project site is designated Service Sub-Area (SSA) on the City's General Plan Land Use map. The SSA is

intended to maintain and enhance existing land uses while providing land use flexibility and incentives to encourage new private investment and development. The emphasis of the San Pablo Avenue Corridor subarea is to preserve land for manufacturing and industrial uses, particularly “green industry”. This SSA serves as a transition between the Mixed-Use Subarea and the western City limits of Pinole. It is intended to embrace the area’s historic character as an industrial area while moving towards newer cleaner industry and allowing land use flexibility. The 2010 FEIR found that policies contained in the General Plan would serve to mitigate land use conflict impacts. General Plan Policy LU.3.3 requires design review of all industrial projects to ensure compatibility with nearby land uses and provide a discretionary mechanism to apply project-level requirements that avoid environmental impacts through Action LU.3.3.1 which directs the City to adopt Commercial and Industrial Design Review policies and procedures. Policy OS.3.6 requires development to minimize impacts on the City’s biological, visual, and cultural resources. Policy LU.4.3 requires site development constraints to be addressed to protect natural resources, archaeological sites, access, traffic, emergency services, water and sewer availability, grading impacts, and views.

The project is in compliance with these policies. In consideration of the predominantly industrial and office design of the nearest buildings the project proposes similar exterior finishes, fenestration primarily limited to the office areas, exterior landscaping that is similar to that of the rest of the Pinole Shores Business Park, and circulation that connects with the surrounding development. It is compatible with nearby land uses and does not create environmental impacts that are in excess of those identified and addressed in the 2010 FEIR. The project has no impacts on open spaces and site constraints have been addressed through site design to eliminate or reduce below significance all impacts to natural resources, access and traffic safety, grading, and views. Therefore, the project will not result in a new significant impact due to land use conflicts or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Zoning
The project is located on a site with the Office Industrial Mixed Use (OIMU) zoning designation. The OIMU designation is intended for office and light industrial uses with supporting retail and service uses. The Pinole Shores II Project proposes one light industrial building containing ancillary office use areas. The building will have 116,730 square feet of industrial/warehouse space, 2,498 square feet of office space (2.1 percent of the gross), and 2,498 square feet of mezzanine area. The proposed development is intended for light industrial, wholesaling, distribution, office, warehouse, or research and development uses pursuant to the OIMU zoning designation. Therefore, the project will not result in a new significant impact due to zoning conflicts or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Housing
The project site does not possess land use or zoning designations that would allow for housing, and it has not been identified as a housing opportunity site. The project will not conflict with a current or future residential use because there is a Covenant and Environmental Restriction placed upon the deed to the site prohibiting any use other than office and industrial. The site is impacted by lead in the soils from previous uses as an auto wrecking facility. While the lead has been remediated to levels appropriate for office and industrial use, it is above the environmental screening levels for residential, hospital, or day care uses and is therefore unsuitable as a site for housing.

Therefore, the project will not result in a new significant impact due to removing a vacant parcel from the inventory of sites available for housing or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any new or more severe impacts to land use relative to what was identified in the 2010 FEIR. The project consists of development consistent with the OIMU land use designation as described in the General Plan and Three Corridors Specific Plan.

4.12. MINERAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Sources: City of Pinole General Plan and EIR.

General Plan and Specific Plan EIR Findings

The 2010 FEIR did not identify any known significant mineral resources of value to the region and residents of the state within the city.

Project Consistency with the 2010 FEIR

4.12(a-b) (Mineral Resources) No Change Relative to the 2010 FEIR: The City does not contain known significant mineral resources of value. As such, the project would result in no impact to mineral resources. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any new or more severe impacts to mineral resources relative to what was identified in the 2010 FEIR.

4.13. NOISE

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; Noise and Vibration Assessment, prepared by Illingworth & Rodkin, April 22, 2024; Traffic Impact Analysis, prepared by Fehr & Peers, dated April 24, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Noise in Chapter 4.5 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.5.1- The proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance or of applicable standards of other agencies. However, the proposed Pinole General Plan Update's mitigating policies and actions ensure the impact will be less than significant. Therefore, noise impacts associated with the development and operation of land uses of the proposed General Plan Update would be less than significant.

- Impact 4.5.2- Construction activities associated with the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project and could result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance or of applicable standards of other agencies. This impact would be considered less than significant with the implementation of General Plan policies and action items including Policy HS.8.1 and Actions HS.8.1.1, HS.8.1.2, HS.8.1.5.

- Impact 4.5.3- The proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project and could result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan, as a result of increased traffic on the roadway network. In addition, future development of noise-sensitive land uses could be exposed to roadway and/or railroad noise levels in excess of the City's noise standards. This impact would be considered potentially significant even with the application of Policies HS.8.1, HS.8.3, and Actions HS.8.1.2 and HS.8.1.3. With implementation of mitigation measures 4.5.3a and 4.5.3b, the impact would be less than significant.

- Impact 4.5.4- Sensitive land uses would not be exposed to aircraft noise in excess of applicable noise standards for land use compatibility. This is considered a less than significant impact.

- Impact 4.5.5- Subsequent development associated with the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in new noise-sensitive land uses encroaching upon existing or proposed stationary noise sources or new stationary noise sources encroaching upon existing or proposed noise-sensitive land uses. This could result in a substantial permanent increase in ambient noise levels in the project vicinity above existing levels or could result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance or of applicable standards of other agencies. As a result, this impact is considered potentially significant. With implementation of General Plan policies and mitigation measures 4.5.3a and 4.5.3b, the impact would be less than significant.

- Impact 4.5.6- The proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in exposure of persons to or generation of excessive groundborne vibration levels. As a result, this impact is considered potentially significant. With implementation of mitigation measure 4.5.6, the impact would be less than significant.

- Impact 4.5.7- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with other development in nearby areas in Contra Costa County, would increase transportation noise along area roadways as a result of concentrating high density residential and commercial activities along major corridors. General Plan Policies HS.8.1 and HS.8.3 and Actions HS8.1.2 and HS.8.1.3 as well as Three Corridors Specific Plan Chapter 5.0 will reduce this impact, but it would remain a cumulatively considerable, significant impact and is unavoidable through mitigation. Resolution 2010-88 adopted a statement of overriding consideration for this significant and unavoidable impact citing economic and sustainability benefits to co-locating employment opportunities near to residential development along transit corridors and creating diverse mixed-use neighborhoods where residential and non-residential uses interact.

Project Consistency with the 2010 FEIR

4.13(a) (Increase in Ambient Noise) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that implementation of the General Plan may have potentially significant impacts that could be reduced to less than significant with mitigation. The proposed project consists of an office and industrial development in the San Pablo Avenue corridor of the Three Corridors Specific Plan Area. The project is consistent with the land use and zoning of the General Plan and Three Corridors Specific Plan. Pursuant to 2010 FEIR mitigation measures 4.5.3a and 4.5.6, a project level noise study (**Appendix G**) was conducted to evaluate existing ambient noise conditions at the project site, estimate the project's potential contributions to local ambient noise, and provide recommendations to minimize potential noise conflicts. The project's contribution to the local ambient noise level would be temporary from the construction of the project and on-going from operations of the project as a light industrial use with ancillary office space.

Temporary Construction Impacts

Construction of the project would include site preparation, grading, trenching, building and sound wall construction, architectural coating, paving, and landscaping. During each phase of construction, a different mix of equipment would be used with varying noise levels. Noise impacts from construction depend on the equipment used, timing and duration of activities, and distance between construction noise sources and noise-sensitive areas. Construction noise impacts result when construction activities occur during noise-sensitive times of day (e.g., early morning, evening, and nighttime hours), when the activities occur too close to noise-sensitive uses, or when activities last over extended periods of time. Action HS.8.1.5 of the City's General Plan requires the uses of temporary construction noise control measures to reduce noise impacts of construction. The Pinole Municipal Code also limits construction hours to between 7:00 a.m. and 5:00 p.m. on non-federal holidays. Saturday work is allowed in commercial zones only between 9:00 a.m. and 6:00 p.m. as long as the work is limited to interior work that does not generate significant outdoor noise. The noise limits on construction activities established by the Federal Transit Administration (FTA) were used to identify the potential for impacts. During daytime hours, an exterior threshold of 80 dBA L_{eq} is applied at residential land uses and 90 dBA L_{eq} at commercial and industrial land uses.

The analysis conducted by Illingworth and Rodkin (Appendix G) shows that construction noise levels would range from 49 to 71 at existing residential land uses and from 65 to 76 at existing office and commercial uses when project construction activities are occurring near the center of the nearest project building. The noise analysis concluded that based on project site condition and distance to nearest noise sensitive receivers, construction noise levels would not exceed the thresholds established by the FTA for residential or commercial/industrial land uses.

Some specific construction activities would occasionally exceed these thresholds when work is conducted near shared property lines and construction would move throughout the project site over the course of the construction period. The Pinole General Plan identified measures to reduce the impacts of construction projects within the Plan Area to a less-than-significant level which are included as environmental condition of approval **NOI-1**.

The 2010 FEIR concluded that construction activities could result in a substantial temporary or periodic increase in ambient noise levels, and that impacts would be less than significant. Due to the short-term nature of construction noise, the intermittent frequency, and required compliance with Municipal Code standards, the 2010 FEIR determined that construction noise level increases will not result in an increase in ambient noise levels in excess of applicable standards. During construction, the project will result in a temporary noise increase from construction equipment, activities, and material deliveries. Construction activities and associated noise will be restricted by construction hours under Section 15.02.070 of the Pinole Municipal Code. Compliance with construction hours and best management practices to minimize noise during construction activities is imposed under COA NOI-1. Therefore, impacts to ambient noise levels from temporary construction activities will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Ongoing Project Operation Impacts

Ongoing operation of the project would contribute noise impacts to the surrounding land uses from the increase of traffic, operation of mechanical equipment such as HVAC units, project site parking lot noise, and truck operation, maneuvering, and delivery at the loading docks. The State of California and the City of Pinole consider that a significant permanent noise impact has occurred if the project: 1) increases noise levels at noise-sensitive receptors by 3 dBA DNL or more where ambient noise levels exceed 60 dBA DNL or by 5 dBA DNL where ambient noise levels are below 60 dBA, 2) the project noise levels exceed the limits of the City's General Plan (55 dBA L_{eq} (7:00 a.m. to 10:00 p.m.), and 45 dBA L_{eq} (10:00 p.m. to 7:00 a.m.)) as established by Policy HS.9.1, or 3) exceeds maximum instantaneous noise levels of 70 dBA L_{max} during the day or 65 dBA L_{max} at night. The nearest sensitive land uses are residential development to the east off of Sunnyview Drive, to the northwest off of Carlotta Circle, and to the distant south across San Pablo Avenue, off of Meadow Avenue. The office and industrial development to the immediate south of the project is not considered a sensitive land use.

Traffic Noise

The noise impact study was informed by the results of the Traffic Impact Analysis performed by Fehr & Peers (Appendix H) which included existing plus project traffic volumes at two intersections in the vicinity of the project site, the intersection of the Project Driveway-Meadow Avenue-San Pablo Avenue, and the Pinon Avenue-Appian Way-San Pablo Avenue intersection. The measurable increase in roadway noise attributable to the project is 1 dBA DNL along Meadow Avenue. Traffic volume increases along all other road segments would not measurably contribute to ambient noise levels. The existing ambient noise level along Meadow Avenue is 56 dBA and the project will increase ambient noise level to 57 dBA. As stated above, the noise level would have to increase by 3 dBA or greater in an area where ambient noise levels are below 60 dBA for there to be a significant permanent noise impact. Therefore, the impact to ambient noise from the increase in road traffic attributable to the project is a less than significant impact.

Mechanical Equipment

The noise impact study evaluated the potential for noise from mechanical equipment such as HVAC systems, exhaust fans, chillers, etc. to produce a significant impact on surrounding residential land uses. At this time, the only exterior mechanical equipment anticipated is HVAC units to be mounted on the roof over the office area to condition the office space. The warehouse area of the building will not be conditioned. Noise generated by HVAC units will be attenuated by a parapet wall, set back a minimum of 10 feet from the roof edge, and will not be visible from the ground. Estimated noise levels produced by HVAC equipment is presented in the Table below, which shows that during daytime hours the 55 dBA threshold would not be exceeded, and the nighttime

threshold of 45 dBA would also not be exceeded at nearby residential receptors. The existing office and commercial uses to the south of the project would experience a negligible change in ambient noise levels.

Table 4. Mechanical Equipment Noise Levels and Receiving Land Use[d]

Receptor	Distance from Rooftop Equipment, feet	Hourly L_{eq}, dBA		DNL, dBA	Estimated Noise Level Increase, DNL, dBA
		Estimated L_{eq} at Receiving Property Line	55 dBA (Daytime) or 45 (Nighttime) Exceeded?		
East Residential	465	29 to 30 [b]	No (both)	36 [b]	0
Northwest Residential	370	26 to 27 [c]	No (both)	33 [c]	0
Distant South Residential	800	$\leq$ 20 [c]	No (both)	26 [c]	0
South Office & Commercial	70	45 to 46 [b]	N/A[a]	53 [b]	0

[a] Thresholds apply to residential receptors only.
[b] Minimum attenuation of 5 dB is assumed due to elevation of noise sources and distance of ground-level receptors being within 200 feet of the proposed building.
[c] Minimum attenuation of 10 dB is assumed due to intervening buildings and distance of receptors being more than 700 feet from the proposed building.
[d] Source: Noise and Vibration Assessment, prepared by Illingworth & Rodkin, April 22, 2024, Table 10.

The Noise and Vibration Assessment (Appendix G) concluded that there will be no exceedance of either the daytime or the nighttime noise levels resulting from rooftop equipment. In future, mechanical equipment may be installed that increases noise levels and would be subject to review by the Community Development Department and to the noise level limitations of the Pinole Municipal Code. No noise level increases from the mechanical equipment proposed at this time will result in an increase in ambient noise at nearby sensitive land uses, therefore, impacts to ambient noise levels from mechanical equipment introduced by the project will be less than significant and no environmental conditions of approval are warranted.

Parking Lot
The noise impact study evaluated the potential for parking lot noise such as vehicular circulation, loud engines, door slams, and human voices to exceed maximum noise levels established by the City at the surrounding sensitive residential land uses. The parking lot was assumed to be busy only during daytime hours when most employees would be accessing the site. Some activity may occur at night, but passenger car activity would be minimal in any given hour and would result in negligible change in ambient increase in noise levels at surrounding sensitive receptors, which is insignificant and therefore, the study concluded that neither the daytime nor nighttime, average or instantaneous noise levels, would be exceeded at any of the surrounding receptors. This is a less than significant impact and no environmental conditions of approval are warranted.

Truck Deliveries and Pass-By
The project would include a loading dock with 18 bays and dock-high doors on the southeast facade of the building. According to the Traffic Impact Analysis (Appendix H) 107 daily truck trips would access the site between the hours of 7:00 am and 7:00 pm. The peak hour truck trips would result in 17 peak hour AM trips and 11 peak hour PM truck trips. For all remaining daytime hours (non-peak) an average of 7 or 8 truck trips would occur every hour. Each trip is one inbound and outbound transit of the truck, so a truck arriving and departing represents 2 trips. Noise generated by these truck trips will include passage on the driveway, engine, exhaust, and tire noise, back-up alarms during maneuvering activities, releases of compressed air from air brakes, and loading dock activities which could last for 10 to 20 minutes.

General Plan Policy HS.8.1 establishes acceptable, conditionally acceptable, and unacceptable exterior noise conditions at various land uses. Action HS.8.1.3 allows the City to require that new development projects use a variety of techniques to reduce noise exposure and impacts to nearby sensitive receptors. Techniques may include screening and noise control, increased setbacks, modification of building design and site planning, control of hours of operation, and landscape buffering where feasible. Policy HS.8.2 ensures that nonresidential land uses likely to exceed the City's standards do not create noise disturbances in noise-sensitive areas, such as residential uses. Action HS.8.2.1 requires that an acoustical analysis be conducted as a part of the

environmental review process and Action HS.8.2.2 allows the City to impose measures to eliminate or reduce noise impacts to the maximum extent feasible.

In accordance with Action HS.8.2.2, an acoustical analysis of the proposed development was performed (Appendix G). The analysis concluded that the residences to the northwest and distant south would be shielded from noise generated by truck deliveries and pass-by by the proposed building and the existing buildings of the PSBP to the south. The residences to the east would experience an increase in hourly average daytime and nighttime noise levels and would exceed the maximum noise levels stipulated in Policy HS.8.1. Pursuant to Action HS.8.1.3, the City is imposing environmental condition of approval **NOI-2** which requires the construction of a noise attenuating barrier. The Noise Report determined that the sound wall would be sufficient to reduce noise impacts of the proposed project during the daytime but nighttime activities such as truck arrival, maneuvering, and loading activities at the building would exceed the nighttime noise limits. To ensure that the project operation does not exceed nighttime noise levels, trucking operations are limited to daytime hours through environmental condition of approval **NOI-3**. Through implementation of NOI-3, operating hours are limited to the hours between 7:00 a.m. and 7:00 p.m. and there would be less than significant impact to nighttime ambient noise levels from outdoor operations at the project site.

The maximum noise thresholds and hourly average noise thresholds only apply to stationary sources and would not apply to pass-by truck noise, however the threshold for a permanent noise increase would apply to truck pass-bys. Truck pass-bys would not contribute a measurable amount to the ambient noise levels. There is a less than significant impact to daytime ambient noise levels from project operational truck pass-bys and no environmental conditions of approval are warranted to limit daytime operation of the project.

Combined Noise
The operational noise levels produced by a combination of all of the sources detailed above, including traffic, mechanical equipment, parking lot, truck deliveries, and pass-bys would not result in a permanent noise increase at the sensitive land uses surrounding the project site. That is less than the 3dBA DNL minimum increase to consider a change to be a significant impact. Therefore, there is less than significant impact to average ambient noise levels from combined noise of the project during operation and no environmental conditions of approval are required beyond NOI-2, which ensures that the assumptions of the Noise and Vibration Assessment for operational hours remain in place, and NOI-3, which makes the proposed sound wall a project requirement, and through combined application of these conditions of approval reduces potential noise impacts of the project to less than significant levels.

Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.13(b) (Groundborne Vibration) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts from groundborne vibrations could be potentially significant and would be reduced to less than significant levels with implementation of mitigation measure 4.5.6. The Noise and Vibration Assessment analyzed project construction and operation impacts related to groundborne vibration in compliance with mitigation measure 4.5.6. The assessment concluded that the project would not result in long-term and excessive groundborne vibration and groundborne noise at operation. During the course of construction, the project would generate temporary and intermittent groundborne vibrations and noise through the operation of construction equipment, material hauling, and earthwork. The noise study determined that while groundborne vibration from project construction may be perceptible, it is not expected to cause risk of building damage in the vicinity. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.13(c) (Airfield Noise) No Change Relative to the 2010 FEIR: The 2010 FEIR determined that noise impacts due to the proximity of an airfield would be less than significant. The city is not located within the vicinity of a private airstrip or an airport land use plan, nor is it within two miles of a public airport or public use airport. The nearest airports are the San Rafael Airport (approximately 12 miles west) and Buchanan Field Airport (approximately 13 miles east) of the city. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

MM 4.5.3a The following policy shall be incorporated into the Health and Safety Element under Goal HS.8: New development of noise-sensitive land uses will not be permitted in areas exposed to existing or planned transportation noise sources that exceed the levels specified in Policy HS.8.1 of the proposed General Plan Update unless the project design includes measures to reduce exterior and interior noise levels to those specified in Policy HS.8.1 of the proposed General Plan Update.

Status: Applicable. The project proposes light industrial uses which is not a sensitive land use. A project-specific noise study has been prepared that identifies anticipated changes to ambient noise levels as a result of the project that would not exceed daytime standards at nearby residential uses through implementation of a design feature (sound wall) and restrictions on nighttime operating hours. General Plan Policy HS.8.1, Action HS.8.1.3, allows the City to use various means to ensure that projects do not introduce new noise sources that exceed the exterior noise level standards. The City may require that buildings and sites be designed to reduce noise exposure through sound attenuating features and may limit hours of operation to ensure the project does not introduce a potential conflict due to noise incompatibility. Therefore, the project is subject to COA NOI-3, which limits exterior activities such as deliveries to daytime hours, and COA NOI-2, which requires construction of a noise-attenuating wall between the building and sensitive residential land uses to the east.

MM 4.5.3b The following policy shall be incorporated into the Health and Safety Element under Goal HS.8: Require site-specific noise studies for noise-sensitive projects which may be affected by railroad noise and incorporate noise attenuation measures into the project design to reduce any impacts.

Status: Not Applicable. While the project is located adjacent to a railroad, it proposes a warehouse/distribution and light industrial development which is not a noise-sensitive land use.

MM 4.5.6 The following mitigation shall be implemented as an action under Policy HS 8.1: Require the use of temporary construction noise control measures including the use of temporary noise barriers, temporary relocation of noise-sensitive land uses, or other appropriate measures as mitigation for noise generated during construction of public and/or private projects.

Status: Applicable. A project-specific noise study was prepared that identifies practicable noise reduction strategies, which are imposed as environmental conditions of approval NOI-1, NOI-2, and NOI-3 as set forth below.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to noise relative to what was identified the 2010 FEIR. The project is in compliance with mitigation measure 4.5.3a and 4.5.6, through the project noise analysis, with implementation of the following recommendations in the noise report:

COA NOI-1: Construction activities including delivery and hauling shall comply with construction hours as provided under Pinole Municipal Code Section 15.02.070 and in accordance with construction best management practices for minimizing noise including:

1. Construction shall be limited to the hours of 7:00 a.m. to 5:00 p.m. Monday through Friday, excluding holidays. Saturday work is allowed in commercial zones only, from 9:00 a.m. to 6:00 p.m., as long as it is interior work and does not generate significant noise. Any work outside of these hours by the construction contractors should require a special permit from the City Manager. There should be compelling reasons for permitting construction outside of these designated hours.
2. The construction contractor shall locate stationary noise sources as far from existing sensitive receptors as possible. If stationary sources must be located near existing sensitive receptors, they shall be muffled and enclosed within temporary sheds or other structures.

3. At a minimum, the construction contractor shall implement the following control measures: improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically-attenuating shields or shrouds. Noise controls can reduce noise levels at 50 feet by 1 to 16 dBA, depending on the type of equipment.
4. Equipment used for project construction shall be hydraulically or electrically powered impact tools (e.g., jack hammers) wherever possible to avoid noise associated with compressed air exhaust from pneumatically-powered tools. Where use of pneumatically-powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. A muffler could lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dBA. Quieter procedures shall be used (such as drilling rather than impact equipment) wherever feasible.
5. The unnecessary idling of internal combustion engines on equipment, trucks, or vehicles is prohibited.
6. All construction trucks and vehicles shall access the site via San Pablo Avenue.
7. All staging of construction equipment, trucks, and vehicles shall be limited to the southern and western portions of the project site, as far away from residential development to the east as possible.
8. Prior to the commencement of any construction activities, the construction contractor shall notify, via mail, all residences within a 300-foot radius of the project site of the project's approximate construction schedule, including the approximate duration of demolition, clearing, grading, excavation, paving, and building construction, et al. In addition, at least 24 hours prior to grading activities, the construction contractor shall post signage in appropriate locations within a 300-foot radius of the project site. The signage shall include a phone number to the City Public Works Department for residents to call with noise complaints. If the City Public Works Department receives more than three complaint calls regarding construction noise, the City reserves the discretion to require the project applicant to conduct an acoustical noise analysis to determine more appropriate measures to reduce noise levels due to construction activities.

COA NOI-2: Prior to issuance of building permit, the preliminary sound wall design and specifications, as presented in Figure 2 of the Noise Report (Appendix G hereto), shall be reviewed by a qualified acoustical engineer and recommendations incorporated into the final design for review and approval by the City. The sound wall shall be continuous from grade to top, with no cracks or gaps, have a minimum surface density of three pounds per square foot (e.g. concrete masonry units (CMU)), 420 feet in length long, and with a minimum height of 10 feet to break the line-of-sight to the noise source, or as otherwise modified through final design per recommendations from an acoustical engineer and approval by the City. Prior to issuance of a certificate of occupancy, construction of the sound wall along the eastern site boundary shall be complete per final design and specification and/or as accepted by the City Engineer.

COA NOI-3: Exterior activities such as truck maneuvering, loading and unloading, and deliveries shall be limited to the hours between 7:00 a.m. and 7:00 p.m., Monday through Friday.

4.14. POPULATION AND HOUSING

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Population and Housing in Chapter 4.2 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.2.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in slight population, housing, and employment increases within the Planning Area.
- Impact 4.2.2- Subsequent land use activities associated with implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not result in the displacement of substantial numbers of housing units and/or persons. This is a less than significant impact.
- Impact 4.2.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would not result in substantial population, housing, and employment increases in Contra Costa County and the Bay Area. This is less than cumulatively considerable.

Project Consistency with the 2010 FEIR

4.14(a) (Induced Substantial Growth). No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts from induced substantial population growth would be less than significant. The project is generally consistent with the planned development potential analyzed in the 2010 FEIR. The General Plan and Three Corridors Specific Plan directs growth toward infill and redevelopment sites in areas close to existing transit, retail, jobs, and infrastructure. The project proposes 116,730 square feet of warehouse or light industrial space and approximately 2,498 square feet of ancillary office space on an infill site proximate to existing development, transit, and is well served by utilities and public services. Infrastructure. The project will create new jobs in Pinole which may indirectly incrementally increase the population by attracting employees, however the project will not directly induce population growth as residential development is not proposed by the project. The anticipated number of jobs generated by the Project is approximately 60 to 100 employees, which would not substantially induce growth. Therefore, the project will not result in a new significant impact due to growth inducement or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

4.14(b) (Displacement). No Change Relative to the 2010 FEIR: The 2010 FEIR determined that impacts from displacement would be less than significant. The project is consistent with the General Plan and Specific Plan land use designation as a proposed light industrial use on an undeveloped parcel designated for such uses along the San Pablo Avenue Corridor. The project will provide employment opportunities in proximity to existing goods, services, and existing housing without demolishing existing housing units, causing displacement, or

displacing the opportunity to create housing in the future. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any new or more severe impacts to population and housing relative to what was identified in the 2010 FEIR. The project consists of development consistent with the projected growth under the General Plan and Specific Plan.

4.15. PUBLIC SERVICES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	☐	☐	☒	☐
Fire Protection?	☐	☐	☒	☐
Police Protection?	☐	☐	☒	☐
Schools?	☐	☐	☒	☐
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; and Plan Set, prepared by HDO Architecture, dated March 18, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Public Services and Utilities in Chapter 4.12 including the Three Corridors Specific Plan area and determined the following:

Fire Protection

- Impact 4.12.1.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) could result in increased demand for fire protection and emergency medical services within the GPU Planning Area. This is a less than significant impact.

- Impact 4.12.1.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), along with other planned development and redevelopment within the GPU Planning Area, would contribute to the cumulative demand for fire protection and emergency medical services. This is less than cumulatively considerable impact.

Law Enforcement Services

- Impact 4.12.2.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in increased demand for law enforcement services within the GPU Planning Area. This is a less than significant impact.

- Impact 4.12.2.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), along with other planned development and redevelopment within the GPU Planning Area, would contribute to the cumulative demand for law enforcement services. This is less than cumulatively considerable impact.

Public Schools

- Impact 4.12.3.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase student enrollment within the WCCUSD and may require new school facilities and related services. This is a less than significant impact.

- Impact 4.12.3.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), as well as potential development within the cumulative setting area, would result in less than cumulatively consideration public school impacts.

Park and Recreational Facilities

- Impact 4.12.4.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase the demand for existing facilities and require additional parks and recreational facilities. This is a less than significant impact.

- Impact 4.12.4.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with other reasonably foreseeable development, would require additional park and recreation facilities within the GPU Planning Area. This would be less than cumulatively considerable.

Project Consistency with the 2010 FEIR

4.15(a) (Public Services) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that, with policies set forth in the General Plan, impacts to public services would be less than significant. The 2010 FEIR concluded that there would be a less than significant impact on emergency services because development activities would include roadway improvements to ensure adequate access and traffic management.

General Plan policies CS.2.1 and CS.2.3.5 call for 5-minute response times from the Police Department and the Fire Department. Police and Fire vehicles travel more swiftly than typical vehicles using sirens and bypassing traffic lights. As such, Fire and Police services are expected to be able to reach the site with adequate response times. The project will not impact the emergency response times to the area. Upon review of the proposed development plans for the Pinole Shores II Project, the Fire and Police Departments did not indicate concerns about response times or the capacity to provide services to the project. New development projects are subject to the payment of development impact fees to fund the incremental increase in demand for services. The project is subject to development impacts fees and is consistent with the development potential analyzed in the 2010 FEIR. As such, the project would not result in an impact more significant than the less than significant impact identified in the 2010 FEIR.

The 2010 FEIR concluded that buildout would result in less than significant impacts to schools. While the project may result in indirect population growth because of employee relocation that may occur, it would have a negligible impact on educational services provided by schools as student generation would be minimal. Furthermore, the project is subject to fees imposed by the West Contra Costa Unified School district to support school facilities development and maintenance. Therefore, the project will result in less than significant impacts to schools consistent with the determination made in the 2010 FEIR.

The increase in demand for parks and recreational facilities associated with population growth and development was considered in the 2010 FEIR, which determined impacts to existing parks and recreational resources would be less than significant and cumulative impacts would be less than cumulatively considerable. The project has no residential component and as such is not subject to impact fees to fund, maintain, acquire, and develop recreational facilities (City of Pinole, Development Impact Fee Schedule, Resolution 2018-29). The project is consistent with the projected build out analyzed in the General Plan and Specific Plan EIR. Therefore, the project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any new or more severe impacts to public services relative to what was identified in the 2010 FEIR. The project consists of development consistent with the General Plan and Specific Plan and would offset potential incremental increase in the use of services through required development impact fees for police, fire protection, public facilities and equipment, wastewater, transportation, drainage, and schools.

4.16. RECREATION

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and the City of Pinole Recreation Department, Park and Facilities, accessed June 2022.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to recreational parks and facilities in Chapter 4.12, Public Services and Utilities and determined the following:

- Impact 4.12.4.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase the demand for existing facilities and require additional parks and recreational facilities. This is a less than significant impact.

- Impact 4.12.4.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), in combination with other reasonably foreseeable development, would require additional park and recreation facilities within the GPU Planning Area. This would be less than cumulatively considerable.

Project Consistency with the 2010 FEIR

4.16(a-b) (Deterioration of Parks, Additional Recreational Facilities) No Change Relative to the 2010 FEIR: The 2010 FEIR concluded that buildout would result in less than significant impacts to recreational resources. Pinole contains a total of 14 parks. Of these parks, the Meadow Park (1.5 acres) is located approximately 0.4 miles to the southeast, the Bayfront Park (2 acres) is approximately 0.5 miles to the east, and the Louis Francis Park (2 acres) is approximately 0.6 miles to the southwest, of the project site. Additionally, East Bay Regional Park District (EBRPD) manages approximately 95,000 acres of open space and preserves providing regional amenities to Pinole residents, including the San Francisco Bay Trail, which passes the project site approximately 150 feet to the north on the other side of the BNSF railroad, and the Pinole Shores Park, located 0.3 miles to the northwest.

New workers introduced to the area by the project would result in a negligible change in the use of surrounding parks and recreational facilities. Employees and visitors to the site may occasionally use the surrounding recreational facilities, parks, and trails. The anticipated increase in park use generated by the project would be consistent with the use anticipated by the General Plan and Three Corridors Specific Plan. The project's negligible change in use of recreational facilities is not expected to cause substantial or accelerated physical

deterioration. Additionally, the City of Pinole periodically updates the Recreation Park and Facility Master Plan in accordance with General Plan Action CS.1.3.4 to monitor the condition of recreational facilities and ensure that the community needs are adequately addressed. Pursuant to Action CS.3.1.1 the Master Plan is used to identify areas that are underserved by recreation facilities and identify opportunity sites that may satisfy existing and projected park and recreation needs. The project is in compliance with Action CS3.4.3, which directs that the Recreation Department review development proposals. The project was routed to the Recreation Department which determined that existing park and recreation facilities were adequate to meet recreational demands of the project.

Potential impacts to recreational facilities within the City of Pinole as a result of new development have been identified and analyzed under the 2010 FEIR, which concludes that build out will have a less than significant impact on recreational facilities. No population growth will occur as a direct result of the project because no residential component is proposed. Population growth was anticipated in the General Plan and the Three Corridors Specific Plan. The project would not put further pressure on recreational amenities thereby requiring construction or expansion of such facilities relative to what was analyzed in the 2010 FEIR. Therefore, impacts related to the increased use, deterioration, construction, or expansion of recreational facilities as a result of the proposed project are not expected to be substantially new or more severe relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion

The project would not result in any substantially new or more severe impacts to recreation relative to what was identified in the 2010 FEIR. The project consists of a light industrial development anticipated by the Three Corridors Specific Plan and General Plan Update. As an industrial use, pursuant to Resolution 2008-29, the project is not subject to development impact fees for parks and recreation.

4.17. TRANSPORTATION

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; Technical Advisory on Evaluating Transportation Impacts in CEQA, prepared by the State of California Governor's Office of Planning and Research, December 2018; Transportation Impact Analysis, prepared by Fehr & Peers, April 24, 2024; Pinole Shores Project Transportation Demand Management Plan, prepared by Fehr & Peers, April 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Traffic and Circulation in Chapter 4.4 including the Three Corridors Specific Plan area and determined the following:

- Impact 4.4.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in an increase in freeway mainline volumes during the AM and PM peak hours. This is considered a significant impact and remains significant and unavoidable with mitigation. Resolution 2010-88 adopted a statement of overriding consideration citing economic and sustainability benefits as follows: 1) Locating residential projects adjacent to commercial development allows for greater pedestrian and bicycle access for those residents to commerce, employment opportunities, and transit which reduces vehicle trips and increases the sustainability of the community; and 2) Including residential uses along predominantly commercial corridors provides urban-level activity and potential patrons for existing and future commercial uses, conferring an economic benefit to the city.

- Impact 4.4.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in an increase in volume to capacity (v/c) ratios and a decrease in LOS on study intersections during the AM and PM peak hours. This is considered a potentially significant impact and is reduced to less than significant with modification to the LOS policy allowing for LOS F standard within Old Town.

- Impact 4.4.3- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would conflict with the multimodal transportation service objectives (MTSOs) identified in the West County Action Plan. This is considered a significant impact and is remains significant and unavoidable with mitigation. Resolution 2010-88 adopted a statement of overriding consideration citing a sustainability benefit and included the following rationale: Locating residential projects along commercial corridors allows for greater access to commerce, employment opportunities, and transit which reduces vehicle trips and increases the sustainability of the community.

- Impact 4.4.4- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in changes to the circulation network. However, the

changes would not increase hazards due to design features or incompatible uses. This is considered a less than significant impact.

- Impact 4.4.5- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in an increase in vehicular traffic and changes to the roadway network, which may potentially increase emergency access conflicts. This is considered a less than significant impact.

- Impact 4.4.6- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would support continued and expanded transit use, bicycling, and walking throughout the city, although changes to the roadway network may potentially affect bus operations. This is considered a less than significant impact.

- Impact 4.4.7- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would result in cumulative transportation impacts. This impact is cumulatively considerable and is reduced to less than cumulatively considerable with mitigation.

- Impact 4.4.8- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would conflict with the multimodal transportation service objectives (MTSOs) identified in the West County Action Plan. This impact is cumulatively considerable and remains significant and unavoidable with mitigation. Resolution 2010-88 adopted a statement of overriding consideration for this significant and unavoidable impact citing a sustainability benefit and included the following rationale: Locating residential projects along commercial corridors allows for greater access to commerce, employment opportunities, and transit which reduces vehicle trips and increases the sustainability of the community.

- Impact 4.4.9- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) in combination with pending or approved major projects within the city as well as consideration of regional activities, would result in changes to the circulation network. The changes are not anticipated to increase hazards due to design features or incompatible uses. This impact is less than cumulatively considerable.

- Impact 4.4.10- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) in combination with pending or approved major projects within the city as well as consideration of regional activities, would result in an increase in vehicle traffic and changes to the roadway network, which may potentially increase emergency access conflicts. This impact is less than cumulatively considerable.

- Impact 4.4.11- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) in combination with pending or approved major projects within the city as well as consideration of regional activities, would support continued and expanded transit use, bicycling, and walking throughout the city, although changes to the roadway network may potentially affect bus operations. This impact is cumulatively considerable and with mitigation is reduced to less than cumulatively considerable.

Level of Service to Vehicle Miles Traveled

Level of service (LOS) has historically been used as a standard measure of traffic service within the City of Pinole. Pursuant to SB 743, as of July 1, 2020, lead agencies are required to evaluate transportation impacts of a project using a Vehicle Miles Traveled (VMT) metric, which focuses on balancing the needs of congestion management with statewide goals related to infill development, promotion of public health through increased active transportation facilitated by closer proximity to alternative travel modes and reduces greenhouse gas emissions.

In December 2018, the California Governor's Office of Planning and Research (OPR) published the Technical Advisory on Evaluating Transportation Impacts in CEQA, which provides recommendations for evaluating a project's transportation impact using a VMT metric, thresholds of significance, and mitigation measures. Pursuant to Government Code Section 15064.3(b), lead agencies have discretion to select the most appropriate

methodology for evaluating a project's VMT impacts. To date (April 2024) the City of Pinole has not adopted VMT thresholds or guidelines. In the absence of locally adopted thresholds at the time of review of the proposed project, the City of Pinole is relying upon recommendations set forth in OPR's Technical Advisory.

Transportation Impact Analysis (TIA)
A Transportation Impact Analysis was prepared by Fehr & Peers (**Appendix H**) which provides a VMT impact analysis, provides an estimate of the quantity of trips that would be generated by the project, and evaluates the operations of the intersections at San Pablo Avenue/Appian Way/Pinon Avenue, San Pablo Avenue/Meadow Avenue, and the Project Driveway. The project-related VMT impacts were assessed based on guidance provided by the California Governor's Office of Planning and Research (OPR) in the publication Transportation Impacts (SB 743) CEQA Guidelines Update and Technical Advisory, 2018. The project would generate approximately 700 net new passenger automobile trips daily. The quantitative VMT analysis shows that the project would generate less than 85 percent of the region wide average. Recommendations were made for improvement of the San Pablo Avenue/Meadow Avenue/Project Driveway intersection including 1) prohibition of left-turns into the project driveway, 2) lengthening the eastbound left turn pocket, 3) updating the existing crosswalk and striping, 4) installing a new stop sign and markings at the private lot intersection north of San Pablo Avenue, and 5) installing a traffic signal at the project site intersection as warranted.

Transportation Demand Management Plan
In compliance with General Plan Policy CE.6.2, a Transportation Demand Management Plan (TDM) was prepared by Fehr & Peers (**Appendix H-1**) which details measures to be undertaken by the Pinole Shores II Project during operation and carried out by a designated Transportation Coordinator staff person to promote a reduction in vehicle trips. The TDM Plan measures identified are intended to increase usage of transit services, increase incidence of carpooling, and increase the rate at which employees and visitors choose to walk or bike. Implementation of the TDM Plan is imposed as environmental condition of approval TRAN-2.

Project Consistency with the 2010 FEIR

4.17(a) (Conflicts with Plans, Policies, Ordinances) No Substantial Change Relative to the 2010 FEIR: The 2010 FEIR concluded that the General Plan Update, Three Corridors Specific Plan, and Zoning Code Update would conflict with the multimodal transportation service objectives (MTSOs) identified in the West County Action Plan and that impact would be significant and unavoidable.

The project is consistent with the land use designation established through the General Plan and Three Corridors Specific Plan. The Traffic Impact Analysis (**Appendix H)** estimates that the project would be expected to generate an average of 700 trips per day, including 107 trips during the AM peak hour (between 7:00-9:00 AM) and 90 trips during the PM peak hour (between 4:00-6:00 PM). Trucks are larger and slower than passenger vehicles and so truck trips were converted to a passenger car equivalent (PCE) of 2.5 trips for every truck trip anticipated. Since the specific tenants of the project have not yet been selected, project trip generation was based on the ITE methodology for a light industrial use.

The section of San Pablo Avenue where the project is located is equipped with sidewalks, parallel on-street parking, and landscaping on the median/pedestrian refuge and roadside but is lacking dedicated bike lanes. The project would not conflict with the plans for reconfiguring San Pablo Avenue through Old Town or the design guidelines for that area and would be subject to the City's development impact fees as well as the development fee for the West County Subregional Transportation Mitigation Program (STMP) for proportional contribution towards the improvements listed in the Three Corridors Specific Plan.

The 2010 FEIR imposed mitigation measure 4.4.11 which directs the City to work with transit to construct additional bus turnouts along Pinole roadways including San Pablo Avenue. The project site is served by the West Contra Costa Transit Authority (WestCAT), via Route JR/JL all week, and Route C3 on weekdays. Route JR/JL runs every half hour along San Pablo Avenue north to the Hercules Transit Center with limited trips to Pinole High School and Hercules Middle school, and south to the Richmond Parkway Transit Center and the El Cerrito Del Norte BART station. Route C3 travels along San Pablo Avenue from Contra Costa College to the Hercules Transit Center every half hour on weekdays. The nearest westbound bus stop is on San Pablo Avenue and the private access road, and the nearest eastbound bus stop is across the street on San Pablo Avenue and Meadow Avenue. To ensure compliance with measure 4.4.11, environmental condition of approval (COA) **TRAN-1** imposed on the project requires installation of a bus shelter at the existing westbound bus stop at San Pablo Avenue.

As described further in 4.17(b), in accordance with Policy CE.6.2, the project is required to implement a Travel Demand Management (TDM) Plan. The draft TDM in Appendix H-1 was prepared for the project by Fehr & Peers. Submittal of a final TDM plan for review and approval to the Community Development Department prior to final occupancy is imposed as environmental condition of approval **TRAN-2**. Further, pursuant to Pinole Municipal Code Section 17.98.020, signage, trees, and other landscaping features within the clear vision triangle at driveway and street intersections shall be maintained in accordance with COA **TRAN-3** as described under 4.17(c) below.

The project's Traffic Impact Analysis indicates that the signalized San Pablo Ave/Appian Way/Pinon Ave intersection operates during the AM and PM peak hours at LOS D or better under both the existing and existing-plus-project conditions. The existing unsignalized intersection at San Pablo Ave/Meadow Ave/Project Driveway operates at an overall LOS A with the side-street stop-controlled approaches operating at LOS D during the AM peak hour and LOS E during the PM peak hour. Under existing-plus-project conditions, the intersection would continue to operate at an overall LOS A, but the side-street stop-controlled approach would operate at LOS E during the AM peak hour and LOS F during the PM peak hour.

Per the City of Pinole's level of service (LOS) standards, the minimum desired service level for intersections located on San Pablo Avenue is LOS D. Therefore, the project may conflict with the City's LOS policy and may warrant the addition of a signal at the intersection of San Pablo Ave/Meadow Ave/Project Driveway. Other potential conflicts with circulation are identified below in discussion 4.17(c). In order to avoid a potential conflict due to LOS exceedance and design safety, the project is subject to environmental condition of approval **TRAN-4,** which requires improvements to access and circulation, as well as the installation of a traffic signal at the intersection of San Pablo Ave/Meadow Ave/Project Driveway prior to project occupancy.

With implementation of COA TRAN-1 through TRAN-4, the project will not result in new or more severe impacts beyond those analyzed in the 2010 FEIR by way of conflicting with local plans, policies, and ordinances.

4.17(b) (Conflict with 15064.3(b) VMT) No Substantial Change Relative to the 2010 FEIR: Following adoption of the General Plan, Specific Plan, and Zoning Code Updates, and certification of the 2010 FEIR, SB 743 went into effect, changing how transportation impacts must be evaluated under CEQA. Under SB 743, lead agencies are required to evaluate transportation impacts of a project using a VMT metric which focuses on balancing the needs of congestion management with statewide goals.

The City of Pinole has not adopted local screening criteria or thresholds of significance for VMT assessment. The CCTA, which supports travel demand modeling for all jurisdictions in Contra Costa County, has developed VMT screening criteria, analysis methodologies, and thresholds of significance that were used to develop the project specific VMT assessment in the Transportation Impact Analysis (**Appendix H**).

As the project is employment-generating, the home-work VMT per worker metric was used to estimate VMTs. The project would be considered to generate a significant impact if it exceeds 85% of the existing Bay Area region-wide average home-work VMT per worker. The existing average home-work VMT for the Bay Area region is 15.6, therefore the analysis used 13.2 VMT per worker as the significance threshold. The project is located in a traffic analysis zone (TAZ 10215) where the 2020 home-work VMT per worker is estimated to be 12.8, which is below 85% of the region-wide Bay Area average. Therefore, impacts due to VMT would be less than significant.

Pursuant to General Plan Policy CE.6.2, the project is required to implement a Transportation Demand Management (TDM) plan, which requires "implementation of transportation demand management strategies in conjunction with land uses in order to prevent future traffic congestion" that would further reduce VMT impacts.

The draft TDM Plan prepared for the project (**Appendix H-1**) details fourteen required TDM measures which include, but not limited to, improved pedestrian access from San Pablo Avenue to the project site, installation of bus shelters on San Pablo Avenue, installation of bicycle parking, a bicycle repair station, and employee showers and locker room, allow employees to remote work, and provide educational materials to employees. Additional encouraged measures include implementing a bikeshare membership, designating parking spaces for rideshare vehicles, and providing transit subsidies. The required TDM Plan measures are estimated to reduce single-occupancy vehicle trips by 5 to 10% annually. In accordance with Policy CE.6.2, environmental condition of approval **TRAN-2** is imposed requiring implementation of a final project-level TDM Plan to be prepared and submitted to the Community Development Department for review and approval prior to issuance of the certificate of occupancy.

As such, the project will not result in new or more severe impacts beyond those analyzed in the 2010 FEIR.

4.17(c) (Geometric Design Feature Hazard) No Substantial Change Relative to the 2010 FEIR: The FEIR concluded that transportation and circulation improvements would be implemented over time and would be designed and constructed consistent with local, regional, and federal standards and as such would result in less than significant impacts related to a geometric design features or incompatible uses.

Access to the project will be provided via two existing driveways from San Pablo Avenue. Primary internal circulation at the Pinole Shores Business Park is a semi-circular drive isle around the development. Internal circulation on the site will occur via 24 to 30 foot wide drive aisles circling the project and providing access to the loading docks and trailer parking spaces. Parking stalls are distributed around the perimeter of the site and on both sides of the drive aisle, providing parking for 79 standard passenger vehicles stalls and 11 compact stalls. 4 standard parking stalls will be equipped with electric vehicle chargers, 19 will be equipped conduit for future installation of electric vehicle chargers, and 11 will be designated as “Clean Air Carpool/Vanpool Only.” There will be 6 standard ADA accessible parking spaces, and 2 with access to an EV charger, one of which will accommodate an accessible van.

The project would be required to comply with the public realm standards and design guidelines established in the Three Corridors Specific Plan. Consistent with Policy 1 (safe and efficient movement of people and goods) and Policy 2 (road and intersection improvements to consider pedestrian and traffic safety) of the Three Corridors Specific Plan, the project is subject to environmental condition of approval **TRAN-3** which requires that signage, trees, and landscaping elements within a clear vision triangle, including driveways and street intersections, maintain clear sight lines at heights between two and one-half feet and seven feet, pursuant to Pinole Zoning Code Section 17.98.020.

Within the project vicinity, sidewalks are present along both sides of San Pablo Avenue, the project has no street frontage. Internal pedestrian walkways proposed on the project site would connect the main entrance to the existing pedestrian facilities in the Pinole Shores Business Park.

The project’s Traffic Impact Study (**Appendix H**) recommends off-site improvements to the unsignalized pedestrian cross walk across the project driveway at San Pablo Avenue, installation of stop sign and markings to improve internal circulation, the lengthening of the left hand turn pocket on eastbound San Pablo Avenue to accommodate trucks, and the installation of a traffic signal at the intersection of San Pablo Avenue-Meadow Avenue-Project Driveway intersection. These are imposed as environmental condition of approval **TRAN-4**, which ensure consistency with the 2010 FEIR and City Design Standards.

As such, the project will not result in new or more severe impacts beyond those analyzed in the 2010 FEIR by way of introducing a hazardous design feature.

4.17(d) (Emergency Access) No Substantial Change Relative to the 2010 FEIR: The FEIR concluded that impacts related to emergency access would be less than significant as individual development projects are required to be reviewed for compliance with emergency access standards set forth by the City’s public safety officials. During construction activities, temporary lane closures on San Pablo Avenue are expected to occur during frontage improvements and utility work that will be coordinated with Fire, Police, and emergency responders to ensure that through access is maintained and adequate response times are achievable.

The project’s circulation plan has been reviewed and meets all requirements of the Fire and Public Works Departments. Site circulation was determined to be adequate, including sufficient turning radii and drive aisle widths to allow for fire truck access to the proposed project. Therefore, emergency vehicle access would be adequate under the proposed project and there would be no new or more severe impacts related to emergency access as a result of project implementation relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

MM 4.4.11 Work with WestCAT and AC Transit to construct additional bus turnouts along the following Pinole Roadways: San Pablo Avenue, Pinole Valley Road, Appian Way & Fitzgerald Drive.

Status: Applicable. The City should coordinate with WestCAT to identify any needed improvements to transit facilities serving San Pablo Avenue and requirement to construct a bus shelter structure at the nearest bus stop to the project is imposed as COA TRAN-1.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to traffic and circulation including transportation relative to what was identified the 2010 FEIR. As conditioned, the project would be generally consistent with the Three Corridors Specific Plan by introducing identified improvements and by maintaining adequate emergency access. The following environmental conditions of approval are imposed in compliance with the Three Corridors Specific Plan:

COA TRAN-1: Prior to the issuance of Building Permit, the applicant shall provide the project's fair share contribution as established by the City towards multi-modal improvements in the project vicinity as identified in the Three Corridors Specific Plan by installing a bus shelter at bus stop 25028 on San Pablo Avenue.

COA TRAN-2: Prior to issuance of the certificate of occupancy, a final Transportation Demand Management Plan shall be provided to the Community Development Department for review and approval. The TDM Plan shall include example materials that will be used to educate tenants and employees about the programs and require that a tenant management position assume the role of Transportation Coordinator and detail the program implementation schedule which shall commence with occupation of the building.

COA TRAN-3: To maintain adequate sight lines at the project driveways, pursuant to Pinole Municipal Code Section 17.98.020, signage, trees, and other landscaping features within the clear vision triangle at driveway and street intersections shall be maintained such that visibility is maintained between thirty (30) inches and seven (7) feet. The applicant shall be responsible for maintaining adequate sight lines from the project driveways and vegetation shall be trimmed to about one foot in height on the west sides of the driveways.

COA TRAN-4: Recommendations of the project specific Transportation Impact Analysis shall be implemented as follows or as otherwise reviewed and accepted by the City Engineer:

1. Prior to issuance of occupancy, the eastbound left turn pocket on San Pablo Avenue shall be lengthened from 60 to 130 feet, increasing the queue storage for large trucks (e.g., WB-40 and WB-67).

2. Prior to issuance of occupancy, the existing crosswalk across the project driveway shall be relocated closer to the intersection to align with the existing sidewalk along the north side of San Pablo Avenue, which would provide additional queue storage for vehicles exiting the project site and improve pedestrian circulation along the project frontage. The existing striping shall be adjusted to improve queue storage for vehicles exiting the project site.

3. Prior to issuance of occupancy, a new stop sign with pavement markings shall be installed at the private parking lot intersection immediately north of the intersection with San Pablo Avenue, which would minimize queuing within the project site, maintain access to the drive aisle just north of the project driveway, and minimize the inbound project queues spilling back onto San Pablo Avenue.

4. Prior to issuance of a building permit, the applicant shall submit designs for intersection improvements inclusive of a traffic signal for review and acceptance by the City Engineer. Prior to issuance of occupancy, a traffic signal and intersection redesign shall be installed at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection to the satisfaction of the City Engineer.

4.18. TRIBAL CULTURAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☐	☒
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; Cultural Resources Study, prepared by Evans & DeShazo, Inc., January 4, 2023; and AB 52 Notification issued by the City of Pinole December 20, 2022.

According to Public Resources Code (PRC) Section 21074, tribal cultural resources are defined as follows:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
    a. Included or determined to be eligible for inclusion in the California Register of Historical Resources; or
    b. Included in a local register of historical resources as defined in PRC Section 5020.1(k).
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in PRC Section 5024.1(c). In applying the criteria set forth in PRC Section 5024.1(c), the lead agency shall consider the significance of the resource to a California Native American tribe.
3. A cultural landscape that meets the criteria of PRC Section 21074(a) to the extent that the landscape is geographically defined in terms of the size and scope of the landscape.
4. A historical resource described in PRC Section 21084.1, a unique archaeological resource as defined in PRC Section 21083.2(g), or a “non-unique archaeological resource” as defined in PRC Section 21083.2(h), if it conforms with the criteria of PRC Section 21074(a).

In accordance with PRC Section 21080.3.1(d), the City of Pinole provided written formal notification to the tribes below on December 20, 2022, which included a brief description of the previously proposed project design and its location, the City of Pinole contact information, and a notification that the Tribes have 30 days to request consultation. Notified tribal organizations include:

- The Ohlone Indian Tribe
- Amah Mutsun Tribal Band of Mission San Juan Bautista
- The Confederated Villages of Lisjan

- Guidiville Indian Rancheria
- Indian Canyon Mutsun Band of Costanoan
- Muwekma Ohlone Indian Tribe of the SF Bay Area

The City received two official requests to consult from the Confederated Villages of Lisjan and Indian Canyon Mutsun Band of Costanoan. No other responses from tribes or individuals have been received requesting consultation.

On May 20, 2024 the City of Pinole provided written notification to the tribes listed above and included a brief description of the currently proposed project design and extended an invitation to provide any further comments or input. The Confederated Villages of Lisjan and the Amah Mutsun Tribal Band of San Juan Bautista & A.M.T.B. Inc. responded. The former acknowledged receipt of the notice and asked to be contacted if any resources are found. The latter offered services for monitoring and training. No other requests from tribes or individuals have been received requesting consultation. As of June 2024, tribal consultation was determined to be complete.

General Plan and Specific Plan EIR Findings

As discussed above in Section 4.5 (Cultural Resources), the 2010 FEIR concluded that the General Plan Update and Three Corridor Specific Plan would result in potentially significant impacts related to the discovery of buried cultural resources, which may include tribal cultural resources (TCR).

Project Consistency with the 2010 FEIR

4.18(a) (Listed or Eligible for Listing) No Substantial Change Relative to the 2010 FEIR: As described in 4.5 Cultural Resources, the Archaeological Assessment included a database review, records search, and archeological site survey to evaluate the site for recorded evidence of cultural resources. The Assessment concluded that there are no above ground resources, structure, monuments, or landscaping onsite that are listed and eligible for listing. Therefore, the project would not result in new or more severe impacts relative to the 2010 FEIR as it relates to a TCR that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k).

4.18(b) (Significant Resources) No Substantial Change Relative to the 2010 FEIR: As described above, the City of Pinole provided notification of the project to Tribes and tribal organizations on December 20, 2022, consistent with AB 52. Outreach to the Tribes was also conducted in the course of the Cultural Resources Study (CRS) performed by Evans & DeShazo (EDS) on October 17, 2022. On November 16, 2022, a response was received by EDS from a representative of the Indian Canyon Mutsun Band of Costanoan who asked to discuss the project and the results of the CRS. The Tribe requested that a Native American Monitor and an Archaeologist be on-site during ground-disturbing activities to inspect the construction area for archaeological resources. The City received two responses from the AB 52 notification requesting consultation. The City responded to the consultation request providing the Cultural Resources Study, project information, and draft condition of approvals (**CUL-1 and CUL-2**). The representative of the Confederated Villages of Lisjan requested that a tribal cultural monitor be present when native soil is disturbed by grading and excavation activities, which is required by **TCUL-2**. Correspondence between the Tribes requesting consultation and the City through March 2023 satisfy the requirements under AB 52.

The Tribes were notified of the project redesign in May of 2024. The Confederated Villages of Lisjan responded by email and requested to be notified of any tribal cultural resources or burials discovered during construction. The Amah Mutsun Tribal Band of San Juan Bautista & A.M.T.B. Inc. also responded offering services for monitoring and training. No other responses were received.

As identified in the 2010 FEIR, archeological resources are prevalent in the Pinole area and have the potential to be encountered during build out of the Specific Plan. The project site has the potential to contain buried tribal cultural resources that may be unearthed during construction. As such, development within the project site has the potential to result in impacts to buried TCRs if encountered during construction. **COA TCUL-1**, imposed on the project provides for the protection of buried cultural resources, including tribal cultural resources, in the event of discovery. The Pinole Shores II Project is not anticipated to penetrate native soils due to imported fill that covers the site to depths below anticipated foundation grading except in the northeastern extent of the project site where it is anticipated that native soils will be disturbed during stormwater utility work. As such,

TCUL-2 is imposed to identify any TCRs that may be exposed during activities that penetrate native soils. Therefore, the proposed project would not result in new or more severe impacts relative to the 2010 FEIR.

Applicable 2010 FEIR Mitigation Measures

See Section 4.5 above, which identifies mitigation measures 4.10.1a, 4.10.1b, and 4.10.1c as set forth in the 2010 FEIR.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to archaeological resources, including tribal cultural resources, relative to what was identified the 2010 FEIR. The project has complied with measure 4.10.1a through the preparation of a project specific Archaeological Assessment, which identifies recommendations imposed as environmental conditions of approval.

COA TCUL-1: To protect buried Tribal Cultural Resources that may be encountered during construction activities, the project shall implement environmental COA CUL-1 and COA CUL-2.

COA TCUL-2: To protect buried Tribal Cultural Resources that may be encountered during grading and excavation activities, a tribal cultural monitor shall be invited to be present during excavation that is anticipated to penetrate native soils, particularly in the area of the northeastern connection to the municipal storm drain. If tribal cultural resources are found, the Confederated Villages of Lisjan shall be notified as requested through consultation.

4.19. UTILITIES AND SERVICE SYSTEMS

Would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☐	☒
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and Stormwater Control Plan (SWCP), prepared by Kister, Savio, & Rei Inc., March 18, 2024.

General Plan and Specific Plan EIR Findings

The 2010 FEIR evaluated potential impacts to Public Services and Utilities in Chapter 4.12 including the Three Corridors Specific Plan area and determined the following:

Water Supplies/Infrastructure

- Impact 4.12.5.1- Implementation of the General Plan Update, Three Corridors Specific Plan, and Zoning Code Update would require additional water supplies, as well as additional water supply infrastructure, to meet the projected water demands. This is considered a less than significant impact.

- Impact 4.12.5.2- Implementation of the General Plan Update and its associated project components would contribute to the cumulative demand for water supply and associated infrastructure in EBMUD's service area. This is less than cumulatively considerable with the associated General Plan policies and actions, as well as Specific Plan standards and guidelines.

Wastewater

- Impact 4.12.6.1- Implementation of the General Plan Update, Three Corridors Specific Plan, and Zoning Code Update would increase wastewater flows and demand for sanitary sewer facilities. Increased flows could exceed the capacity of the wastewater conveyance, treatment, and disposal systems at the City of Pinole Public Works Department and the West County Wastewater District. This is considered a less than significant impact.

- Impact 4.12.6.2- Implementation of the General Plan Update, Three Corridors Specific Plan, and Zoning Code Update could result in wastewater discharge that would exceed wastewater treatment requirements of the San Francisco Bay Regional Water Quality Control Board. This is considered a less than significant impact.

- Impact 4.12.6.3- Implementation of the General Plan Update, Three Corridors Specific Plan, and Zoning Code Update as well as existing, planned, proposed, approved, and reasonably foreseeable development in the City of Pinole Public Works Department and West County Wastewater District wastewater service areas, would increase wastewater flows and required additional infrastructure and treatment capacity to accommodate the anticipated demands. This proposed project's construction to this impact is considered to be less than cumulatively considerable.

Solid Waste

- Impact 4.12.7.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would increase solid waste generation and the demand for related services. This is considered a less than significant impact.

- Impact 4.12.7.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update), along with other existing, planned, proposed, approved, and reasonably foreseeable development within the West Contra Costa Integrated Waste Management Authority service area, would result in cumulative solid waste impacts. This is considered a less than cumulatively considerable impact.

Energy and Communication

- Impact 4.12.8.1- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) would require additional electric and natural gas supplies, along with conveyance facilities for these and telephone and cable television services. This is considered a less than significant impact.

- Impact 4.12.8.2- Implementation of the proposed project (General Plan Update, Three Corridors Specific Plan, and Zoning Code Update) as well as potential development in the surrounding areas, would result in an increase in cumulative utility service demands. The proposed project would have a less than cumulatively considerable impact on electrical, natural gas, telephone, and cable television services.

Project Consistency with the 2010 FEIR

4.19(a) (Relocation/Expansion of Utilities) No Change Relative to the 2010 FEIR: The FEIR concluded that buildout of the General Plan and Three Corridors Specific Plan would increase demands for utilities and services systems including water, wastewater, storm drain, and energy and communications infrastructure and impacts would be less than significant. The proposed project will generate demand for utilities and services consistent with demand anticipated by the General Plan and Three Corridors Specific Plan. The site vicinity is well served by existing utilities, including water, wastewater, electricity, natural gas, telecommunication, cable, and storm drain infrastructure, all of which will be extended onsite.
There are two existing underground stormwater pipes that bisect the project site in the northeastern portion of the property. These pipes convey stormwater from public roadways in Pinole and the existing Pinole Shores Industrial Business Park to an outfall at the San Pablo Bay. One pipe is 48 inches and the other is 24 inches and they are serviced and maintained via access to facilities on the project site. The project would install a 24 inch stormwater pipeline to convey stormwater from the project to the junction with existing storm drainage infrastructure. Stormwater will be from impervious surfaces and overflow from proposed stormwater BMPs. The project would also install and maintain an access road for ongoing access and maintenance of the stormwater junction on an as need basis. None of the existing stormwater pipes would be expanded to accommodate the project.

Demand for utilities and service systems generated by the project is anticipated by the 2010 FEIR and would not require the relocation of existing infrastructure or its expansion beyond extension to the site to service the proposed project. Therefore, the project's impacts related to the relocation, construction, or expansion of utilities will not result in new or more severe impacts relative to the 2010 FEIR.

4.19(b) (Sufficient Water Supplies) No Substantial Change Relative to the 2010 FEIR: The FEIR concluded that the project would result in additional demands for water supplies and infrastructure and impacts would be less than significant.

The Pinole Shores II Project will utilize water obtained from the municipal water system to meet onsite water demands. East Bay Municipal Utility District (EBMUD) is the water provider. Water to the site is provided via the existing municipal water system and will be conveyed to the project through a water line and public utilities easement through the Pinole Shores Business Park that connects to the potable water main within the San Pablo Avenue right-of-way.

The EBMUD assesses water supplies against expected water demands for a 30-year planning horizon and outlines actions in its Urban Water Management Plan 2020 (UWMP) to deal with future uncertainties which includes a diversified and resilient portfolio as well as recycled water and conservation programs. Further, in accordance with Action GM2.2.1 verification by EBMUD is required for approval of new development to ensure that adequate water supply and quality can be provided. This is imposed through environmental **condition of approval UTIL-1** set forth below. Therefore, impacts due to insufficient water supplies or inadequate entitlements would not result in new or more severe impacts relative to those identified in the 2010 FEIR.

4.19(c) (Wastewater Capacity) No Substantial Change Relative to the 2010 FEIR: The FEIR concluded that buildout of the General Plan and Three Corridors Specific Plan would increase wastewater flows and demand for sanitary sewer facilities and impacts would be less than significant. The City of Pinole provides sanitary sewer service to the project site via an existing service line located within the San Pablo Avenue right-of-way. The project includes installation of a sanitary sewer pipe to collect wastewater from the project and discharge to the existing sanitary sewer infrastructure for conveyance, treatment, and processing.

As a project that is generally consistent with the General Plan and the Three Corridoes Specific Plan, the increase in wastewater generated by the project is within the flow capacity analyzed as part of the 2010 FEIR. Furthermore, the development will be subject to Development Impact Fees (Resolution No. 2018-29), including a fee for wastewater, which is used to fund maintenance and expansion of wastewater conveyance systems and treatment facilities. In accordance with mitigation measure 4.12.6.2 adequate wastewater capacity shall be demonstrated prior to issuance of Certificate of Occupation. This is imposed through environmental **condition of approval UTIL-2** set forth below. As such, the proposed project will not cause or exceed wastewater treatment requirements set forth by the Regional Water Quality Control Board, nor will the project necessitate the expansion or construction of wastewater conveyance or treatment facilities. Therefore, impacts to wastewater capacity would not result in new or more severe impacts relative to those identified in the 2010 FEIR.

4.19(d,e) (Solid Waste Generation/Compliance with Solid Waste Management) No Substantial Change Relative to the 2010 FEIR: The FEIR concluded that development resulting from buildout of the General Plan Update and Three Corridors Specific Plan would increase solid waste generation and the demand for related services and impacts would be less than significant. The proposed project will contribute to the generation of solid waste within the General Plan and Three Corridors Specific Plan area, as anticipated by the 2010 FEIR. The project applicant is required to adhere to all regulations governing the disposal of solid waste.

Republic Services provides solid waste collection services for recycling, organics, and landfill waste disposal. Although the waste stream generated by the project is expected to increase during construction and operation, it is not expected to exceed landfill capacity and is not expected to result in violations of federal, state, and local statutes and regulations related to solid waste. In accordance with General Plan Action CS.8.1.3 construction sites shall provide for the salvage, reuse or recycling of construction and demolition materials. This is imposed through environmental **condition of approval UTIL-3** set forth below. Pursuant to Action SE.5.1.2 to improve and expand curbside recycling services, the project is subject to environmental **conditions of approval UTIL-4** and **UTIL-5** set forth below. On December 7, 2021, the City adopted an ordinance to amend Chapter 8.10 of the Pinole Municipal Code to require organics recycling services for all residential and commercial customers,

pursuant to SB 1383, which provides that the state reduce organic waste disposal 75% by 2025 and rescue at least 20% of currently disposed surplus edible food by 2025. COA **UTIL–5** imposes the requirements for commercial businesses of Chapter 8.10 of the Pinole Municipal Code on the subject project as a light industrial use. Therefore, the disposal of solid waste resulting from project construction and operation would not result in new or more severe impacts relative to those identified in the 2010 FEIR.

2010 FEIR Mitigation Measures

MM 4.12.6.2 The City shall include an action in the General Plan requiring all future development to demonstrate that there is sufficient sewer/wastewater treatment capacity to accommodate the proposed development and that the required sewer/wastewater infrastructure is in place before issuance of Certificate of Occupancy. Furthermore, all on-site and off-site sewer conveyance systems shall be in place prior to the issuance of Certificate of Occupancy and all financing shall be assured to the satisfaction of the City.

Status: Applicable. The project is in the area considered as part of the Sanitary Sewer Master Plan 2022 (adopted on September 22, 2022), which indicated adequate facilities would be in place or expanded as necessary to accommodate the project with payment of required impact fees. Pursuant to this measure, the project is subject to Condition of Approval UTIL-2, which requires procurement of a will serve letter, verification of unique connections, and payment of development impact fees.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts to utilities and service systems, relative to what was identified the 2010 FEIR. The project is subject to environmental conditions of approval pursuant to mitigation identified in the 2010 FEIR and General Plan Actions as follows:

COA UTIL-1: Pursuant to Action GM 2.2.1 Service Standards, prior to issuance of a building permit, the applicant shall secure verification from EBMUD that adequate water supplies are available to serve the project and prior to issuance of occupancy the applicant shall demonstrate that all EBMUD water efficiency requirements have been fulfilled.

COA UTIL-2: Pursuant to MM 4.12.6.2, the project shall secure a can and will serve letter demonstrating that there is sufficient sewer/water treatment and conveyance capacity prior to issuance of Certificate of Occupancy. The proposed project shall have a unique connection to the public sewer collection system. The connection to the sewer system will require a permit from the City of Pinole, the payment of sewer user fees, and payment of a sewer connection fee prior to the issuance of building permits.

COA UTIL-3: Pursuant to General Plan Action CS.8.1.3 and in accordance with current CALGreen Building Code requirements, a Construction Waste Management Plan shall be prepared and implemented during all stages of construction. The Construction Waste Management Plan shall meet the minimum requirements of the CALGreen code for residential development including but not limited to regional material sourcing (A5.405.1), Bio-based materials (A5.105.2), Reused materials (A5.405.3), and materials with a recycled content (A5.405.4).

COA UTIL-4: In accordance with CALGreen Section 4.410.2 onsite recycling shall be provided in readily accessible areas for the depositing, storage and collection of non-hazardous materials including at a minimum paper, cardboard, glass, plastics, organic waste, and metals.

COA UTIL-5: The applicant shall coordinate with Republic Services to appropriately size trash enclosures and ensure that maximum waste stream diversion occurs by providing onsite pre-sorting for recyclables and compostable organic materials.

4.20. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024; and Contra Costa County Local Hazard Mitigation Plan, January 2018.

General Plan and Specific Plan EIR Findings Plan Set, prepared by HDO Architecture, dated March 18, 2024: The 2010 FEIR addressed wildfire risk in Chapters 4.8 and 4.13. The General Plan discusses Wildland Fire Hazards in Chapter 9, Health and Safety, and the Contract Costa County Local Hazard Mitigation Plan includes a wildfire risk assessment.

During wildfire events the city is exposed to direct effects of the wildfire, such as the loss of structures, and to the secondary effects of the wildfire, such as smoke and air pollution. Smoke generated by wildfire consists of emissions that contain particulate matter (soot, tar, water vapor, and minerals) and gases (carbon monoxide, carbon dioxide, nitrogen oxides). Public health impacts associated with wildfires include difficulty in breathing, odor, and reduction in visibility.

Due to the urban development pattern of Pinole and surrounding jurisdictions, wildfire risk is relatively low within the San Pablo Avenue corridor including the project site. Areas of the City that are most susceptible to wildfire hazards are located east of Appian Way, south of Interstate 80 at the City/County boundary. This area is designated as “Very High Fire Hazard Severity Zone” (VHFHSZ) within a State Responsibility Area by CAL FIRE.

Project Consistency with the 2010 FEIR

4.20(a) (Impair Emergency Plans) No Change Relative to the 2010 FEIR: The project is limited to the construction and operation of a light industrial use on a site planned for such uses. During construction activities, temporary lane closures on San Pablo Avenue may occur during frontage improvements and utility work that will be coordinated with Fire, Police, and emergency responders to ensure that through access in maintained and adequate response times are achievable. There are no elements of the project that would impair emergency response or evacuation routes. Therefore, the proposed project is not expected to substantially impair an adopted emergency response plan or emergency evacuation plan and there would be no change in impacts relative to the 2010 FEIR.

4.20(b-d) (Wildfire Risk Exacerbation, Infrastructure Contributing to Wildfire Risk, Exposure to Wildfire-Related Risks) No Change Relative to the 2010 FEIR: The project site is not located within a fire hazard severity zone and would not exacerbate wildfire risk. Very High Fire Hazard Severity Zone in Local Responsibility Area (LRA) is located approximately 1.4 miles to the southeast of the project site, across I-80.

New structures onsite would be built according to the latest California Building Code, which contains fire prevention standards for building materials, systems, and assemblies used in the exterior design. The project would not change the risk for wildlife relative to the findings of the 2010 FEIR. Therefore, the project would not exacerbate risks due to the uncontrolled spread of wildfire, pollutant concentrations from a wildfire, post-fire slope instability, or post-fire flooding.

The site is categorized as a Non-VHFHZ by CAL FIRE and surrounded by land designated as Non-VHFHZ on all sides. The vicinity is generally developed with urban land uses and is not adjacent to areas where there is a wildland urban interface fire hazard. As such, the project would not have impacts related to exposure of people or structures to a significant risk of loss, injury, or death involving fires. Therefore, impacts due to wildfire risk are not expected to be new or more severe relative to the 2010 FEIR as a result of the proposed project.

Applicable 2010 FEIR Mitigation Measures

There are no applicable 2010 FEIR mitigation measures to this project.

Conclusion and Environmental Conditions of Approval

The project would not result in any new or more severe impacts due to wildfire risk relative to what was identified the 2010 FEIR. The project consists of development within a Non-VHFHZ that is required to comply with the latest building code including fire safety standards for new construction.

4.21. MANDATORY FINDINGS OF SIGNIFICANCE

	New Significant Impact Not Identified in 2010 FEIR	More Severe Impact Relative to 2010 FEIR	No Substantial Change Relative to 2010 FEIR	No Change Relative to the 2010 FEIR
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number, or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☐	☒
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☐	☒
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☐	☒

Sources: City of Pinole General Plan/Specific Plan and EIR; Plan Set, prepared by HDO Architecture, dated March 18, 2024.

General Plan and Specific Plan EIR Findings

As presented above in Sections 4.1 through 4.20, the 2010 FEIR included an evaluation of cumulative impacts associated with implementation of the General Plan and the Three Corridors Specific Plan.

Project Consistency with the 2010 FEIR

4.21(a) (Degrade the Environment) No Change Relative to the 2010 FEIR: The project is located within the Three Corridors Specific Plan boundary and potential impacts associated with its development have been anticipated by the City's General Plan and analyzed in the 2010 FEIR. The project is consistent with the General Plan Land Use designation, goals, policies, and programs, as well as the Land Use Development Standard and Private Realm Design Guidelines set forth in the Three Corridors Specific Plan.

As described herein, the proposed project has the potential to result in environmental impacts primarily associated with temporary construction activities and environmental conditions of approval have been identified that avoid, reduce, or offset impacts consistent with the 2010 FEIR. This analysis identifies requirements and includes environmental conditions of approval to address applicable regulations related to suitable habitat and special-status species. With implementation of conditions of approval related to Biological Resources and Cultural Resources, as well as adherence to the City's uniformly applied development standards, the project's potential to degrade the quality of the environment would be substantially the same as those identified in the 2010 FEIR. As such, the project will not degrade the quality of the environment, reduce habitat, or affect cultural resources beyond what has already been disclosed and analyzed in the certified 2010 FEIR.

4.21(b) (Cumulatively Affect the Environment) No Change Relative to the 2010 FEIR: The CEQA Guidelines define cumulative impacts as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. The individual effects may be changes resulting from a single project or an increase in environmental impacts. The cumulative impact from several projects is the change in the environment which results from the incremental impact of the proposed

project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time" (Guidelines, Section 15355(a)(b)).

Cumulative impacts are evaluated using the 2010 FEIR as discussed throughout this document. Development of the proposed project, in combination with past, present, and future development in the city, would result in less than cumulatively considerable impacts to Visual Resources (aesthetics), Air Quality/Greenhouse Gases, Biological Resources, Cultural Resources, Geology and Soils, Hydrology and Water Quality, Land Use, Public Services, Noise, Population and Housing, and Traffic and Circulation. Cumulative long-term impacts from development within the city were identified and analyzed in the 2010 FEIR including implementation of the Three Corridors Specific Plan. Cumulatively considerable impacts as identified in the 2010 FEIR would occur to Air Quality, Greenhouse Gases (ozone and particulate matter), Transportation, and transportation-related Noise.

The project will contribute to cumulative impacts identified in the 2010 FEIR. As described in **Sections 4.1 – 4.20,** development of the project would not result in new or more severe impacts relative to those identified in the 2010 FEIR. The project is subject to applicable mitigation measures and General Plan Actions imposed as environmental conditions of approval. Implementation of identified conditions of approval as well as uniformly applied development standards would ensure that development of the proposed project would not result in cumulatively considerable environmental impacts beyond those addressed in the 2010 FEIR.

4.21(c) (Substantial Adverse Effect on Humans) No Change Relative to the 2010 FEIR: The Project would not result in any new or more substantial adverse effects on humans relative to the 2010 FEIR findings for the General Plan and the Three Corridors Specific Plan, within which the project is located, subject to the implementation of mitigation measures and General Plan action items imposed as environmental conditions of approval as specified in this document. As such, the Pinole Shores II Project will not result in new or more severe impacts beyond those identified in the 2010 FEIR that would directly or indirectly impact human beings onsite or in the project vicinity.

Applicable 2010 FEIR Mitigation Measures

None applicable beyond those identified in Section 4.1 through 4.20 above.

Conclusion

With uniformly applied development standards, mitigation measures imposed as environmental conditions of approval, and standard regulatory requirements, the project would not result in any new or more severe impacts relative to what was identified the 2010 FEIR.

5. REFERENCE DOCUMENTS

The following reference documents are hereby incorporated by reference and are available for review during normal business hours at the City of Pinole, 2131 Pear Street, in the Community Development Department.

5.1. TECHNICAL APPENDICES

A. Air Quality and Greenhouse Gas Assessment, prepared by Illingworth & Rodkin, April 25, 2024.

B. Biological Resources Analysis, Pinole Shores Project, prepared by Monk & Associates Environmental Consultants, October 12, 2022.

C. Cultural Resources Study, prepared by Evans & De Shazo Inc., January 4, 2023.

D. Geotechnical Exploration Report on Pinole Shores Commercial Development, prepared by KC Engineering, October 4, 2016.

D-1. Report of Testing and Observation During Super Pad Grading Operations, prepared by KC Engineering, October 31, 2019.

E. Phase 1 Environmental Site Assessment Report, prepared by AEI Consultants, September 3, 2022.

E-1. Soil Management Plan, prepared by Levine-Fricke, October 3, 2002.

F. Stormwater Control Plan (SWCP), prepared by Kister, Savio, & Rei, Inc., December 7, 2021.

G. Noise and Vibration Assessment, prepared by Illingworth & Rodkin, April 22, 2024.

H. Pinole Shores Project - Transportation Impact Analysis, prepared by Fehr & Peers, April 24, 2024.

H-1. Pinole Shores Project Transportation Demand Management Plan, prepared by Fehr & Peers, April 2024.

5.2. OTHER DOCUMENTS REFERENCED

1. 2022 California Green Building Standards Code (CALGreen), Effective January 1, 2023.
2. BAAQMD 2017 Bay Area Clean Air Plan, prepared by the Bay Area Air Quality Management District, April 2017.
3. BAAQMD Recommended Methods for Screening and Modeling Local Risks and Hazards, prepared by the BAAQMD, May 2011.
4. California Environmental Quality Act Air Quality Guidelines, prepared by the Bay Area Air Quality Management District, April 2022.
5. California Scenic Highway Mapping System, Scenic Highway System Lists, 2019. https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways, accessed August 2021.
6. City Council Resolution 2018-02. City of Pinole. June 19, 2018.
7. City Council Resolution 2018-29. City of Pinole. April 3, 2018.
8. Contra Costa County Local Hazard Mitigation Plan, January 2018.
9. National Flood Hazard Layer. FEMA. August 2021. https://www.fema.gov/flood-maps/national-flood-hazard-layer
10. Technical Advisory on Evaluating Transportation Impacts in CEQA, prepared by the State of California Governor's Office of Planning and Research, December 2018

11. Tsunami Hazard Area Map. California Department of Conservation, August 23, 2021. https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps

12. Fire Hazard Maps, Office of the State Fire Marshal, November 12, 2021, Osfm.fire.ca.gov

13. California Department of Conservation Farmland Mapping and Monitoring.

14. Urban Water Management Plan 2020 East Bay Municipal Utility District, Water Resources Planning Division EBMUD, June 2021.

15. Covenant and Environmental Restriction on 850 San Pablo Avenue, recorded by Contra Costa County Recorder's Office on December 17, 2002 (DOC-2002-0482270-00).

6. ENVIRONMENTAL CONDITIONS OF APPROVAL

The following conditions of approval have been identified through this analysis and ensure implementation of applicable mitigation measures and policies set forth in the General Plan, Three Corridors Specific Plan and the 2010 FEIR.

COA AES-1: The applicant shall ensure, and the City shall verify, that the final lighting plan incorporates applicable requirements set forth in Chapter 17.46 of the Pinole Municipal Code and General Plan Action CC.2.3.4, including that all outdoor lighting fixtures be designed, shielded, aimed, located, and maintained to shield adjacent properties and to not provide glare onto adjacent properties or roadways.

COA AQ-1: During construction activities including demolition and ground disturbance activities, on and offsite, the contractor shall implement the latest BAAQMD recommended Best Management Practices (BMPs) to control for fugitive dust and exhaust as follows:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material shall be covered.
3. All visible mud and dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as practicable. Building pads shall be laid as soon as practicable after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper working condition prior to operation.
8. A publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints shall be posted on the project site prior to the initiation of construction activities. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

COA AQ-2: During construction activities, contractors shall use construction equipment that has low diesel particulate matter exhaust to minimize emissions and limit use of diesel-powered equipment. The project shall implement a feasible plan to reduce diesel-powered machinery (DPM) emissions by no less than 70 percent through one or both of the following:

1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for particulate matter (PM_{10} and $PM_{2.5}$), if feasible. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 2 or 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 70 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination).

2. Develop a Construction Operations Plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 45 percent or greater. Such a plan shall be subject to review by an air quality expert and

approved by the City prior to commencement of ground-disturbing activities. Elements of the plan could include a combination of some or all of the following measures:

- Use equipment that meets EPA Tier 4 standards or alternatively fueled equipment.
- Install electric power lines during early construction phases to avoid use of diesel generators and compressors.
- Use electrically powered equipment.
- Use forklifts and aerial lifts for exterior and interior building construction that are electric or propane/natural gas powered.
- Change construction build-out plans to lengthen phases.
- Implement building techniques that result in the use of less diesel-powered equipment.

COA BIO-1: Protected trees and protected groves shall be avoided and protected during construction. During project construction, the following measures shall be implemented:

1. **Tree Protection Zone.** Construction workers and vehicles shall be excluded from entering or disturbing the protected grove to the southeast and the riparian woodland to the east of the project site will be installed and shall include but will not be limited to temporary orange construction fencing, silt fencing, fiber logs, and signage. Individual trees on the site or on the periphery of the site that may be impacted by construction shall be protected by exclusion fencing placed at the dripline. No trenching or excavation may occur within the tree protection zone. Following completion of construction activities all temporary fencing shall be removed.
2. **Tree Removal Permit.** If any protected trees need to be removed or are inadvertently killed in the course of construction or if any trenching, grading, or excavation must occur within a tree protection zone, a Tree Removal Permit will be applied for from the City of Pinole and shall be replaced in accordance with Chapter 17.96 of the Pinole Zoning Code.

COA BIO-2: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. **Avoid Nesting Season.** Grading or removal of potentially occupied habitat should be conducted outside the nesting season, which occurs between approximately February 1 and August 31.

2. **Survey for Nests.** If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey of the potentially occupied habitat onsite (trees, shrubs, grassland) and within 200 feet of the project site (i.e., within a zone of influence of the project site) shall be performed by a qualified biologist within 15 days of groundbreaking. The zone of influence includes those areas outside the project site where nesting birds could be disturbed by earth-moving vibrations and/or other construction-related noise. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent “take” of individual birds that could begin nesting after the survey.

3. **Establish Buffer Zones.** If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat.

    a. The radius of the required buffer zone can vary depending on the species, (i.e., 50-300 feet for passerines and 200-500 feet for raptors), with the dimensions of any required buffer zones to be determined by a qualified ornithologist or biologist in consultation with CDFW.

    b. To delineate the buffer zone around the occupied habitat, orange construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.

c. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriately adjusted by a qualified biologist as needed to avoid disturbance.

d. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

COA CUL-1: To ensure the project does not result in impacts to buried archaeological resources onsite, if present, the following shall be implemented:

1. **Training**. Prior to commencement of ground-disturbing activities, a Secretary of Interior qualified archaeologist shall conduct a preconstruction Cultural Resource Awareness training for construction personnel. The training shall familiarize individuals with the potential to encounter prehistoric artifacts or historic-era archaeological deposits, the types of archaeological material that could be encountered within the project area, and procedures to follow in the event of a discovery. A representative from the Indian Canyon Mutsun Band of Costanoan shall be invited to participate in the training.
2. **Post-review Discoveries**. In the event that cultural resources are exposed during construction, all earth work occurring within 50 feet of the find shall be immediately stopped until a Secretary of Interior-qualified Archaeologist inspects the material(s), assess historical significance, and consults with Tribes and other stakeholders as needed. Recommendations for the treatment of the discovery from the Archaeologist will be provided to the City, Tribes, and other stakeholders.
3. **Archaeological Monitoring**. If cultural resources are exposed during ground-disturbing activities, a Secretary of the Interior-qualified archeologist shall be onsite to monitor ongoing ground-disturbing activities. The monitor shall have the authority to temporarily halt work to inspect areas as needed for potential cultural materials or deposits. Daily monitoring logs shall be completed by the monitor and submitted to the City within 60 days following completion of construction work. The report shall include the results of the monitoring program (even if negative), a summary of any findings or evaluation/data recovery efforts, and supporting documentation (e.g., daily monitoring logs).

COA CUL-2: In the event that human remains are encountered within the project area during project-related, ground-disturbing activities, all work must stop within 100 feet of the discovery area, the area shall be secured to prevent further disturbance, and the County Coroner shall be immediately notified of the discovery. If the County Coroner determines that remains are, or are believed to be Native American, then the Native American Heritage Commission must be contacted by the Coroner so that a “Most Likely Descendant” (MLD) can be designated to provide further recommendations regarding treatment of the remains. A Secretary of Interior-qualified Archaeologist should also evaluate the historical significance of the discovery, the potential for additional human remains to be present, and to provide further recommendations for treatment of the resource in accordance with the MLD recommendations. Federal regulations require that Native American human remains, funerary objects, and object of cultural patrimony are handed consistent with the requirement of the Native American Graves Protection and Repatriation Act.

COA GEO-1: The applicant shall incorporate the recommendations of the Geotechnical Exploration Report prepared by KC Engineering (October 4, 2016) into construction drawings. Prior to issuance of a grading permit, the City shall review and accept the Geotechnical Report and verify that the Report provides adequate information for construction detail including detailed drainage, earthwork, foundation, and pavement recommendations. Final grading plan, construction plans, and building plans shall demonstrate that recommendations set forth in the geotechnical reports and/or to the satisfaction of the City Engineer/Chief Building Official have been incorporated into the design of the project.

Nothing in this condition of approval shall preclude the City Engineer and/or Chief Building Official from requiring additional information to determine compliance with applicable standards. The geotechnical engineer shall inspect the construction work and shall certify to the City, prior to issuance of a Certificate of Occupancy, that the improvements have been constructed in accordance with the geotechnical specifications.

COA GEO-2: Prior to issuance of a grading permit, an erosion control plan along with grading and drainage plans shall be submitted to the City Engineer for review. The project shall comply with stormwater management requirements and guidelines established by Contra Costa County under the Contra Costa Clean Water Program Stormwater C.3 Guidebook and incorporate Contra Costa County best management practices for erosion and sediment control for construction. All earthwork, grading, trenching, backfilling, and compaction operations shall be conducted in accordance with the City's Erosion Control requirements, Chapter 15.36.190 of the Municipal Code. Plans shall detail erosion control measures such as site watering, sediment capture, equipment staging and laydown pad, and other erosion control measures to be implemented during all construction activity and include all recommendations made in the Geotechnical Exploration Report to protect slopes from erosion.

COA GEO-3: Should any potentially unique paleontological resources (fossils) be encountered during development activities; work shall be suspended within 50 feet of the discovery and the City of Pinole Planning Division of the Community Development Department shall be immediately notified. At that time, the City will coordinate any necessary investigation of the discovery with a qualified paleontologist. The project proponent shall be required to implement any mitigation necessary for the protection of paleontological resources. The City and the project applicant shall consider the mitigation recommendations of the qualified paleontologist for any unanticipated discoveries. The City and the project applicant shall consult and agree upon implementation of a measure or measures that the City and project applicant deem feasible and appropriate. Such measures may include avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures.

COA GHG-1: The project shall comply with CALGreen Tier 2 EV parking requirements by incorporating the appropriate number of EV and EV capable parking spaces for the project size and type (e.g. for 101-150 parking stalls, there would need to be 19 stalls equipped with EVSE and 57 pre-plumbed with conduit for future installation of EVSE). As a warehouse project with more than 3 off-street loading spaces, the project shall install 400 KVA of additional raceway conduit and electrical panel capacity to accommodate the future charging of medium- and heavy-duty zero emissions vehicles as required by Section 5.106.5.4.1 of the CALGreen Building Standards Code.

COA HAZ-1: The Soil Management Plan (SMP) approved by the RWQCB in 2002 shall be implemented during the project construction. The SMP shall be the subject of construction worker trainings for all personnel involved in ground-disturbing activities prior to commencement of construction and for all incoming workers. A condensed version of SMP protocols shall be posted publicly and prominently at construction site gathering places and entry points.

COA HYD-1: Prior to issuance of a grading permit, the applicant shall prepare a design-level Stormwater Management Plan that incorporates stormwater management requirements and best management practices, per Pinole Municipal Code Chapter 8.20 and Contra Costa County Clean Water Program requirements, including the Contra Costa Clean Water Program Stormwater C.3 Guidebook and demonstrates that the storm drain system has adequate capacity to serve the project. The Stormwater Management Plan shall be reviewed and accepted by the City Engineer.

COA HYD-2: Prior to issuance of a grading permit, the applicant shall file a Notice of Intent with the RWQCB and demonstrate compliance with the Statewide General Permit for Construction Activities.

In accordance with the National Pollution Discharge Elimination System (NPDES) regulations, the applicant shall prepare and implement a project-specific Stormwater Pollution Prevention Plan, including an erosion control plan, for grading and construction activities. The SWPPP shall address erosion and sediment control during all phases of construction, storage and use of fuels, and use and clean-up of fuels and hazardous materials. The SWPPP shall designate locations where fueling, cleaning and maintenance of equipment can occur and shall ensure that protections are in place to preclude materials from entering into storm drains or the offsite drainage to the east. The contractor shall maintain materials onsite during construction for containments and clean-up of any spills. The applicant shall provide approval documentation from the RWQCB to the City verifying compliance with NPDES.

COA NOI-1: Construction activities including delivery and hauling shall comply with construction hours as provided under Pinole Municipal Code Section 15.02.070 and in accordance with construction best management practices for minimizing noise including:

1. Construction shall be limited to the hours of 7:00 a.m. to 5:00 p.m. Monday through Friday, excluding holidays. Saturday work is allowed in commercial zones only, from 9:00 a.m. to 6:00 p.m., as long as it is interior work and does not generate significant noise. Any work outside of these hours by the construction contractors should require a special permit from the City Manager. There should be compelling reasons for permitting construction outside of these designated hours.
2. The construction contractor shall locate stationary noise sources as far from existing sensitive receptors as possible. If stationary sources must be located near existing sensitive receptors, they shall be muffled and enclosed within temporary sheds or other structures.
3. At a minimum, the construction contractor shall implement the following control measures: improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically-attenuating shields or shrouds. Noise controls can reduce noise levels at 50 feet by 1 to 16 dBA, depending on the type of equipment.
4. Equipment used for project construction shall be hydraulically or electrically powered impact tools (e.g., jack hammers) wherever possible to avoid noise associated with compressed air exhaust from pneumatically-powered tools. Where use of pneumatically-powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. A muffler could lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dBA. Quieter procedures shall be used (such as drilling rather than impact equipment) wherever feasible.
5. The unnecessary idling of internal combustion engines on equipment, trucks, or vehicles is prohibited.
6. All construction trucks and vehicles shall access the site via San Pablo Avenue.
7. All staging of construction equipment, trucks, and vehicles shall be limited to the southern and western portions of the project site, as far away from residential development to the east as possible.
8. Prior to the commencement of any construction activities, the construction contractor shall notify, via mail, all residences within a 300-foot radius of the project site of the project's approximate construction schedule, including the approximate duration of demolition, clearing, grading, excavation, paving, and building construction, et al. In addition, at least 24 hours prior to grading activities, the construction contractor shall post signage in appropriate locations within a 300-foot radius of the project site. The signage shall include a phone number to the City Public Works Department for residents to call with noise complaints. If the City Public Works Department receives more than three complaint calls regarding construction noise, the City reserves the discretion to require the project applicant to conduct an acoustical noise analysis to determine more appropriate measures to reduce noise levels due to construction activities.

COA NOI-2: Prior to issuance of building permit, the preliminary sound wall design and specifications, as presented in Figure 2 of the Noise Report (Appendix G hereto), shall be reviewed by a qualified acoustical engineer and recommendations incorporated into the final design for review and approval by the City. The sound wall shall be continuous from grade to top, with no cracks or gaps, have a minimum surface density of three pounds per square foot (e.g. concrete masonry units (CMU)), 420 feet in length long, and with a minimum height of 10 feet to break the line-of-sight to the noise source, or as otherwise modified through final design per recommendations from an acoustical engineer and approval by the City. Prior to issuance of a certificate of occupancy, construction of the sound wall along the eastern site boundary shall be complete per final design and specification and/or as accepted by the City Engineer.

COA NOI-3: Exterior activities such as truck maneuvering, loading and unloading, and deliveries shall be limited to the hours between 7:00 a.m. and 7:00 p.m., Monday through Friday.

COA TRAN-1: Prior to the issuance of Building Permit, the applicant shall provide the project's fair share contribution as established by the City towards multi-modal improvements in the project vicinity as identified in the Three Corridors Specific Plan by installing a bus shelter at bus stop 25028 on San Pablo Avenue.

COA TRAN-2: Prior to issuance of the certificate of occupancy, a final Transportation Demand Management Plan shall be provided to the Community Development Department for review and approval. The TDM Plan shall include example materials that will be used to educate tenants and employees about the programs and require that a tenant management position assume the role of Transportation Coordinator and detail the program implementation schedule which shall commence with occupation of the building.

COA TRAN-3: To maintain adequate sight lines at the project driveways, pursuant to Pinole Municipal Code Section 17.98.020, signage, trees, and other landscaping features within the clear vision triangle at driveway and street intersections shall be maintained such that visibility is maintained between thirty (30) inches and seven (7) feet. The applicant shall be responsible for maintaining adequate sight lines from the project driveways and vegetation shall be trimmed to about one foot in height on the west sides of the driveways.

COA TRAN-4: Recommendations of the project specific Transportation Impact Analysis shall be implemented as follows or as otherwise reviewed and accepted by the City Engineer:

1. Prior to issuance of occupancy, the eastbound left turn pocket on San Pablo Avenue shall be lengthened from 60 to 130 feet, increasing the queue storage for large trucks (e.g., WB-40 and WB-67).

2. Prior to issuance of occupancy, the existing crosswalk across the project driveway shall be relocated closer to the intersection to align with the existing sidewalk along the north side of San Pablo Avenue, which would provide additional queue storage for vehicles exiting the project site and improve pedestrian circulation along the project frontage. The existing striping shall be adjusted to improve queue storage for vehicles exiting the project site.

3. Prior to issuance of occupancy, a new stop sign with pavement markings shall be installed at the private parking lot intersection immediately north of the intersection with San Pablo Avenue, which would minimize queuing within the project site, maintain access to the drive aisle just north of the project driveway, and minimize the inbound project queues spilling back onto San Pablo Avenue.

4. Prior to issuance of a building permit, the applicant shall submit designs for intersection improvements inclusive of a traffic signal for review and acceptance by the City Engineer. Prior to issuance of occupancy, a traffic signal and intersection redesign shall be installed at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection to the satisfaction of the City Engineer.

COA TCUL-1: To protect buried Tribal Cultural Resources that may be encountered during construction activities, the project shall implement environmental COA CUL-1 and COA CUL-2.

COA TCUL-2: To protect buried Tribal Cultural Resources that may be encountered during grading and excavation activities, a tribal cultural monitor shall be invited to be present during excavation that is anticipated to penetrate native soils, particularly in the area of the northeastern connection to the municipal storm drain. If tribal cultural resources are found, the Confederated Villages of Lisjan shall be notified as requested through consultation.

COA UTIL-1: Pursuant to Action GM 2.2.1 Service Standards, prior to issuance of a building permit, the applicant shall secure verification from EBMUD that adequate water supplies are available to serve the project and prior to issuance of occupancy the applicant shall demonstrate that all EBMUD water efficiency requirements have been fulfilled.

COA UTIL-2: Pursuant to MM 4.12.6.2, the project shall secure a can and will serve letter demonstrating that there is sufficient sewer/water treatment and conveyance capacity prior to issuance of Certificate of Occupancy. The proposed project shall have a unique connection to the public sewer collection system. The connection to the sewer system will require a permit from the City of Pinole, the payment of sewer user fees, and payment of a sewer connection fee prior to the issuance of building permits.

COA UTIL-3: Pursuant to General Plan Action CS.8.1.3 and in accordance with current CALGreen Building Code requirements, a Construction Waste Management Plan shall be prepared and implemented during all stages of construction. The Construction Waste Management Plan shall meet the minimum requirements of the CALGreen code for residential development including but not limited to regional material sourcing (A5.405.1), Bio-based materials (A5.105.2), Reused materials (A5.405.3), and materials with a recycled content (A5.405.4).

COA UTIL-4: In accordance with CALGreen Section 4.410.2 onsite recycling shall be provided in readily accessible areas for the depositing, storage and collection of non-hazardous materials including at a minimum paper, cardboard, glass, plastics, organic waste, and metals.

COA UTIL-5: The applicant shall coordinate with Republic Services to appropriately size trash enclosures and ensure that maximum waste stream diversion occurs by providing onsite pre-sorting for recyclables and compostable organic materials.

TECHNICAL APPENDICES

(Click on the links to jump to the appendix section)

A. Air Quality and Greenhouse Gas Assessment

B. Biological Resources Analysis, Pinole Shores Project

C. Cultural Resources Study

D. Geotechnical Exploration Report on Pinole Shores Commercial Development

D-1. Report of Testing and Observation During Super Pad Grading Operations

E. Phase 1 Environmental Site Assessment Report, prepared by AEI Consultants

E-1. Soil Management Plan, prepared by Levine-Fricke

F. Stormwater Control Plan (SWCP)

G. Noise and Vibration Assessment

H. Pinole Shores Project - Transportation Impact Analysis

H-1. Pinole Shores Project Transportation Demand Management Plan

830-848 SAN PABLO AVENUE PINOLE SHORES PROJECT AIR QUALITY & GREENHOUSE GAS ASSESSMENT

Pinole, California

April 25, 2024

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I&R Project#: 22-136

Introduction

The purpose of this report is to address air quality, health risk, and greenhouse gas impacts associated with the proposed warehouse project located at 830-848 San Pablo Avenue in Pinole, California. The air quality impacts from this project would be associated with construction of the new buildings and operation of the project. Air pollutant emissions were estimated using appropriate computer models. In addition, the potential health risks associated with construction and operation of the project and the impact of existing toxic air contaminant (TAC) sources affecting the nearby sensitive receptors were evaluated. The analysis was conducted following guidance provided by the Bay Area Air Quality Management District (BAAQMD).[1]

Project Description

The project site is located on a single vacant 7.37-acre parcel that is located at 830-848 San Pablo Avenue. The project proposes to construct a single light industrial building totaling approximately 119,226 square feet (sf). The project would include 137 parking spaces surrounding the project site and 18 loading docks located on the southeastern façade of the proposed building. The driveway to the site would be at the southeast portion. Truck loading and parking would occur in the southern portion of the site. A fire lane would surround much of the site and include additional parking for light-duty vehicles. Construction is expected to begin in January 2025 to be completed by July 2025.

Setting

The project is located in Contra Costa County, which is in the San Francisco Bay Area Air Basin. Ambient air quality standards have been established at both the State and federal level. The Bay Area meets all ambient air quality standards with the exception of ground-level ozone, respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$).

Air Pollutants of Concern

High ozone concentrations in the air basin are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides (NO_X). These precursor pollutants react under certain meteorological conditions to form ozone concentrations. Controlling the emissions of these precursor pollutants is the focus of the Bay Area's attempts to reduce ambient ozone concentrations. The highest ozone concentrations in the Bay Area occur in the eastern and southern inland valleys downwind of existing air pollutant sources. High ozone concentrations aggravate respiratory and cardiovascular diseases, reduced lung function, and increase coughing and chest discomfort.

Particulate matter is another problematic air pollutant in the air basin. Particulate matter is assessed and measured in terms of respirable particulate matter or particles that have a diameter of 10 micrometers or less (PM_{10}) and fine particulate matter where particles have a diameter of 2.5 micrometers or less ($PM_{2.5}$). Elevated concentrations of PM_{10} and $PM_{2.5}$ are the result of both

[1] Bay Area Air Quality Management District, *2022 CEQA Guidelines*, April 2023.

region-wide (or cumulative) emissions and localized emissions. High particulate matter concentrations aggravate respiratory and cardiovascular diseases, reduce lung function, increase mortality (e.g., lung cancer), and result in reduced lung function growth in children.

Toxic Air Contaminants

TACs are a broad class of compounds known to cause morbidity or mortality, often because they cause cancer. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter [DPM] near a freeway). Because chronic exposure of TACs can result in adverse health effects, they are regulated at the regional, State, and federal level.

Diesel exhaust is the predominant TAC in urban air and is estimated to represent about three-quarters of the cancer risk from TACs (based on the Bay Area average). According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects from diesel exhaust exposure a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB, and are listed as carcinogens either under the State's Proposition 65 or under the Federal Hazardous Air Pollutants programs. Health risks from TACs are estimated using the Office of Environmental Health Hazard Assessment (OEHHA) risk assessment guidelines, which were published in February of 2015 and incorporated into BAAQMD's CEQA guidance.[2]

Sensitive Receptors

There are groups of people more affected by air pollution than others. CARB has identified the following persons who are most likely to be affected by air pollution: children under 16, people over 65, athletes, and people with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive receptors. Locations that may contain a high concentration of these sensitive population groups include residential areas, hospitals, daycare facilities, elder care facilities, and elementary schools. For cancer risk assessments, infants and children are the most sensitive receptors, since they are more susceptible to cancer causing TACs. Residential locations are assumed to include infants and small children. The closest sensitive receptors to the project site are the multi-family residences on the eastern boundary of the project site. Additional sensitive receptors are located at further distances around the project site. This project would not introduce new sensitive receptors (i.e., residents) to the area.

Regulatory Setting

Federal Regulations

The United States Environmental Protection Agency (EPA) sets nationwide ambient air quality standards (NAAQS) and emission standards for mobile sources, which include on-road (highway)

[2] OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. February.

motor vehicles such trucks, buses, and automobiles, and non-road (off-road) vehicles and equipment used in construction, agricultural, industrial, and mining activities (such as bulldozers and loaders). The EPA also sets nationwide fuel standards.

In the past twenty years, the EPA has established a number of emission standards for on- and non-road heavy-duty diesel engines used in trucks and other equipment. This was done in part because diesel engines are a significant source of NO_X and particulate matter ($PM_{2.5}$) and because the EPA has identified DPM as a probable carcinogen. Implementation of the heavy-duty diesel on-road vehicle standards and the non-road diesel engine standards are estimated to reduce particulate matter and NO_X emissions from diesel engines up to 95 percent in 2030 when the heavy-duty vehicle fleet is completely replaced with newer heavy-duty vehicles that comply with these emission standards.[3]

In concert with the diesel engine emission standards, the EPA has also substantially reduced the amount of sulfur allowed in diesel fuels. The sulfur contained in diesel fuel is a significant contributor to the formation of particulate matter in diesel-fueled engine exhaust. The current standards limit the amount of sulfur allowed in diesel fuel to 15 parts per million by weight (ppmw). Ultra-low sulfur diesel (ULSD), as it is referred to, is required for use by all vehicles in the U.S.

All of the above federal diesel engine and diesel fuel requirements have been adopted by California, in some cases with modifications making the requirements more stringent or the implementation dates sooner.

State Regulations

The California Air Resources Board (CARB) has set statewide ambient air quality standards (CAAQS) and emission standards for on-road and off-road mobile sources that are more stringent than those adopted by the EPA. Several of these regulatory programs affect medium and heavy-duty diesel trucks that represent the bulk of DPM emissions from California highways. These regulations include the solid waste collection vehicle (SWCV) rule, in-use public and utility fleets, and the heavy-duty diesel truck and bus regulations. In 2008, CARB approved a regulation to reduce emissions of DPM and NO_X from on-road heavy-duty diesel fueled vehicles.[4] The regulation requires affected vehicles to meet specific performance requirements between 2014 and 2023, with all affected diesel vehicles required to have 2010 model-year engines or equivalent by 2023. These requirements have been phased in over the compliance period and depend on the model year of the vehicle.

CARB has also adopted and implemented regulations to reduce DPM and NO_X emissions from in-use (existing) and new off-road heavy-duty diesel vehicles (e.g., loaders, tractors, bulldozers, backhoes, off-highway trucks, etc.). The regulations apply to diesel-powered off-road vehicles with engines 25 horsepower (hp) or greater. The regulations are intended to reduce DPM and NO_X exhaust emissions by requiring owners to turn over their fleet (replace older equipment with newer

[3] USEPA, 2000. *Regulatory Announcement, Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*. EPA420-F-00-057. December.
[4] Available online: http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm. Accessed: November 21, 2014.

equipment) or retrofit existing equipment in order to achieve specified fleet-averaged emission rates. Implementation of this regulation, in conjunction with the Federal off-road equipment engine emission limits for new vehicles, has significantly reduce emissions of DPM and NO_X.

To address the issue of diesel emissions in the state, CARB developed the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*.[5] In addition to requiring more stringent emission standards for new on-road and off-road mobile sources and stationary diesel-fueled engines to reduce particulate matter emissions by 90 percent, a significant component of the plan involves application of emission control strategies to existing diesel vehicles and equipment. Many of the measures of the Diesel Risk Reduction Plan have been approved and adopted, including the Federal on-road and non-road emission standards for new diesel engines, as well as adoption of regulations for ULSD fuel in California.

Bay Area Air Quality Management District (BAAQMD)

BAAQMD has jurisdiction over an approximately 5,600-square mile area, commonly referred to as the San Francisco Bay Area (Bay Area). The District's boundary encompasses the nine San Francisco Bay Area counties, including Alameda County, Contra Costa County, Marin County, San Francisco County, San Mateo County, Santa Clara County, Napa County, southwestern Solano County, and southern Sonoma County.

BAAQMD is the lead agency in developing plans to address attainment and maintenance of the NAAQS and CAAQS. The District also has permit authority over most types of stationary equipment utilized for the proposed project. The BAAQMD is responsible for permitting and inspection of stationary sources; enforcement of regulations, including setting fees, levying fines, and enforcement actions; and ensuring that public nuisances are minimized.

BAAQMD's Community Air Risk Evaluation (CARE) program was initiated in 2004 to evaluate and reduce health risks associated with exposures to outdoor TACs in the Bay Area.[6] The program examines TAC emissions from point sources, area sources, and on-road and off-road mobile sources with an emphasis on diesel exhaust, which is a major contributor to airborne health risk in California. The CARE program is an on-going program that encourages community involvement and input. The technical analysis portion of the CARE program has been implemented in three phases that includes an assessment of the sources of TAC emissions, modeling and measurement programs to estimate concentrations of TAC, and an assessment of exposures and health risks. Throughout the program, information derived from the technical analyses has been used to develop emission reduction activities in areas with high TAC exposures and high density of sensitive populations. Risk reduction activities associated with the CARE program are focused on the most at-risk communities in the Bay Area. Seven areas have been identified by BAAQMD as impacted communities. They include Eastern San Francisco, Richmond/San Pablo, Western Alameda, San José, Vallejo, Concord, and Pittsburgh/Antioch.

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[5] California Air Resources Board, 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October.

[6] See BAAQMD: https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program.

Overburdened communities are areas located (i) within a census tract identified by the California Communities Environmental Health Screening Tool (CalEnviroScreen), Version 4.0 implemented by OEHHA, as having an overall score at or above the 70th percentile, or (ii) within 1,000 feet of any such census tract.[7] The BAAQMD has identified several overburdened areas within its boundaries. However, the project site is not within an overburdened area as the Project site is scored at the 42nd percentile on CalEnviroScreen.[8]

City of Pinole General Plan Update

The 2010 Pinole General Plan Update[9] outlines the long-range policy framework to guide decision-making related to sustainability and stewardship, community tapestry, and fiscal responsibly and economic health. The Health and Safety Element and Sustainability Element includes goals, policies and actions focused on improving air quality and reducing GHG emissions. The following goals, policies, and actions are applicable to the proposed project:

GOAL SE.6 Integrate green building standards into all new and rehabilitated development.

POLICY SE.6.1 Develop local green building and energy efficiency standards.

GOAL SE.7 Air Quality will be maintained and improved for the City of Pinole and the Bay Area as a region and not decline below levels measured in the early 1990's.

POLICY SE.7.1 Continue working with the Bay Area Air Quality Management District and other regional agencies to:

1. Improve air quality through pollution prevention methods.
2. Ensure enforcement of air emission standards.
3. Reduce local and regional traffic (the single largest source of air pollution in the city) and support public transit improvements.
4. Promote regional air pollution prevention plans for business and industry.
5. Promote strategies to reduce particulate pollution from residential fireplaces and wood-burning stoves.
6. Locate parking appropriately and provide adequate signage to reduce unnecessary "circling" and searching for parking.
7. Promote anti-idling policies and programs.

ACTION SE.7.1.1 Apply BAAQMD-approved criteria air pollutant reducing Basic Construction Mitigation Measures to all future construction projects within the GPU Planning Area where feasible whether or not construction related

[7] See BAAQMD: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-2-permits/2021-amendments/documents/20210722_01_appendixd_mapsofoverburdenedcommunities-pdf.pdf?la=en.
[8] OEHAA, CalEnviroScreen 4.0 Maps https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40
[9] City of Pinole, *Pinole General Plan Update*, November 2010. Web: https://p1cdn4static.civiclive.com/UserFiles/Servers/Server_10946972/File/City%20Government/Planning/General%20Plan/City_of_Pinole_2010_General_Plan%20with%202015-2023%20Housing%20Element%20Update.pdf

emissions exceed applicable Thresholds of Significance. These best management practices include the following:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations (BAAQMD, 2010).

BAAQMD CEQA Air Quality Guidelines

In June 2010, BAAQMD adopted thresholds of significance to assist in the review of projects under CEQA. In 2023, the BAAQMD revised the *California Environmental Quality Act* (*CEQA) Air Quality Guidelines* that include significance thresholds to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The current BAAQMD guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process consistent with CEQA requirements including thresholds of significance, mitigation measures, and background air quality information. They include assessment methodologies for criteria air pollutants, air toxics, odors, and GHG emissions, as shown in Table 1.[10] Air quality impacts and health risks are considered potentially significant if they exceed these thresholds.

The BAAQMD recommends all projects include a "basic" set of best management practices (BMPs) to manage fugitive dust and consider impacts from dust (i.e., fugitive PM_{10} and $PM_{2.5}$) to be less than significant if BMPs are implemented (listed below). BAAQMD strongly encourages enhanced BMPs for construction sites near schools, residential areas, other sensitive land uses, or if air quality impacts were found to be significant.

[10] Bay Area Air Quality Management District, 2023. *2022 CEQA Guidelines*. April.

Table 1. BAAQMD CEQA Air Quality Significance Thresholds

Criteria Air Pollutant	Construction Thresholds	Operational Thresholds	
	Average Daily Emissions (lbs./day)	Average Daily Emissions (lbs./day)	Annual Average Emissions (tons/year)
ROG	54	54	10
NO_x	54	54	10
PM_{10}	82 (Exhaust)	82	15
$PM_{2.5}$	54 (Exhaust)	54	10
CO	Not Applicable	9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust	Construction Dust Ordinance or other Best Management Practices	Not Applicable	
Health Risks and Hazards	**Single Sources Within 1,000-foot Zone of Influence**	**Combined Sources (Cumulative from all sources within 1000-foot zone of influence)**	
Excess Cancer Risk	10 per one million	100 per one million	
Hazard Index	1.0	10.0	
Incremental annual $PM_{2.5}$	0.3 $\mu g/m^3$	0.8 $\mu g/m^3$	
Greenhouse Gas Emissions			
Land Use Projects – (Must Include A or B)	A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: no net increase in existing VMT b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).		

Note: ROG = reactive organic gases, NOx = nitrogen oxides, PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, $PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less. GHG = greenhouse gases.

* BAAQMD strongly recommends implementing all feasible fugitive dust management practices especially when construction projects are located near sensitive communities, including schools, residential areas, or other sensitive land uses.

AIR QUALITY IMPACTS AND ENVIRONMENTAL CONDITIONS OF APPROVAL

Impact AIR-1: Conflict with or obstruct implementation of the applicable air quality plan?

BAAQMD is the regional agency responsible for overseeing compliance with State and Federal laws, regulations, and programs within the San Francisco Bay Area Air Basin (SFBAAB). BAAQMD, with assistance from the Association of Bay Area Governments (ABAG) and Metropolitan Transportation Commission (MTC), prepares and implements specific plans to meet the applicable laws, regulations, and programs. The most recent and comprehensive of which is the *Bay Area 2017 Clean Air Plan.*[11] The primary goals of the Clean Air Plan are to attain air quality standards, reduce population exposure and protect public health, and reduce GHG emissions and protect the climate. The BAAQMD has also developed CEQA guidelines to assist lead agencies in evaluating the significance of air quality and GHG impacts. In formulating compliance strategies, BAAQMD relies on planned land uses established by local general plans. Land use planning affects vehicle travel, which, in turn, affects region-wide emissions of air pollutants and GHGs.

The 2017 Clean Air Plan, adopted by BAAQMD in April 2017, includes control measures that are intended to reduce air pollutant emissions in the Bay Area either directly or indirectly. Guidance provided in the BAAQMD CEQA guidelines recommends that Plans show consistency with the control measures listed within the Clean Air Plan. At the project-level, there are no consistency measures or thresholds provided in BAAQMD's CEQA guidance. The proposed project would not conflict with the latest Clean Air planning efforts since 1) project would have emissions below the BAAQMD thresholds (see Impact below) and 2) the project would be considered urban infill as it develops an area previously analyzed and approved to be an active commercial or industrial land use. Therefore, the project would have less than significant impacts due to conflicts with the CAP.

Condition of Approval: None.

Impact AIR-2: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

The Bay Area is considered a non-attainment area for ground-level O_3 and $PM_{2.5}$ under both the NAAQS and the CAAQS. The area is also considered non-attainment for PM_{10} under the CAAQS, but not the NAAQS. The area has attained both State and Federal ambient air quality standards for CO. As part of an effort to attain and maintain ambient air quality standards for O_3, $PM_{2.5}$ and PM_{10}, the BAAQMD has established thresholds of significance for these air pollutants and their precursors. The O_3 precursor pollutant thresholds are for ROG and NOx, while PM_{10}, and $PM_{2.5}$ have specific thresholds. The thresholds apply to both construction period emissions and operational period emissions.

[11] Bay Area Air Quality Management District (BAAQMD), 2017. *Final 2017 Clean Air Plan.*

Construction Period Emissions

The California Emissions Estimator Model (CalEEMod) Version 2022 was used to estimate emissions from on-site construction activity, construction vehicle trips, and evaporative emissions. The project land use types and size, and anticipated construction schedule were input to CalEEMod. The CalEEMod model output along with construction inputs are included in *Attachment 1*.

CalEEMod Modeling

Land Use Inputs

The proposed project land uses were entered into CalEEMod as described in Table 2.

Table 2. Summary of Project Land Use Inputs

Project Land Uses	Size	Units	Square Feet	Acreage
Unrefrigerated Warehouse – No Rail	119.226	1,000-sf	119,226	7.37
Parking Lot	137	Parking Spaces	-	

Construction Inputs

CalEEMod computes annual emissions for construction that are based on the project type, size, and acreage. The model provides emission estimates for both on-site and off-site construction activities. On-site activities are primarily made up of construction equipment emissions, while off-site activity includes worker, hauling, and vendor traffic. The construction build-out scenario, including equipment quantities, average hours per day, total number of workdays, and schedule, were based on information provided by the project applicant (included in *Attachment 1)*. The construction schedules assumed that the earliest possible start date would be January 2025 and the project would be built out over a period of approximately 7 months or 151 construction workdays. The earliest full year of project operation was assumed to be 2026.

Construction Truck Traffic Emissions

Construction would produce traffic in the form of worker trips and truck traffic. The traffic-related emissions are based on worker and vendor trip estimates produced by CalEEMod and haul trips that were computed based on the amount of estimated demolition material to be exported, soil imported and/or exported to the site, and amount of concrete truck trips to and from the site. CalEEMod provides daily estimates of worker and vendor trips for each applicable phase. The total trips for those were computed by multiplying the daily trip rate by the number of days in that phase. Haul trips for demolition and grading were estimated by CalEEMod using the estimated demolition and provided oil import/export volumes. The number of total concrete haul trips was provided for the project and converted to daily one-way trips, assuming two trips per delivery.

Summary of Computed Construction Period Emissions

Average daily emissions were annualized for each year of construction by dividing the annual construction emissions by the number of active workdays during that year. Table 3 shows the unmitigated annualized average daily construction emissions of ROG, NO_X, PM_{10} exhaust, and $PM_{2.5}$ exhaust during construction of the project. As indicated in Table 3, predicted unmitigated annualized project construction emissions would not exceed the BAAQMD significance thresholds during construction.

Table 3. Construction Period Emissions

Year	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Construction Emissions Per Year (Tons)				
2025	0.70	0.65	0.03	0.0.2
BAAQMD Thresholds (tons per year)	*10 tons/year*	*10 tons/year*	*15 tons/year*	*10 tons/year*
Exceed Threshold?	No	No	No	No
Average Daily Construction Emissions Per Year (pounds/day)				
2025 (185 construction workdays)	9.21	8.65	0.36	0.33
BAAQMD Thresholds (pounds per day)	*54* lbs./day	*54* lbs./day	*82* lbs./day	*54* lbs./day
Exceed Threshold?	No	No	No	No

Construction activities, particularly during site preparation and grading, would temporarily generate fugitive dust in the form of PM_{10} and $PM_{2.5}$. Sources of fugitive dust would include disturbed soils at the construction site and trucks carrying uncovered loads of soils. Unless properly controlled, vehicles leaving the site would deposit mud on local streets, which could be an additional source of airborne dust after it dries. The BAAQMD CEQA Air Quality Guidelines consider construction impacts to be less-than-significant if best management practices are implemented to reduce these emissions. The City has adopted the BAAQMD CEQA Air Quality Guidelines best management practices to control dust and exhaust during construction activities under the City's General Plan Update Action SE.7.1.1. As a condition of approval, and to ensure compliance with Action SE.7.1.1, and latest BAAQMD best management practices, the project would be required to implement these practices during construction activities. Therefore, air pollutant emissions from the project construction would be less than significant.

Measures to reduce fugitive dust (i.e., $PM_{2.5}$) emissions from construction are recommended to ensure that health impacts to nearby sensitive receptors are minimized. During any construction period ground disturbance, the applicant shall ensure that the project contractor implements basic measures to control dust and exhaust. Implementation of the dust control measures recommended by BAAQMD and listed below would reduce the air quality impacts associated with grading and new construction to a less-than-significant level.

Condition of Approval AQ-1: Implement BAAQMD-Recommended Standard Measures to Control Particulate Matter Emissions during Construction.

The contractor shall implement the following best management practices:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.

2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.

4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).

5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.

6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.

8. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

Effectiveness of Condition of Approval AQ-1

Condition of Approval AQ-1 represents standard measures imposed by the General Plan that would achieve greater than a 50 percent reduction in on-site fugitive $PM_{2.5}$ emissions. These measures are consistent with recommendations in the BAAMQD CEQA Guidance for providing "best management practices" to control construction emissions.

Operational Period Emissions

Operational air emissions from the project would be generated primarily from trucks using the industrial warehouse and autos driven by future employees and vendors or customers. Evaporative ROG emissions from architectural coatings and maintenance products (classified as consumer products) are also associated with these types of projects. CalEEMod was used to estimate emissions from operation of the proposed project assuming full build-out.

CalEEMod Inputs

Land Uses

The project land uses were input to CalEEMod as described above for the construction period modeling.

Model Year

Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CalEEMod. The earliest year of full operation would be 2026 if construction begins in 2025. Emissions associated with build-out later than 2026 would be lower.

Traffic Information

CalEEMod allows the user to enter specific vehicle trip generation rates. Therefore, the project-specific daily trip generation rate provided by the traffic consultant was entered into the model.[12] This rate was calculated from the AM and PM peak hour traffic data. The project is expected to generate an estimated 985 daily trips. The Saturday and Sunday trip rates were derived by multiplying the ratio of the CalEEMod default rates for Saturday and Sunday trips to the default weekday rate with the project-specific daily weekday trip rate. The default trip lengths and trip types specified by CalEEMod were used.

Operational Truck Traffic Emissions

Based on information provided by the project traffic consultant, the project would generate 107 truck trips as deliveries to and from the project site. These trucks are assumed to be heavy heavy-duty trucks (HHDT) and are a source of long-term DPM emissions. These trucks would travel to and from the site and are anticipated to idle at loading docks for 5 minutes for each trip.

This analysis involved the development of criteria pollutant emissions for heavy-duty truck trips on San Pablo Avenue, the driveway from San Pablo Avenue to the project site, and around the project site using the Caltrans version of the CARB EMFAC2021 emissions model, known as CT-EMFAC2021. CT-EMFAC2021 provides emission factors for mobile source criteria pollutants and TACs, including DPM. Emission processes modeled include running exhaust for ROG, NO_x, DPM, and $PM_{2.5}$. DPM emissions are projected to decrease in the future and are reflected in the CT-EMFAC2021 emissions data. Inputs to the model include region (Contra Costa County), type of road (major/collector), heavy-heavy-duty truck trips accounting for 100% of the fleet mix, year of analysis (2026 - operational start year), and season (annual).

To estimate criteria pollutant emissions, the CT-EMFAC2021 model was used to develop vehicle emission factors for the year 2026 (operational start year). Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in

[12] Fehr & Peers, File: *Pinole_Shores_II_Volumes_air_noise_20240409.xlsx*

over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CT-EMFAC2021. Year 2026 emissions were conservatively assumed as being representative of future conditions over the time period that cancer risks are evaluated since overall vehicle emissions, and in particular diesel truck emissions, will decrease in the future. Finally, the default EMFAC2021 VMT-by-speed-bin information within CT-EMFAC2021 was combined with the emission factors, and an assumed 20-mile trip length, to calculate the emissions from truck travel. The emissions from truck trips are included in Table 4.

Energy

CalEEMod defaults for energy use were used, which include the 2019 Title 24 Building Standards. GHG emissions modeling includes those indirect emissions from electricity consumption. The electricity produced emission rate was modified in CalEEMod. Marin Clean Energy (MCE) is the default electricity provider in Pinole. CalEEMod has a default emission factor of 187.983 pounds of CO_2 per megawatt of electricity produced.

According to the project applicant, the project will be all electric. Therefore, natural gas use for the unrefrigerated warehouse land use was set to zero and reassigned to electricity use in CalEEMod.

Summary of Computed Operational Period Emissions

Annual emissions were predicted using CalEEMod. The daily emissions were calculated assuming 365 days of operation. Table 4 shows average daily emissions of ROG, NO_X, total PM_{10}, and total $PM_{2.5}$ during operation of the project. The operational period emissions would not exceed the BAAQMD significance thresholds. Model summaries and output are provided in *Attachment 1*.

Table 4. Operational Period Emissions

Scenario	ROG	NOx	PM_{10}	$PM_{2.5}$
2026 Project Operational Emissions (*tons/year*)	1.20	0.52	1.08	0.28
Project Truck Trips (*tons/year*)	0.01	0.65	0.43	0.08
Total Operational Emissions (*tons/year*)	1.21	1.17	1.51	0.36
BAAQMD Thresholds (tons /year)	*10 tons*	*10 tons*	*15 tons*	*10 tons*
Exceed Thresholds?	No	No	No	No
2026 Project Operational Emissions (*lbs./day*)[1]	6.61	6.44	8.27	1.96
BAAQMD Thresholds (lbs./day)	*54 lbs.*	*54 lbs.*	*82 lbs.*	*54 lbs.*
Exceed Threshold?	No	No	No	No

Notes: [1] Assumes 365-day operation.

Impact AIR-3: Expose sensitive receptors to substantial pollutant concentrations?

This project would introduce new sources of TACs during construction (i.e., on-site construction and truck hauling emissions) and operation (i.e., heavy-duty truck trips). Project construction activity would generate dust and equipment exhaust that would affect nearby sensitive receptors. The project would increase traffic consisting of mostly light-duty vehicles, which would produce TAC and air pollutant emissions.

Project impacts to existing sensitive receptors were addressed for temporary construction activities and long-term operational conditions. There are also several sources of existing TACs and localized air pollutants in the vicinity of the project. The impact of existing sources of TACs was assessed in terms of the cumulative risk which includes the project contribution, as well as the risk on the new sensitive receptors introduced by the project.

Health Risk Methodology

Health risk impacts were addressed by predicting increased cancer risk, the increase in annual $PM_{2.5}$ concentrations, and by computing the Hazard Index (HI) for non-cancer health risks. The risk impacts from the project are the combination of risks from construction and operation sources. These sources include on-site construction activity, construction truck hauling, and increased traffic from the project. To evaluate the increased cancer risks from the project, a 30-year exposure period was used, per BAAQMD guidance,[13] with the sensitive receptors being exposed to both project construction and operation emissions during this timeframe.

The project increased cancer risk is computed by summing the project construction cancer risk and operation cancer risk contributions. Unlike the increased maximum cancer risk, the annual $PM_{2.5}$ concentration and HI values are not additive but based on the annual maximum values for the entirety of the project. The project's theoretical maximally exposed individual (MEI) is identified as the sensitive receptor that is most impacted by the project's construction and operation.

The methodology for computing health risks impacts is contained in Appendix E of the BAAQMD CEQA Guidelines. TAC and $PM_{2.5}$ emissions are calculated, a dispersion model used to estimate ambient pollutant concentrations, and cancer risks and HI calculated using DPM concentrations.

Modeled Sensitive Receptors

Receptors for this assessment included locations where sensitive populations would be present for extended periods of time (i.e., chronic exposures). This includes the nearby residences to the north and east of the project site, as shown in Figure 1. Residential receptors are assumed to include all receptor groups (i.e., third trimester, infants, children, and adults) with almost continuous exposure to project emissions. While there are additional sensitive receptors within 1,000 feet of the project site, the receptors chosen are adequate to identify maximum impacts from the project.

Health Risk from Project Construction

The primary health risk impact issues associated with construction projects are cancer risks associated with diesel exhaust (i.e., DPM), which is a known TAC, and exposure to high ambient concentrations of dust (i.e., $PM_{2.5}$). DPM poses both a potential health and nuisance impact to nearby receptors. A health risk assessment of the project construction activities was conducted that evaluated potential health effects to nearby sensitive receptors from construction emissions of DPM and $PM_{2.5}$.[14] This assessment included dispersion modeling to predict the offsite

[13]BAAQMD, Appendix E of the 2022 *BAAQMD CEQA Guidelines*, April 2023
[14] DPM is identified by California as a toxic air contaminant due to the potential to cause cancer.

concentrations resulting from project construction, so that lifetime cancer risks and non-cancer health effects could be estimated.

Construction Emissions

The CalEEMod model provided total uncontrolled annual PM_{10} exhaust emissions (assumed to be DPM) for the off-road construction equipment and for exhaust emissions from on-road vehicles. Total DPM emissions were estimated to be 0.03 tons (54 pounds) and fugitive dust emissions ($PM_{2.5}$) to be 0.08 tons (158 pounds) from all construction stages. The on-road emissions are a result of haul truck travel during grading activities, worker travel, and vendor deliveries during construction. A trip length of one mile was used to represent vehicle travel while at or near the construction site. It was assumed that the emissions from on-road vehicles traveling at or near the site would occur at the construction site.

Dispersion Modeling

The U.S. EPA AERMOD dispersion model was used to predict DPM and $PM_{2.5}$ concentrations at sensitive receptors (i.e., residences) in the vicinity of the project construction area. The AERMOD dispersion model is a BAAQMD-recommended model for use in modeling analysis of these types of emission activities for CEQA projects.[15] Emission sources for the construction site were grouped into two categories: exhaust emissions of DPM and fugitive $PM_{2.5}$ dust emissions.

Construction Sources

To represent the construction equipment exhaust emissions, an area source emission release height of 20 feet (6 meters) was used for the area sources.[16] The release height incorporates both the physical release height from the construction equipment (i.e., the height of the exhaust pipe) and plume rise after it leaves the exhaust pipe. Plume rise is due to both the high temperature of the exhaust and the high velocity of the exhaust gas. It should be noted that when modeling an area source, plume rise is not calculated by the AERMOD dispersion model as it would do for a point source (exhaust stack). Therefore, the release height from an area source used to represent emissions from sources with plume rise, such as construction equipment, should be based on the height the exhaust plume is expected to achieve, not just the height of the top of the exhaust pipe.

For modeling fugitive $PM_{2.5}$ emissions, a near-ground level release height of 7 feet (2 meters) was used for the area source. Fugitive dust emissions at construction sites come from a variety of sources, including truck and equipment travel, grading activities, truck loading (with loaders) and unloading (rear or bottom dumping), loaders and excavators moving and transferring soil and other materials, etc. All of these activities result in fugitive dust emissions at various heights at the point(s) of generation. Once generated, the dust plume will tend to rise as it moves downwind across the site and exit the site at a higher elevation than when it was generated. For all these reasons, a 7-foot release height was used as the average release height across the construction site.

[15] BAAQMD, Appendix E of the 2022 *BAAQMD CEQA Guidelines*, April 2023

[16] California Air Resource Board, 2007. *Proposed Regulation for In-Use Off-Road Diesel Vehicles, Appendix D: Health Risk Methodology*. April. Web: https://ww3.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm

Emissions from the construction equipment and on-road vehicle travel were distributed throughout the modeled area sources. Figure 1 shows the project construction site and receptors.

AERMOD Inputs and Meteorological Data

The modeling used a five-year meteorological data set (2013-2017) from the Conoco Philips Hillcrest site prepared for use with the AERMOD model by the BAAQMD. Construction emissions were modeled as occurring Monday through Friday between 7:00 a.m. to 7:00 p.m., when the majority of construction and truck activity would occur according to the project applicant. Annual DPM and $PM_{2.5}$ concentrations from construction activities during the 2025 period and truck activity during the 2026 period were calculated using the model. DPM and $PM_{2.5}$ concentrations were calculated at nearby sensitive receptors. Receptor heights of 5 feet (1.5 meters) and 15 feet (4.5 meters) were used to represent the breathing height on the first and second floors of nearby single- and multi-family residences.[17]

Health Risks from Project Operation

As discussed above in the operational period emissions section, there would be 107 truck trips to the project site per day. These trucks are assumed to be heavy heavy-duty trucks (HHDT) and are a source of long-term DPM emissions. These trucks would travel to and from the site and are anticipated to idle at loading docks for 5 minutes for each trip.

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions from the heavy heavy-duty truck trips in the same manner as described above for the criteria pollutant emissions from the truck trips. However, emission processes modeled include running exhaust for DPM, $PM_{2.5}$ and total organic compounds (TOG), running evaporative losses for TOG, and tire and brake wear and fugitive road dust for $PM_{2.5}$. Additionally, $PM_{2.5}$ emissions from vehicle tire and brake wear from re-entrained roadway dust were included in these emissions.

To estimate TAC and $PM_{2.5}$ emissions over the 30-year exposure period used for calculating the increased cancer risks for sensitive receptors near the project site, the CT-EMFAC2021 model was used to develop vehicle emission factors for the year 2026 (construction start year). Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CT-EMFAC2021. Year 2026 emissions were conservatively assumed as being representative of future conditions over the time period that cancer risks are evaluated since, as discussed above, overall vehicle emissions, and in particular diesel truck emissions, will decrease in the future.

For all hours of the day an average speed of 40 mph on San Pablo Avenue, 25 mph on the driveway, and 5 mph around the project site was assumed for all vehicles. Hourly emissions rates were developed for DPM, organic TACs, and $PM_{2.5}$ along the applicable segments of San Pablo Avenue within 1,000 feet of the project site, the driveway, and the project site. AERMOD was used to

[17] Bay Area Air Quality Management District, 2012, Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0. May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

estimate the TAC and $PM_{2.5}$ concentrations at the nearby sensitive receptors. Maximum increased lifetime cancer risks and maximum annual $PM_{2.5}$ concentrations were then computed using modeled TAC and $PM_{2.5}$ concentrations and BAAQMD methods and exposure parameters.

Dispersion Modeling

Dispersion modeling of TAC and $PM_{2.5}$ emissions was conducted using the EPA AERMOD air quality dispersion model, which is recommended by the BAAQMD for this type of analysis.[18] TAC and $PM_{2.5}$ emissions from truck trips on San Pablo Avenue within 1,000 feet of the project site, the driveway, and the project site were evaluated. Vehicle traffic on the roadways and to/from the loading area was modeled using a series of area sources along a line (line area sources); with line segments used for travel in opposing directions. An area source was used to represent truck idling emissions near the loading area. Trucks were assumed to idle for 5 minutes. The same meteorological data and off-site sensitive receptors used in the previous construction site dispersion modeling scenario were used in the truck trip modeling.

Other inputs to the model included road geometry, hourly traffic emissions, and receptor locations. Annual TAC and $PM_{2.5}$ concentrations using 2026 emissions from truck trips on San Pablo Avenue, the driveway, and the project site were calculated using the model. Concentrations were calculated at the MEI with receptor heights of 5 feet (1.5 meter) were used to represent the breathing heights on the first floor of the single-family residence.

Computed Cancer and Non-Cancer Health Impacts

The cancer risk, $PM_{2.5}$ concentration, and HI impacts from truck trips are shown in Table 5. Figure 1 shows the areas modeled and receptor locations where concentrations were calculated. Details of the emission calculations, dispersion modeling, and cancer risk calculations for the receptors with the maximum cancer risk from truck trips are provided in *Attachment 2*.

Summary of Project-Related Health Risks at the Off-Site Project MEI

The maximum increased cancer risks were calculated using the modeled TAC concentrations combined with BAAQMD CEQA guidance for age sensitivity factors and exposure parameters. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. Third trimester, infant, child, and adult exposures were assumed to occur at all residences during the entire construction period.

Non-cancer health hazards and maximum $PM_{2.5}$ concentrations were also calculated. The maximum modeled annual $PM_{2.5}$ concentration was calculated based on combined exhaust and fugitive concentrations. The maximum computed HI value was based on the ratio of the maximum DPM concentration modeled and the chronic inhalation DPM reference exposure level of 5 $\mu g/m^3$.

The maximum modeled annual DPM and $PM_{2.5}$ concentrations were identified at nearby sensitive receptors to find the MEI. The risk impacts from a project are the combination of construction and operation sources. These sources include one year of on-site construction activity and twenty-nine

[18] BAAQMD. *Recommended Methods for Screening and Modeling Local Risks and Hazards*. May 2012

years of operational truck trips. The maximum project cancer risk impact is computed by adding the construction cancer risk for an infant/child to the increased cancer risk for the project operational conditions from the truck traffic at the MEI. Residential sensitive receptors were assumed to be present near the site for up to 30 years. The cancer risks from construction and operation of the project were summed together. Unlike the increased maximum cancer risk, the annual $PM_{2.5}$ concentration and HI risks are not cumulative but based on an annual maximum risk for the entirety of the project.

Results of this assessment indicated that the project MEI was located on the first floor (1.5 meters) of a multi-family residence east of the project site. The location of the MEI and nearby sensitive receptors are shown in Figure 1. Table 5 summarizes the maximum cancer risks, $PM_{2.5}$ concentrations, and health hazard indexes for project related construction activities. *Attachment 2* to this report includes the emission calculations used for the construction modeling and the cancer risk calculations.

Table 5. Project Risk Impacts at the Off-Site Receptors

Source		Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project Construction (Years 0-1)	Without COA	**12.69 (infant)**	**0.34**	0.01
	With COA	2.42 (infant)	0.12	<0.01
Project Truck Trips (Years 1-30)		0.80 (infant)	0.01	<0.01
Total/Maximum Project Impacts (Years 0-30)	Without COA	**13.49**	**0.34**	0.01
	With COA	3.22	0.12	<0.01
BAAQMD Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Without COA	***Yes***	***Yes***	*No*
	With COA	*No*	*No*	*No*

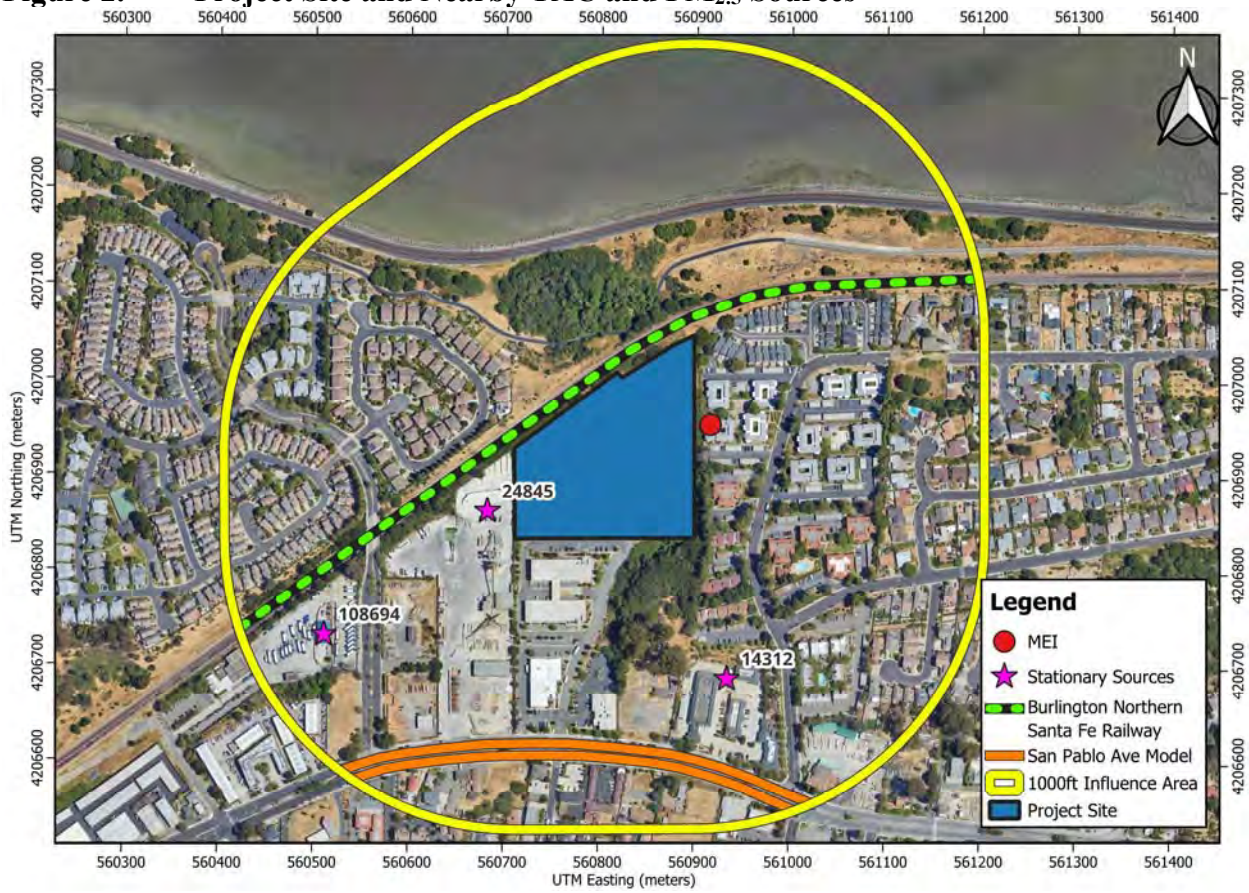
Figure 1. Locations of Project Construction Site, Off-Site Sensitive Receptors, Truck Route, Onsite Trucks, and Maximum TAC Impact Location (MEI)

Cumulative Health Risks of all TAC Sources at the Off-Site Project MEI

Cumulative health risk assessments look at all substantial sources of TACs located within 1,000 feet of a project site (i.e., influence area) that can affect sensitive receptors. These sources include freeways or highways, busy surface streets, and stationary sources identified by BAAQMD.

A review of the traffic data provided by the applicant's traffic consultant found that one roadway, San Pablo Avenue, within 1,000 feet of the project site would have traffic exceeding 10,000 vehicles per day. All other roadways would have less than 10,000 vehicles per day. A review of BAAQMD's stationary source geographic information systems (GIS) map tool identified three stationary sources within the influence area. The Burlington Northern Santa Fe Railroad is also near the project site. Figure 3 shows the project area, TAC sources within the influence area, and the location of the MEI. Details of the modeling and health risk calculations are included in *Attachment 3*.

Figure 2. Project Site and Nearby TAC and $PM_{2.5}$ Sources



Local Roadways – San Pablo Avenue

A refined analysis of potential health impacts from vehicle traffic on San Pablo Avenue was conducted. This analysis involved predicting emissions for the traffic volume and mix of vehicle types on the roadway near the project site and using an atmospheric dispersion model to predict exposure to TACs. The associated cancer risks were then computed based on the modeled exposures.

Traffic Emissions Modeling

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions for traffic on San Pablo Avenue in the same manner as described above for the operational truck trips. However, $PM_{2.5}$ emissions from vehicle tire and brake wear and from re-entrained roadway dust were also included in the emissions estimate. Further, inputs to the model were adjusted to include region (Contra Costa County), type of road (major/collector), truck percentage for non-state highways in Contra Costa County (3.59 percent),[19] traffic mix assigned by CT-EMFAC2021 for the county, year of analysis (2025 – construction start year), and season (annual).

[19] Bay Area Air Quality Management District, 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

Average hourly traffic distributions for Contra Costa County roadways were developed using the EMFAC model,[20] which were then applied to the average daily traffic (ADT) volumes to obtain estimated hourly traffic volumes and emissions for the roadway. The estimated ADT for San Pablo Avenue was 18,911 vehicles based on a 1% increase per year from a measured ADT of 18,360 vehicles in 2022. An average travel speed of 40 miles per hour (mph) on San Pablo Avenue was used for all hours of the day based on posted speed limit signs.

Dispersion Modeling

Dispersion modeling of TAC and $PM_{2.5}$ emissions from vehicles traveling on San Pablo Avenue was conducted in the same manner as described above for the operational truck trips. Concentrations were calculated at the project MEI with receptor heights of 5 feet (1.5 meters) to represent the breathing heights on the first floor in the nearby residence.

Computed Cancer and Non-Cancer Health Impacts

The cancer risk, $PM_{2.5}$ concentration, and HI impacts from the roadway on the off-site MEI are shown in Table 6. Figure 2 shows the roadway links modeled and receptor locations where concentrations were calculated. Details of the emission calculations, dispersion modeling, and cancer risk calculations for the receptors with the maximum cancer risk from roadway traffic are provided in *Attachment 3.*

Railways – Burlington Northern Santa Fe Railroad

The project MEI is located near the Burlington Northern Santa Fe Railroad. Cancer risk, $PM_{2.5}$ concentrations, and HI associated with trains on the railroad were estimated using BAAQMD screening values provided via GIS data files (i.e., raster files). BAAQMD raster files provide screening-level cancer risk, $PM_{2.5}$ concentrations, and HI for railways within the Bay Area and were produced using AERMOD and 20x20-meter emissions grid. The raster file uses Appendix E of the Air District's CEQA Air Quality Guidance for risk assessment assumptions. Note that BAAQMD's screening values are considered higher than values that would be obtained with refined modeling methods. Screening-level cancer risk, $PM_{2.5}$ concentration, and HI for the Burlington Northern Santa Fe Railroad at the project MEI are listed in Table 6.

[20] The Burden output from EMFAC2007, a previous version of CARB's EMFAC model, was used for this since the current web-based version of EMFAC2021 does not include Burden type output with hour-by-hour traffic volume information.

BAAQMD Permitted Stationary Sources

Permitted stationary sources of air pollution near the project site were identified using BAAQMD's *Permitted Stationary Sources 2020* GIS website,[21] which identifies the location of nearby stationary sources and their estimated risk and hazard impacts, including emissions and adjustments to account for new OEHHA guidance. Three sources, a gas dispensing facility, a concrete manufacturer, and an auto body shop, were identified using this tool. A Stationary Source Information Form (SSIF) containing the identified sources was prepared and submitted to BAAQMD. BAAQMD provided input and clarification about the stationary sources. The screening level risks and hazards provided by BAAQMD for the stationary sources were adjusted for distance using BAAQMD's *Distance Adjustment Multiplier Tool for Gasoline Dispensing Facility and Generic Equipment*. Health risk impacts from stationary sources upon the MEI are reported in Table 6.

Stationary-Source: Central Concrete Pinole Plant (Plant #24845)

The project site is near a ready-mix concrete manufacturing plant, Central Concrete Pinole Plant, that is permitted to operate as Plant #24845. Concrete plants are a source of $PM_{2.5}$ emissions associated with the pulverization of raw material and other processes at the facility. BAAQMD provides screening $PM_{2.5}$ risk predictions for this facility through their Source Risk & Hazards Screening Report that was ran on September 9, 2022. The screening annual $PM_{2.5}$ concentration at the facility was reported at 5.9 ug/m^3. Since screening projections indicated the annual $PM_{2.5}$ emissions would be far above the single-source threshold, the next step in this evaluation was to conduct a more refined screening assessment of the facility based on additional tools. This involved obtaining actual emissions data for the facility through a public information request to BAAQMD to obtain facility $PM_{2.5}$ emission rates.[22]

For modeling fugitive $PM_{2.5}$ emissions, an area source with a near-ground level release height of 7 feet (2 meters) was used. The emission rate for the area source was based on the size of the parcel the Central Concrete plant is located on, and the $PM_{2.5}$ emissions reported by BAAQMD. It is assumed that the emissions generated by the Central Concrete plant would be distributed evenly over the entire area source. Once generated, the dust plume will tend to rise as it moves downwind across the site and exit the site at a higher elevation than when it was generated. For this reason, a 7-foot release height was used as the average release height across the Central Concrete site. The emission rates and source calculations used in the analysis are shown in *Attachment 3*.

Summary of Cumulative Health Risk Impact at Construction MEI

Table 6 reports both the project and cumulative health risk impacts at the sensitive receptors most affected by the project (i.e., the MEI). The health risks from project activities would exceed the maximum increased cancer risk and $PM_{2.5}$ concentrations single-source thresholds. However, with the implementation of *Condition of Approval AQ-1 and AQ-2*, the increased cancer risk and $PM_{2.5}$ concentrations would no longer exceed the BAAQMD single-source thresholds. Further,

[21] BAAQMD, https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3
[22] Correspondence with Matthew Hanson, Environmental Planner II, BAAQMD, October 10, 2022.

regardless of application of AQ-1 and AQ-2, none of the BAAQMD cumulative-source thresholds are exceeded. Therefore, the cumulative health risk impacts at the construction MEI are considered to be less than significant. All cancer risk calculations assume that an infant is present during the period of time when the highest emissions from project construction occur. This ensures that the quantified cancer risk is the highest possible risk value.

Table 6. Impacts from Combined Sources at Project MEI

Source		Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project Impacts				
Total/Maximum Project Impacts (Years 0-30)	Without COA	**13.49 (infant)**	**0.34**	0.01
	With COA	3.22 (infant)	0.12	<0.01
BAAQMD Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Without COA	***Yes***	***Yes***	*No*
	With COA	*No*	*No*	*No*
Cumulative Sources				
Crocketts Premier Auto Body (Facility ID #14312, Automotive Body, Paint, and Interior Repair and Maintenance), MEI at 955 ft		-	-	<0.01
Central Concrete Pinole Plant (Facility ID #24845, Ready-Mix Concrete Manufacturing), MEI at 850 ft[1]		-	0.12	-
Western Contra Costa Transit Authority (Facility ID #108694_1, Gas Dispensing Facility), MEI at 1000+ ft		0.01	-	<0.01
Burlington Northern Santa Fe Railway		6.63	0.01	0.01
San Pablo Avenue, 18,544 ADT		0.19	0.01	<0.01
Combined Sources	Without COA	20.32	0.48	<0.05
	With COA	10.05	0.26	<0.05
BAAQMD Cumulative Source Threshold		***100***	***0.8***	***10.0***
Exceed Threshold?	Without COA	*No*	*No*	*No*
	With COA	*No*	*No*	*No*

[1] The annual $PM_{2.5}$ concentration for the Central Concrete source was modeled using AERMOD.

Conditions of Approval AQ-2: Use construction equipment that has low diesel particulate matter exhaust to minimize emissions and limit use of diesel-powered stationary equipment.

Implement a feasible plan to reduce DPM emissions by 45 percent such that increased cancer risk and annual $PM_{2.5}$ concentrations from construction would be reduced below TAC significance levels as follows:

1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for particulate matter (PM_{10} and $PM_{2.5}$), if feasible, otherwise,

    a. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 2 or 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 45 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination).

2. Alternatively, the applicant may develop another construction operations plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 45 percent or greater. Elements of the plan could include a combination of some of the following measures:
    - Implementation of No. 1 above to use Tier 4 engines or alternatively fueled equipment,
    - Installation of electric power lines during early construction phases to avoid use of diesel generators and compressors,
    - Use of electrically-powered equipment,
    - Forklifts and aerial lifts used for exterior and interior building construction shall be electric or propane/natural gas powered,
    - Change in construction build-out plans to lengthen phases, and
    - Implementation of different building techniques that result in less diesel equipment usage.

    Such a construction operations plan would be subject to review by an air quality expert and approved by the City prior to construction.

Effectiveness of Conditions of Approval AQ-1 and AQ-2

CalEEMod was used to compute emissions associated with these conditions of approval assuming that all equipment met U.S. EPA Tier 4 Interim engine standards and BAAQMD best management practices for construction were included. With these conditions implemented, the project's construction cancer risk impact, assuming infant exposure, would be reduced by 81 percent to 2.42 per million and the combined project cancer risk impact would be reduced to 5.16 per million at the residential MEI. Similarly, the projects annual $PM_{2.5}$ concentration would be reduced by 65 percent to 0.12 $\mu g/m^3$ from 0.34 $\mu g/m^3$. A plan that reduces DPM emissions by 45 percent would reduce cancer risk and annual $PM_{2.5}$ concentrations to below the BAAQMD single-source thresholds far enough such that including the increased cancer risk from the heavy-duty truck trips, which cannot be mitigated, would keep the project under the BAAQMD single-source threshold. As a result, the project's construction and operational risk impacts are considered less than significant.

GREENHOUSE GAS EMISSIONS

Setting

Gases that trap heat in the atmosphere, GHGs, regulate the earth's temperature. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate. The most common GHGs are carbon dioxide (CO_2) and water vapor but there are also several others, most importantly methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). These are released into the earth's atmosphere through a variety of natural processes and human activities. Sources of GHGs are generally as follows:

- CO_2, CH_4, and N_2O are byproducts of fossil fuel combustion.
- N_2O is associated with agricultural operations such as fertilization of crops.
- CH_4 is commonly created by off-gassing from agricultural practices (e.g., keeping livestock) and landfill operations.
- Chlorofluorocarbons (CFCs) were widely used as refrigerants, propellants, and cleaning solvents but their production has been stopped by international treaty.
- HFCs are now used as a substitute for CFCs in refrigeration and cooling.
- PFCs and sulfur hexafluoride emissions are commonly created by industries such as aluminum production and semi-conductor manufacturing.

Each GHG has its own potency and effect upon the earth's energy balance. This is expressed in terms of a global warming potential (GWP), with CO_2 being assigned a value of 1 and sulfur hexafluoride being several orders of magnitude stronger. In GHG emission inventories, the weight of each gas is multiplied by its GWP and is measured in units of CO_2 equivalents (CO_2e).

An expanding body of scientific research supports the theory that global climate change is currently affecting changes in weather patterns, average sea level, ocean acidification, chemical reaction rates, and precipitation rates, and that it will increasingly do so in the future. The climate and several naturally occurring resources within California are adversely affected by the global warming trend. Increased precipitation and sea level rise will increase coastal flooding, saltwater intrusion, and degradation of wetlands. Mass migration and/or loss of plant and animal species could also occur. Potential effects of global climate change that could adversely affect human health include more extreme heat waves and heat-related stress; an increase in climate-sensitive diseases; more frequent and intense natural disasters such as flooding, hurricanes and drought; and increased levels of air pollution.

Federal and Statewide GHG Emissions

The U.S. EPA reported that in 2022, total gross nationwide GHG emissions were 5,215.6 million metric tons (MMT) carbon dioxide equivalent (CO_2e).[23] These emissions were lower than peak levels of 7,416 MMT that were emitted in 2007. CARB updates the statewide GHG emission

[23] United States Environmental Protection Agency, 2022. *Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2020*. February. Web: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks

inventory on an annual basis where the latest inventory includes 2000 through 2019 emissions.[24] In 2019, GHG emissions from statewide emitting activities were 418.2 MMT CO_2e. The 2019 emissions have decreased by 30 percent since peak levels in 2007 and are 7.2 MMT CO_2e lower than 2018 emissions level and almost 13 MMT CO_2e below the State's 2020 GHG limit of 431 MMT CO_2e. Per capita GHG emissions in California have dropped from a 2001 peak of 14.0 MT CO_2e per person to 10.5 MT CO_2e per person in 2019.

Recent Regulatory Actions for GHG Emissions

Executive Order S-3-05 – California GHG Reduction Targets

Executive Order (EO) S-3-05 was signed by Governor Arnold Schwarzenegger in 2005 to set GHG emission reduction targets for California. The three targets established by this EO are as follows: (1) reduce California's GHG emissions to 2000 levels by 2010, (2) reduce California's GHG emissions to 1990 levels by 2020, and (3) reduce California's GHG emissions by 80 percent below 1990 levels by 2050.

Assembly Bill 32 – California Global Warming Solutions Act (2006)

Assembly Bill (AB) 32, the Global Warming Solutions Act of 2006, codified the State's GHG emissions target by directing CARB to reduce the State's global warming emissions to 1990 levels by 2020. AB 32 was signed and passed into law by Governor Schwarzenegger on September 27, 2006. Since that time, the CARB, CEC, California Public Utilities Commission (CPUC), and Building Standards Commission have all been developing regulations that will help meet the goals of AB 32 and Executive Order S-3-05, which has a target of reducing GHG emissions 80 percent below 1990 levels.

A Scoping Plan for AB 32 was adopted by CARB in December 2008. It contains the State's main strategies to reduce GHGs from business-as-usual emissions projected in 2020 back down to 1990 levels. Business-as-usual (BAU) is the projected emissions in 2020, including increases in emissions caused by growth, without any GHG reduction measures. The Scoping Plan has a range of GHG reduction actions, including direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system.

As directed by AB 32, CARB has also approved a statewide GHG emissions limit. On December 6, 2007, CARB staff resolved an amount of 427 million metric tons (MMT) of CO_2e as the total statewide GHG 1990 emissions level and 2020 emissions limit. The limit is a cumulative statewide limit, not a sector- or facility-specific limit. CARB updated the future 2020 BAU annual emissions forecast, in light of the economic downturn, to 545 MMT of CO_2e. Two GHG emissions reduction measures currently enacted that were not previously included in the 2008 Scoping Plan baseline inventory were included, further reducing the baseline inventory to 507 MMT of CO_2e. Thus, an estimated reduction of 80 MMT of CO_2e is necessary to reduce statewide emissions to meet the AB 32 target by 2020.

[24] CARB. 2021. *California Greenhouse Gas Emission for 2000 to 2019*. Web: https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2019/ghg_inventory_trends_00-19.pdf

Executive Order B-30-15 & Senate Bill 32 GHG Reduction Targets – 2030 GHG Reduction Target

In April 2015, Governor Brown signed EO B-30-15, which extended the goals of AB 32, setting a GHG emissions target at 40 percent of 1990 levels by 2030. On September 8, 2016, Governor Brown signed Senate Bill (SB) 32, which legislatively established the GHG reduction target of 40 percent of 1990 levels by 2030. In November 2017, CARB issued *California's 2017 Climate Change Scoping Plan*.[25] While the State is on track to exceed the AB 32 scoping plan 2020 targets, this plan is an update to reflect the enacted SB 32 reduction target.

SB 32 was passed in 2016, which codified a 2030 GHG emissions reduction target of 40 percent below 1990 levels. CARB has drafted a 2022 Scoping Plan Update to reflect the 2030 target set by Executive Order B-30-15 and codified by SB 32. The 2022 draft plan:

- Identifies a path to keep California on track to meet its SB 32 GHG reduction target of at least 40 percent below 1990 emissions by 2030.
- Identifies a technologically feasible, cost-effective path to achieve carbon neutrality by 2045 or earlier.
- Focuses on strategies for reducing California's dependency on petroleum to provide consumers with clean energy options that address climate change, improve air quality, and support economic growth and clean sector jobs.
- Integrates equity and protecting California's most impacted communities as a driving principle.
- Incorporates the contribution of natural and working lands to the state's GHG emissions, as well as its role in achieving carbon neutrality.
- Relies on the most up to date science, including the need to deploy all viable tools, including carbon capture and sequestration as well a direct air capture.
- Evaluates multiple options for achieving our GHG and carbon neutrality targets, as well as the public health benefits and economic impacts associated with each.

The draft Scoping Plan Update was published on May 10, 2022 and, once final, will lay out how the state can get to carbon neutrality by 2045 or earlier. It is also the first Scoping Plan that adds carbon neutrality as a science-based guide and touchstone beyond statutorily established emission reduction targets.[26]

The mid-term 2030 target is considered critical by CARB on the path to obtaining an even deeper GHG emissions target of 80 percent below 1990 levels by 2050, as directed in Executive Order S-3-05. The 2022 Draft Scoping Plan outlines the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure, providing a blueprint to continue driving down GHG emissions and to not only obtain the statewide goals, but cost-effectively achieve carbon-neutrality by 2045 or earlier. In the draft 2022 Scoping Plan, CARB recommends:

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[25] California Air Resource Board, 2017. *California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Targets.* November. Web: https://ww2.arb.ca.gov/sites/default/files/classic//cc/scopingplan/scoping_plan_2017.pdf

[26] https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents

- VMT per capita reduced 12% below 2019 levels by 2030 and 22% below 2019 levels by 2045.
- 100% of Light-duty vehicle sales are zero emissions vehicles (ZEV) by 2035.
- 100% of medium duty/heavy duty vehicle sales are ZEV by 2040.
- 100% of passenger and other locomotive sales are ZEV by 2030.
- 100% of line haul locomotive sales are ZEV by 2035.
- All electric appliances in new residential and commercial building beginning 2026 (residential) and 2029 (commercial).
- 80% of residential appliance sales are electric by 2030 and 100% of residential appliance sales are electric by 2035.
- 80% of commercial appliance sales are electric by 2030 and 100% of commercial appliance sales are electric by 2045.

Executive Order B-55-18 – Carbon Neutrality

In 2018, a new statewide goal was established to achieve carbon neutrality as soon as possible, but no later than 2045, and to maintain net negative emissions thereafter. CARB and other relevant state agencies are tasked with establishing sequestration targets and create policies/programs that would meet this goal.

Senate Bill 375 – California's Regional Transportation and Land Use Planning Efforts (2008)

California enacted legislation (SB 375) to expand the efforts of AB 32 by controlling indirect GHG emissions caused by urban sprawl. SB 375 provides incentives for local governments and applicants to implement new conscientiously planned growth patterns. This includes incentives for creating attractive, walkable, and sustainable communities and revitalizing existing communities. The legislation also allows applicants to bypass certain environmental reviews under CEQA if they build projects consistent with the new sustainable community strategies. Development of more alternative transportation options that would reduce vehicle trips and miles traveled, along with traffic congestion, would be encouraged. SB 375 enhances CARB's ability to reach the AB 32 goals by directing the agency in developing regional GHG emission reduction targets to be achieved from the transportation sector for 2020 and 2035. CARB works with the metropolitan planning organizations (e.g. Association of Bay Area Governments [ABAG] and Metropolitan Transportation Commission [MTC]) to align their regional transportation, housing, and land use plans to reduce vehicle miles traveled and demonstrate the region's ability to attain its GHG reduction targets. A similar process is used to reduce transportation emissions of ozone precursor pollutants in the Bay Area.

Senate Bill 350 - Renewable Portfolio Standards

In September 2015, the California Legislature passed SB 350, which increases the states Renewables Portfolio Standard (RPS) for content of electrical generation from the 33 percent target for 2020 to a 50 percent renewables target by 2030.

Senate Bill 100 – Current Renewable Portfolio Standards

In September 2018, SB 100 was signed by Governor Brown to revise California's RPS program goals, furthering California's focus on using renewable energy and carbon-free power sources for its energy needs. The bill would require all California utilities to supply a specific percentage of their retail sales from renewable resources by certain target years. By December 31, 2024, 44 percent of the retails sales would need to be from renewable energy sources, by December 31, 2026 the target would be 40 percent, by December 31, 2017 the target would be 52 percent, and by December 31, 2030 the target would be 60 percent. By December 31, 2045, all California utilities would be required to supply retail electricity that is 100 percent carbon-free and sourced from eligible renewable energy resource to all California end-use customers.

California Building Standards Code – Title 24 Part 11 & Part 6

The California Green Building Standards Code (CALGreen Code) is part of the California Building Standards Code under Title 24, Part 11.[27] The CALGreen Code encourages sustainable construction standards that involve planning/design, energy efficiency, water efficiency resource efficiency, and environmental quality. These green building standard codes are mandatory statewide and are applicable to residential and non-residential developments. The most recent CALGreen Code (2019 California Building Standard Code) was effective as of January 1, 2020.

The California Building Energy Efficiency Standards (California Energy Code) is under Title 24, Part 6 and is overseen by the California Energy Commission (CEC). This code includes design requirements to conserve energy in new residential and non-residential developments, while being cost effective for homeowners. This Energy Code is enforced and verified by cities during the planning and building permit process. The current energy efficiency standards (2019 Energy Code) replaced the 2016 Energy Code as of January 1,2020. Under the 2019 standards, single-family homes are predicted to be 53 percent more efficient than homes built under the 2016 standard due more stringent energy-efficiency standards and mandatory installation of solar photovoltaic systems. For nonresidential developments, it is predicted that these buildings will use 30 percent less energy due to lightening upgrades.[28]

CEC studies have identified the most aggressive electrification scenario as putting the building sector on track to reach the carbon neutrality goal by 2045.[29] Installing new natural gas infrastructure in new buildings will interfere with this goal. To meet the State's goal, communities have been adopting "Reach" codes that prohibit natural gas connections in new and remodeled buildings.

Requirements for electric vehicle (EV) charging infrastructure are set forth in Title 24 of the California Code of Regulations and are regularly updated on a 3-year cycle. The CALGreen standards consist of a set of mandatory standards required for new development, as well as two

[27] See: https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen#:~:text=CALGreen%20is%20the%20first%2Din,to%201990%20levels%20by%202020.
[28] See: https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf
[29] California Energy Commission. 2021. F*inal Commission Report: California Building Decarbonization Assessment. Publication Number CEC-400-2021-006-CMF*.August

more voluntary standards known as Tier 1 and Tier 2. The CalGreen standards have recently been updated (2022 version) to require deployment of additional EV chargers in various building types, including multifamily residential and nonresidential land uses. They include requirements for both EV capable parking spaces and the installation of Level 2 EV supply equipment for multifamily residential and nonresidential buildings. The 2022 CALGreen standards include requirements for both EV readiness and the actual installation of EV chargers. The 2022 CALGreen standards include both mandatory requirements and more aggressive voluntary Tier 1 and Tier 2 provisions. Providing EV charging infrastructure that meets current CALGreen requirements will not be sufficient to power the anticipated more extensive level of EV penetration in the future that is needed to meet SB 30 climate goals.

SB 743 Transportation Impacts

Senate Bill 743 required lead agencies to abandon the old "level of service" metric for evaluating a project's transportation impacts, which was based solely on the amount of delay experienced by motor vehicles. In response, the Governor's Office of Planning and Research (OPR) developed a VMT metric that considered other factors such as reducing GHG emissions and developing multimodal transportation[30]. A VMT-per-capita metric was adopted into the CEQA Guidelines Section 15064.3 in November 2017. Given current baseline per-capita VMT levels computed by CARB in the 2030 Scoping Plan of 22.24 miles per day for light-duty vehicles and 24.61 miles per day for all vehicle types, the reductions needed to achieve the 2050 climate goal are 16.8 percent for light-duty vehicles and 14.3 percent for all vehicle types combined. Based on this analysis (as well as other factors), OPR recommended using a 15-percent reduction in per capita VMT as an appropriate threshold of significance for evaluating transportation impacts.

Advanced Clean Cars

The Advanced Clean Cars Program, originally adopted by CARB in 2012, was designed to bring together CARB's traditional passenger vehicle requirements to meet federal air quality standards and also support California's AB 32 goals to develop and implement programs to reduce GHG emissions back down to 1990 levels by 2020, a goal achieved in 2016 as a result of numerous emissions reduction programs.

This recent rule, *Advanced Clean Cars II (ACC II)* is phase two of the original rule. ACC II establishes a year-by-year process, starting in 2026, so all new cars and light trucks sold in California will be zero-emission vehicles by 2035, including plug-in hybrid electric vehicles. The regulation codifies the light-duty vehicle goals set out in Governor Newsom's Executive Order N-79-20. Currently, 16 percent of new light-duty vehicles sold in California are zero emissions or plug-in hybrids. By 2030, 68 percent of new vehicles sold in California would be zero emissions and 100 percent by 2035.

[30] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December.

City of Pinole General Plan Update

The Pinole General Plan Update[31] outlines the long-range policy framework to guide decision-making related to sustainability and stewardship, community tapestry, and fiscal responsibly and economic health. The Health and Safety Element and Sustainability Element includes goals, policies and actions focused on improving air quality and reducing GHG emissions. The following goals, policies, and actions are applicable to the proposed project:

POLICY HS.6.2 Reduce greenhouse gas emissions.

GOAL SE.3 The City will reduce its contribution to climate change and mitigate and adapt to the effects of climate change as appropriate.

POLICY SE.3.1 Reduce greenhouse gas emissions from City operations and community sources by a minimum of 15 percent below current or baseline levels by the year 2020.

ACTION SE.3.1.1 Complete the in-progress Greenhouse Gas Emissions Inventory for Government Operations and the community (or Planning Area) consistent with State or other accepted protocol. The Inventory shall provide a business-as-usual forecast for GHG emissions for 2020 and 2030.

ACTION SE.3.1.2 Within 12 months of completion of a baseline GHG Inventory, initiate development of a Climate Action Plan that identifies how the City will achieve its 15% reduction target by 2020, at a minimum.

POLICY SE.3.4 Reduce GHG emissions by reducing vehicle miles traveled and by increasing or encouraging the use of alternative fuels and transportation technologies.

GOAL SE.4 Optimize energy efficiency and renewable energy.

The city is currently in the process of adopting a Climate Action and Adaptation Plan (CAAP) with expected adoption to be in mid-2023.[32] The goal of the CAAP is to target a 40% reduction below 1990 levels by 2030, which would put the City on the path to achieve carbon neutrality before 2045. Therefore, once adopted, the City's CAAP will be considered a qualified GHG reduction strategy that meets the State CWQA Guidelines Section 15183.5. Since the plan has not been adopted yet, the BAAQMD's CEQA Air Quality Guideline's thresholds are used.

[31] City of Pinole, *Pinole General Plan Update*, November 2010. Web: https://p1cdn4static.civiclive.com/UserFiles/Servers/Server_10946972/File/City%20Government/Planning/General%20Plan/City_of_Pinole_2010_General_Plan%20with%202015-2023%20Housing%20Element%20Update.pdf

[32] City of Pinole, 2018. *Climate Action and Adaptation Plan*. January 2023. Web: https://www.ci.pinole.ca.us/city_government/public_works/sustainability/climate_action_and_adaptation_plan

BAAQMD GHG Significance Thresholds

On April 20, 2022, BAAQMD adopted new thresholds of significance for operational GHG emissions from land use projects for projects beginning the CEQA process. The following framework is how BAAQMD will determine GHG significance moving forward.[33] Note BAAQMD intends that the thresholds apply to projects that begin the CEQA process after adoption of the thresholds, unless otherwise directed by the lead agency. The new thresholds of significance are:

A. Projects must include, at a minimum, the following project design elements:
   a. Buildings
      i. The project will not include natural gas appliances or natural gas plumbing (in both residential and non-residential development).
      ii. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.
   b. Transportation
      i. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:
         1. Residential Projects: 15 percent below the existing VMT per capita
         2. Office Projects: 15 percent below the existing VMT per employee
         3. Retail Projects: no net increase in existing VMT
      ii. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

Any new land use project would have to include either section A or B from the above list, not both, to be considered in compliance with BAAQMD's GHG thresholds of significance.

Impact GHG-1: The project would generate greenhouse gas emissions, either directly or indirectly, that would have a less than significant impact on the environment.

GHG emissions associated with development of the proposed project would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust and worker and vendor trips. There would also be long-term operational emissions associated with vehicular traffic within the project vicinity, energy and water usage, and solid waste disposal.

[33] Justification Report: BAAQMD CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Project and Plans. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-thresholds-2022/justification-report-pdf.pdf?la=en

Emissions for the proposed project are discussed below and were analyzed using the methodology recommended in the BAAQMD CEQA Air Quality Guidelines.

CalEEMod Modeling

CalEEMod was used to predict GHG emissions from operation of the site assuming full build-out of the project. The project land use types and size and other project-specific information were input to the model, as described above within the construction period emissions. CalEEMod output is included in *Attachment 1*.

Construction GHG Emissions

GHG emissions associated with construction were computed at 137 MT of CO_2e for the total construction period. These are the emissions from on-site operation of construction equipment, vendor and hauling truck trips, and worker trips. Neither the City nor BAAQMD have an adopted threshold of significance for construction-related GHG emissions, though BAAQMD recommends quantifying emissions and disclosing that GHG emissions would occur during construction. Pursuant to AQ-1 above, the project will incorporate BAAQMD best management practices to reduce GHG emissions during construction, and therefore impacts will be less than significant.

Operational GHG Emissions

The CalEEMod model, along with the project vehicle trip generation rates, were used to estimate daily emissions associated with operation of the fully-developed site under the proposed project. As shown in Table 7 for informational purposes only, annual GHG emissions resulting from operation of the proposed project are predicted to be 1,844 MT of CO_2e in 2026.

Table 7. Annual Project GHG Emissions (CO_2e) in Metric Tons

Source Category	Proposed Project in 2026
Area	2
Energy Consumption	119
Mobile	1,057
Mobile – Truck Trips	600
Solid Waste Generation	35
Water Usage	32
Total (MT CO_{2e}/year)	1,844

Condition of Approval: None.

Impact GHG-2: Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The proposed building would be constructed in conformance with CALGreen and the Title 24 Building Code, which requires high-efficiency water fixtures, water-efficient irrigation systems, and compliance with current energy efficacy standards. To avoid interference with statewide

GHG reduction measures identified in CARB's Scoping Plan and SB 100 goals, the project includes the following:

1. The project is all-electric and no natural gas will be used.
    - Conforms – the project will be all electric.
2. Avoid wasteful or inefficient use of electricity,
    - Conforms – would meet CALGreen Building Standards Code requirements that are considered to be energy efficient.
3. Include electric vehicle charging infrastructure that meets current Building Code CALGreen Tier 2 compliance, and
    - Conforms – project includes 19 EV spaces which is the minimum required by CALGreen Tier 2.
4. Reduce VMT per service population by 15 percent over regional average.
    - Conforms – Per the project's traffic consultant[34], the prior project's VMT per worker is applicable to this updated project design. It was computed to be 12.8 miles per worker, which is 18% below the region-wide average of 15.6 miles per worker.[35]

Since the project is expected to comply with all four BAAQMD GHG thresholds, the GHG-1 and GHG-2 impacts from the proposed project would be considered less than significant.

Conditions of Approval: None.

[34] Email from Alaina Lipp, April 17, 2024
[35] Fehr & Peers Pinole Shores Project – VMT Analysis and Trip Generation, File: Pinole_Shores_VMT_Trip_Gen_20221021 (OE 10.26.22).pdf

Supporting Documentation

Attachment 1 includes the CalEEMod output for project construction and operational criteria air pollutant. Also included are any modeling assumptions.

Attachment 2 is the health risk assessment. This includes the summary of the dispersion modeling and the cancer risk calculations for construction and operation. The AERMOD dispersion modeling files for this assessment, which are quite voluminous, are available upon request and would be provided in digital format.

Attachment 3 includes the cumulative health risk calculations from existing sources affecting the construction MEI.

Attachment 1: CalEEMod Modeling Inputs and Outputs

Air Quality/Noise Construction Information Data Request

Project Name: **Pinole Shores**

See Equipment Type TAB for type, horsepower and load factor

Complete ALL Portions in Yellow

Project Size		Dwelling Units	7.37 total project acres disturbed
		s.f. residential	
		s.f. retail	
		s.f. office/commercial	
	119,226	s.f. other, specify:	Unrefrigerated Warehouse- No Rail
		s.f. parking garage	spaces
		s.f. parking lot	137 spaces
Construction Days (i.e, M-F)		to	
Construction Hours		am to	pm

Pile Driving? Y/N? N

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: _____

Fuel Type: _____

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**	**1/2/2025**	**Total phase:**	**18**			**Overall Import/Export Volumes**
		End Date:	**1/27/2025**					
0	Concrete/Industrial Saws	81	0.73	8	18	8	0	**Demolition Volume**
1	Excavators	158	0.38	8	18	8	8646	Square footage of buildings to be demolished
1	Rubber-Tired Dozers	247	0.4	8	18	8	14227	(*or* total tons to be hauled)
1	Tractors/Loaders/Backhoes	97	0.37			0	0	**_0_** square feet *or*
	Other Equipment?							**_?_** Hauling volume (tons)
								Any pavement demolished and hauled? **_0_ tons**
	Site Preparation	**Start Date:**	**1/28/2025**	**Total phase:**	**24**			
		End Date:	**2/28/2025**					
1	Graders	187	0.41	8	24	8	14721	
1	Rubber Tired Dozers	247	0.4	8	24	8	18970	
1	Tractors/Loaders/Backhoes	97	0.37	8	24	8	6891	
	Other Equipment?							
	Grading / Excavation	**Start Date:**	**3/1/2025**	**Total phase:**	**22**			
		End Date:	**4/1/2025**					**Soil Hauling Volume**
1	Excavators	158	0.38	8	22	8	10567	Export volume = **_0_** cubic yards
1	Graders	187	0.41	8	22	8	13494	Import volume = **_0_** cubic yards
1	Rubber Tired Dozers	247	0.4	8	22	8	17389	
0	Concrete/Industrial Saws	81	0.73			0	0	
1	Tractors/Loaders/Backhoes	97	0.37	8	22	8	6317	
	Other Equipment?							
	Trenching/Foundation	**Start Date:**	**4/1/2025**	**Total phase:**	**11**			
		End Date:	**4/15/2025**					
1	Tractor/Loader/Backhoe	97	0.37	8	11	8	3158	
1	Excavators	158	0.38	8	11	8	5284	
	Other Equipment?							
	Building - Exterior	**Start Date:**	**4/16/2025**	**Total phase:**	**44**			**Cement Trucks? _20_ Total Round-Trips**
		End Date:	**6/16/2025**					
1	Cranes	231	0.29	7	44	7	20633	Electric (N) ___ Otherwise assumed diesel
1	Forklifts	89	0.2	8	44	8	6266	Liquid Propane (LPG)? (Y/N) ___ Otherwise Assumed diesel
1	Generator Sets	84	0.74	8	44	8	21880	Or temporary line power? (Y/N) ___
1	Tractors/Loaders/Backhoes	97	0.37	7	44	7	11054	
1	Welders	46	0.45	8	44	8	7286	
	Other Equipment?							
Building - Interior/Architectural Coating		**Start Date:**	**6/16/2025**	**Total phase:**	**22**			
		End Date:	**7/15/2025**					
1	Air Compressors	78	0.48	6	22	6	4942	
	Aerial Lift	62	0.31			0	0	
	Other Equipment?							
	Paving	**Start Date:**	**7/15/2025**	**Total phase:**	**12**			
		Start Date:	**7/30/2025**					
0	Cement and Mortar Mixers	9	0.56	6	12	6	0	
1	Pavers	130	0.42	8	12	8	5242	**Asphalt? ___ cubic yards or __118__ round trips?**
1	Paving Equipment	132	0.36	6	12	6	3421	
2	Rollers	80	0.38	6	12	6	4378	
1	Tractors/Loaders/Backhoes	97	0.37	8	12	8	3445	
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.
Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading
Add or subtract phases and equipment, as appropriate
Modify horsepower or load factor, as appropriate

Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	**CO2e**	
Year	Tons					MT	
Construction Equipment							
2025	0.70	0.65	0.03	0.02		136.69	
Total Construction Emissions by Year							
2025	0.70	0.65	0.03	0.02		136.69	
	Total Construction Emissions						
Tons	0.70	0.65	0.03	0.02		136.69	
Pounds/Workdays	*Average Daily Emissions*					Workdays	
2025	9.21	8.65	0.36	0.33			**151**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			
	Total Construction Emissions						
Pounds	9.21	8.65	0.36	0.33		0.00	
Average	9.21	8.65	0.36	0.33		0.00	151.00
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			

Operational Criteria Air Pollutants							
Unmitigated	ROG	NOX	Total PM10	Total PM2.5			
Year	Tons						
Project Operation	1.20	0.52	1.08	0.28			
Truck Delivery Trips	0.01	0.65	0.43	0.08			
Total	1.21	1.17	1.51	0.36			
	Net Annual Operational Emissions						
Tons/year	1.21	1.17	1.51	0.36			
Threshold - Tons/year	**10.0**	**10.0**	**15.0**	**10.0**			
	Average Daily Emissions						
Pounds Per Day	6.61	6.44	8.27	1.96			
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			

Category	**CO2e**			
	Project	Existing	Project 2030	Existing
Area	1.75			
Energy	118.76			
Mobile	1056.74			
Mobile - Truck Trips	599.70			
Waste	34.99			
Water	32.33			
TOTAL	1844.26	0.00	0.00	0.00
Net GHG Emissions		1844.26		0.00

Traffic Consultant Trip Gen					CalEEMod Default		
Land Use	**Size**	**Daily Trips**	**New Trips**	**Weekday Trip Gen**	**Weekday**	**Sat**	**Sun**
Unrefrigerated WareHouse ksf	119.226	925	925	***7.76***	1.74	1.74	1.74
					Rev	***7.76***	***7.76***

22-136 Pinole Shores Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.2. Demolition (2025) - Mitigated

3.3. Site Preparation (2025) - Unmitigated

3.4. Site Preparation (2025) - Mitigated

3.5. Grading (2025) - Unmitigated

3.6. Grading (2025) - Mitigated

3.7. Building Construction (2025) - Unmitigated

3.8. Building Construction (2025) - Mitigated

3.9. Paving (2025) - Unmitigated

3.10. Paving (2025) - Mitigated

3.11. Architectural Coating (2025) - Unmitigated

3.12. Architectural Coating (2025) - Mitigated

3.13. Trenching (2025) - Unmitigated

3.14. Trenching (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	22-136 Pinole Shores
Construction Start Date	1/2/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	18.0
Location	830 San Pablo Ave, Pinole, CA 94564, USA
County	Contra Costa
City	Pinole
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1570
EDFZ	1
Electric Utility	MCE
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	119	1000sqft	7.37	119,226	0.00	—	—	—
Parking Lot	137	Space	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.12	57.7	16.0	17.7	0.03	0.71	7.21	7.91	0.65	3.45	4.10	—	2,943	2,943	0.16	0.24	3.85	2,954
Mit.	0.61	57.1	10.2	17.4	0.03	0.14	2.89	3.00	0.13	1.36	1.47	—	2,943	2,943	0.16	0.24	3.85	2,954
% Reduced	71%	1%	36%	2%	—	80%	60%	62%	79%	60%	64%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.85	1.56	14.1	14.5	0.02	0.64	7.17	7.80	0.59	3.44	4.03	—	2,459	2,459	0.10	0.02	0.01	2,468
Mit.	0.34	0.34	7.95	14.1	0.02	0.07	2.84	2.92	0.07	1.36	1.43	—	2,459	2,459	0.10	0.02	0.01	2,468
% Reduced	82%	78%	44%	3%	—	88%	60%	63%	88%	61%	65%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.48	3.81	3.58	3.92	0.01	0.15	0.99	1.14	0.14	0.46	0.59	—	817	817	0.03	0.03	0.25	826
Mit.	0.14	3.53	2.44	4.03	0.01	0.03	0.45	0.48	0.03	0.19	0.22	—	817	817	0.03	0.03	0.25	826
% Reduced	72%	7%	32%	-3%	—	80%	55%	58%	79%	58%	63%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.70	0.65	0.72	< 0.005	0.03	0.18	0.21	0.02	0.08	0.11	—	135	135	0.01	< 0.005	0.04	137
Mit.	0.02	0.64	0.45	0.73	< 0.005	0.01	0.08	0.09	0.01	0.04	0.04	—	135	135	0.01	< 0.005	0.04	137
% Reduced	72%	7%	32%	-3%	—	80%	55%	58%	79%	58%	63%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.12	57.7	16.0	17.7	0.03	0.71	7.21	7.91	0.65	3.45	4.10	—	2,943	2,943	0.16	0.24	3.85	2,954
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.85	1.56	14.1	14.5	0.02	0.64	7.17	7.80	0.59	3.44	4.03	—	2,459	2,459	0.10	0.02	0.01	2,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.48	3.81	3.58	3.92	0.01	0.15	0.99	1.14	0.14	0.46	0.59	—	817	817	0.03	0.03	0.25	826
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.09	0.70	0.65	0.72	< 0.005	0.03	0.18	0.21	0.02	0.08	0.11	—	135	135	0.01	< 0.005	0.04	137

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.61	57.1	10.2	17.4	0.03	0.14	2.89	3.00	0.13	1.36	1.47	—	2,943	2,943	0.16	0.24	3.85	2,954
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.34	0.34	7.95	14.1	0.02	0.07	2.84	2.92	0.07	1.36	1.43	—	2,459	2,459	0.10	0.02	0.01	2,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	3.53	2.44	4.03	0.01	0.03	0.45	0.48	0.03	0.19	0.22	—	817	817	0.03	0.03	0.25	826
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.64	0.45	0.73	< 0.005	0.01	0.08	0.09	0.01	0.04	0.04	—	135	135	0.01	< 0.005	0.04	137

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.68	7.23	2.62	33.1	0.07	0.05	5.92	5.97	0.05	1.50	1.55	119	7,509	7,629	6.65	0.41	23.8	7,940
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.56	6.17	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	119	7,032	7,151	6.69	0.43	0.62	7,448
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	3.98	6.56	2.87	27.5	0.06	0.05	5.85	5.90	0.05	1.48	1.53	119	7,095	7,214	6.67	0.42	10.3	7,517
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.73	1.20	0.52	5.02	0.01	0.01	1.07	1.08	0.01	0.27	0.28	19.8	1,175	1,194	1.10	0.07	1.70	1,245

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Area	0.92	3.74	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	4.68	7.23	2.62	33.1	0.07	0.05	5.92	5.97	0.05	1.50	1.55	119	7,509	7,629	6.65	0.41	23.8	7,940
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325
Area	—	2.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	3.56	6.17	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	119	7,032	7,151	6.69	0.43	0.62	7,448
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.53	3.25	2.85	24.9	0.06	0.04	5.85	5.90	0.04	1.48	1.53	—	6,283	6,283	0.29	0.28	10.3	6,383

Area	0.45	3.31	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	3.98	6.56	2.87	27.5	0.06	0.05	5.85	5.90	0.05	1.48	1.53	119	7,095	7,214	6.67	0.42	10.3	7,517
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057
Area	0.08	0.60	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	117	117	0.02	< 0.005	—	119
Water	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3
Waste	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0
Total	0.73	1.20	0.52	5.02	0.01	0.01	1.07	1.08	0.01	0.27	0.28	19.8	1,175	1,194	1.10	0.07	1.70	1,245

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Area	0.92	3.74	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	4.68	7.23	2.62	33.1	0.07	0.05	5.92	5.97	0.05	1.50	1.55	119	7,509	7,629	6.65	0.41	23.8	7,940
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325

Area	—	2.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	3.56	6.17	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	119	7,032	7,151	6.69	0.43	0.62	7,448
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.53	3.25	2.85	24.9	0.06	0.04	5.85	5.90	0.04	1.48	1.53	—	6,283	6,283	0.29	0.28	10.3	6,383
Area	0.45	3.31	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	710	710	0.12	0.02	—	717
Water	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Waste	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Total	3.98	6.56	2.87	27.5	0.06	0.05	5.85	5.90	0.05	1.48	1.53	119	7,095	7,214	6.67	0.42	10.3	7,517
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057
Area	0.08	0.60	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	117	117	0.02	< 0.005	—	119
Water	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3
Waste	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0
Total	0.73	1.20	0.52	5.02	0.01	0.01	1.07	1.08	0.01	0.27	0.28	19.8	1,175	1,194	1.10	0.07	1.70	1,245

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.16	11.0	10.4	0.02	0.47	—	0.47	0.43	—	0.43	—	1,810	1,810	0.07	0.01	—	1,816
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.3	89.3	< 0.005	< 0.005	—	89.6
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.8	14.8	< 0.005	< 0.005	—	14.8
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	0.01	3.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	5.62	9.75	0.02	0.06	—	0.06	0.06	—	0.06	—	1,810	1,810	0.07	0.01	—	1,816
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.28	0.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	89.3	89.3	< 0.005	< 0.005	—	89.6
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.05	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.8	14.8	< 0.005	< 0.005	—	14.8
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	0.01	3.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.43	13.2	13.1	0.02	0.61	—	0.61	0.56	—	0.56	—	2,237	2,237	0.09	0.02	—	2,244
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	0.86	< 0.005	0.04	—	0.04	0.04	—	0.04	—	147	147	0.01	< 0.005	—	148
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.16	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.4	24.4	< 0.005	< 0.005	—	24.4
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.02	4.02	< 0.005	< 0.005	0.01	4.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.67	0.67	< 0.005	< 0.005	< 0.005	0.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	6.82	12.7	0.02	0.04	—	0.04	0.04	—	0.04	—	2,237	2,237	0.09	0.02	—	2,244
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.45	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	147	147	0.01	< 0.005	—	148
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.4	24.4	< 0.005	< 0.005	—	24.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.01	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.02	4.02	< 0.005	< 0.005	0.01	4.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.67	0.67	< 0.005	< 0.005	< 0.005	0.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	14.1	14.1	0.02	0.64	—	0.64	0.59	—	0.59	—	2,378	2,378	0.10	0.02	—	2,387

Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	14.1	14.1	0.02	0.64	—	0.64	0.59	—	0.59	—	2,378	2,378	0.10	0.02	—	2,387
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.85	0.85	< 0.005	0.04	—	0.04	0.04	—	0.04	—	143	143	0.01	< 0.005	—	144
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	88.1	88.1	< 0.005	< 0.005	0.35	89.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.6	80.6	< 0.005	< 0.005	0.01	81.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	0.01	4.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.31	0.31	7.92	13.7	0.02	0.07	—	0.07	0.07	—	0.07	—	2,378	2,378	0.10	0.02	—	2,387
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	7.92	13.7	0.02	0.07	—	0.07	0.07	—	0.07	—	2,378	2,378	0.10	0.02	—	2,387
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.48	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	143	143	0.01	< 0.005	—	144
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.09	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.7	23.7	< 0.005	< 0.005	—	23.8
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	88.1	88.1	< 0.005	< 0.005	0.35	89.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.6	80.6	< 0.005	< 0.005	0.01	81.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	0.01	4.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	7.04	7.62	0.02	0.28	—	0.28	0.26	—	0.26	—	1,584	1,584	0.06	0.01	—	1,590
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.85	0.92	< 0.005	0.03	—	0.03	0.03	—	0.03	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.6	31.6	< 0.005	< 0.005	—	31.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.12	2.10	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	441	441	0.01	0.02	1.75	448
Vendor	0.05	0.02	0.70	0.33	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	527	527	0.03	0.08	1.40	552
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.1	65.1	0.01	0.01	0.14	68.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.2	49.2	< 0.005	< 0.005	0.09	49.9
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.6	63.6	< 0.005	0.01	0.07	66.4
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.84	7.84	< 0.005	< 0.005	0.01	8.23
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.15	8.15	< 0.005	< 0.005	0.02	8.27
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.01	11.0
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.30	1.30	< 0.005	< 0.005	< 0.005	1.36

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.29	6.23	9.14	0.02	0.10	—	0.10	0.10	—	0.10	—	1,584	1,584	0.06	0.01	—	1,590
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.75	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.14	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	—	31.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.12	2.10	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	441	441	0.01	0.02	1.75	448
Vendor	0.05	0.02	0.70	0.33	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	527	527	0.03	0.08	1.40	552
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.1	65.1	0.01	0.01	0.14	68.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.2	49.2	< 0.005	< 0.005	0.09	49.9
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.6	63.6	< 0.005	0.01	0.07	66.4
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.84	7.84	< 0.005	< 0.005	0.01	8.23
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.15	8.15	< 0.005	< 0.005	0.02	8.27
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.01	11.0
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.30	1.30	< 0.005	< 0.005	< 0.005	1.36

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.69	0.58	5.27	7.40	0.01	0.24	—	0.24	0.22	—	0.22	—	1,117	1,117	0.05	0.01	—	1,121
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.08	6.08	< 0.005	< 0.005	—	6.10
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	110	110	< 0.005	< 0.005	0.44	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	0.03	1.79	0.86	0.01	0.03	0.36	0.39	0.02	0.10	0.12	—	1,407	1,407	0.11	0.22	3.06	1,479
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.35	3.35	< 0.005	< 0.005	0.01	3.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.3	46.3	< 0.005	0.01	0.04	48.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.66	7.66	< 0.005	< 0.005	0.01	8.04

3.10. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	5.33	7.82	0.01	0.06	—	0.06	0.06	—	0.06	—	1,117	1,117	0.05	0.01	—	1,121
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.08	6.08	< 0.005	< 0.005	—	6.10
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	110	110	< 0.005	< 0.005	0.44	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	0.03	1.79	0.86	0.01	0.03	0.36	0.39	0.02	0.10	0.12	—	1,407	1,407	0.11	0.22	3.06	1,479
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.35	3.35	< 0.005	< 0.005	0.01	3.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.3	46.3	< 0.005	0.01	0.04	48.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.66	7.66	< 0.005	< 0.005	0.01	8.04

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	56.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	3.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	88.3	88.3	< 0.005	< 0.005	0.35	89.6

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.92	4.92	< 0.005	< 0.005	0.01	4.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	1.07	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	56.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	—	3.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	—	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	88.3	88.3	< 0.005	< 0.005	0.35	89.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.92	4.92	< 0.005	< 0.005	0.01	4.99

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.93	2.92	< 0.005	0.07	—	0.07	0.06	—	0.06	—	432	432	0.02	< 0.005	—	434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.16	2.16	< 0.005	< 0.005	—	2.16

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	44.1	44.1	< 0.005	< 0.005	0.17	44.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.23	1.23	< 0.005	< 0.005	< 0.005	1.25
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.07	2.28	3.02	< 0.005	0.04	—	0.04	0.03	—	0.03	—	432	432	0.02	< 0.005	—	434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.16	2.16	< 0.005	< 0.005	—	2.16
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	44.1	44.1	< 0.005	< 0.005	0.17	44.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.23	1.23	< 0.005	< 0.005	< 0.005	1.25
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.75	3.48	2.58	27.9	0.07	0.04	5.92	5.97	0.04	1.50	1.54	—	6,686	6,686	0.27	0.26	23.8	6,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.56	3.28	3.04	25.9	0.06	0.04	5.92	5.97	0.04	1.50	1.54	—	6,230	6,230	0.31	0.29	0.62	6,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.64	0.59	0.52	4.55	0.01	0.01	1.07	1.08	0.01	0.27	0.28	—	1,040	1,040	0.05	0.05	1.70	1,057

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	117	117	0.02	< 0.005	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	117	117	0.02	< 0.005	—	119

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	710	710	0.12	0.02	—	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	117	117	0.02	< 0.005	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	117	117	0.02	< 0.005	—	119

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.92	0.85	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Total	0.92	3.74	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08	0.08	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75
Total	0.08	0.60	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.92	0.85	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Total	0.92	3.74	0.04	5.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.08	0.08	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75
Total	0.08	0.60	< 0.005	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.74	1.74	< 0.005	< 0.005	—	1.75

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.9	92.0	151	0.22	0.13	—	195
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.75	15.2	25.0	0.04	0.02	—	32.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.4	0.00	60.4	6.04	0.00	—	211
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.00	0.00	10.00	1.00	0.00	—	35.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/2/2025	1/27/2025	5.00	18.0	—
Site Preparation	Site Preparation	1/28/2025	2/28/2025	5.00	24.0	—
Grading	Grading	3/1/2025	4/1/2025	5.00	22.0	—
Building Construction	Building Construction	4/16/2025	6/16/2025	5.00	44.0	—
Paving	Paving	7/15/2025	7/30/2025	5.00	12.0	—
Architectural Coating	Architectural Coating	6/16/2025	7/15/2025	5.00	22.0	—
Trenching	Trenching	4/1/2025	4/15/2025	5.00	11.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Demolition	Excavators	Diesel	Tier 4 Interim	1.00	8.00	36.0	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Site Preparation	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Interim	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Interim	1.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Interim	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Interim	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	1.00	6.00	37.0	0.48
Trenching	Excavators	Diesel	Tier 4 Interim	1.00	8.00	36.0	0.38

Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	50.1	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	19.5	8.40	HHDT,MHDT
Building Construction	Hauling	0.91	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—

Paving	Worker	12.5	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	19.7	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	5.00	11.7	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	—	—	—	—
Grading	Worker	10.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	50.1	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	19.5	8.40	HHDT,MHDT
Building Construction	Hauling	0.91	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	19.7	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	5.00	11.7	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	178,839	59,613	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	0.00	—
Site Preparation	0.00	0.00	24.0	0.00	—
Grading	0.00	0.00	22.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	188	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	925	925	925	337,696	8,386	8,386	8,386	3,060,761
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	925	925	925	337,696	8,386	8,386	8,386	3,060,761
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	178,839	59,613	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,377,980	188	0.0330	0.0040	0.00
Parking Lot	0.00	188	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,377,980	188	0.0330	0.0040	0.00
Parking Lot	0.00	188	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	27,571,013	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	27,571,013	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	112	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	112	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	13.1	annual days of extreme heat
Extreme Precipitation	4.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	7.52
AQ-PM	35.0
AQ-DPM	59.4
Drinking Water	4.21
Lead Risk Housing	43.7
Pesticides	0.00
Toxic Releases	57.9
Traffic	18.2
Effect Indicators	—
CleanUp Sites	58.2
Groundwater	22.1
Haz Waste Facilities/Generators	52.6
Impaired Water Bodies	83.0
Solid Waste	0.00
Sensitive Population	—
Asthma	61.3
Cardio-vascular	44.5
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	58.5
Housing	55.1
Linguistic	38.1
Poverty	27.0
Unemployment	47.0

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	64.36545618
Employed	56.93571154
Median HI	58.80918773
Education	—
Bachelor's or higher	47.36301809
High school enrollment	100
Preschool enrollment	90.94058771
Transportation	—
Auto Access	27.46054151
Active commuting	81.41922238
Social	—
2-parent households	19.83831644
Voting	75.65764147
Neighborhood	—
Alcohol availability	43.73155396
Park access	81.35506224
Retail density	46.91389709
Supermarket access	28.78224047
Tree canopy	86.75734634
Housing	—
Homeownership	59.87424612
Housing habitability	65.48184268
Low-inc homeowner severe housing cost burden	39.02219941
Low-inc renter severe housing cost burden	54.92108302
Uncrowded housing	56.87155139

Health Outcomes	—
Insured adults	57.24368023
Arthritis	0.0
Asthma ER Admissions	28.3
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	39.1
Cognitively Disabled	15.9
Physically Disabled	6.6
Heart Attack ER Admissions	45.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	84.7

Children	73.7
Elderly	29.9
English Speaking	47.2
Foreign-born	55.8
Outdoor Workers	86.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	60.9
Traffic Density	17.5
Traffic Access	70.4
Other Indices	—
Hardship	43.1
Other Decision Support	—
2016 Voting	45.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0
Healthy Places Index Score for Project Location (b)	68.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Richmond

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	MCE is provider in Pinole.
Land Use	Land use information provided by applicant.
Construction: Construction Phases	Construction phase dates provided by applicant.
Construction: Off-Road Equipment	Construction equipment based on defaults that were reviewed and modified by applicant.
Construction: Trips and VMT	Applicant states 20 round trips for concrete. 40 one way trips divided by 44 days = 0.909 trips per day. Est. 19.667 trips per day asphalt. (est 236 trips / 12) days.
Operations: Vehicle Data	Trip generation calculated from AM/PM peak hour data.
Operations: Energy Use	Applicant states project will be all electric. Natural gas usage converted to electricity usage.
Operations: Water and Waste Water	100% aerobic

2. Emissions Summary - HRA

2.2 Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	2.1099411	57.643501	16.015567	17.173651	0.0259420	0.7053835	7.0931845	7.7985680	0.6489528	3.4272207	4.0761735		2824.2476	2824.2476	0.1163234	0.0320410	0.3528138	2834.389629204889
Daily - Winter (Max)																		
2025	1.8485979	1.5570575	14.080693	14.230942	0.0219520	0.6371426	7.0896518	7.7267944	0.5861711	3.4263927	4.0125638		2387.0038	2387.0038	0.0986849	0.0203983	0.0007723	2395.5504502429408
Average Daily																		
2025	0.4716623	3.8049809	3.4484395	3.6723464	0.0060685	0.1469683	0.9013045	1.0482728	0.1352064	0.4337598	0.5689663		649.63634	649.63634	0.0291087	0.0081252	0.0224157	652.807801872948
Annual																		
2025	0.0860783	0.6944090	0.6293402	0.6702032	0.0011075	0.0268217	0.1644880	0.1913097	0.0246751	0.0791611	0.1038363		107.55471	107.55471	0.0048192	0.0013452	0.0037111	108.0797814061498

2. Emissions Summary - HRA

2.3 Construction Emissions by Year, Mitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	0.5500077	57.045660	10.205480	16.878065	0.0259420	0.1353435	2.7728067	2.8830943	0.1267388	1.3381314	1.4435935		2824.2476	2824.2476	0.1163234	0.0320410	0.3528138	2834.389629204889
Daily - Winter (Max)																		
2025	0.3367340	0.3356317	7.9273821	13.842472	0.0219520	0.0734403	2.7692740	2.8427144	0.0710276	1.3373033	1.4083310		2387.0038	2387.0038	0.0986849	0.0203983	0.0007723	2395.5504502429408
Average Daily																		
2025	0.1241718	3.5262945	2.3148512	3.7803669	0.0060685	0.0280249	0.3568185	0.3848435	0.0266589	0.1704773	0.1971362		649.63634	649.63634	0.0291087	0.0081252	0.0224157	652.807801872948
Annual																		
2025	0.0226613	0.6435487	0.4224603	0.6899169	0.0011075	0.0051145	0.0651193	0.0702339	0.0048652	0.0311121	0.0359773		107.55471	107.55471	0.0048192	0.0013452	0.0037111	108.0797814061498

5.3. Construction Vehicles - HRA

5.3.1 Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolitior	Worker	7.5	1	LDA,LDT1,LDT2
Demolitior	Vendor		1	HHDT,MHDT
Demolitior	Hauling	0	1	HHDT
Demolitior	Onsite truc			HHDT
Site Preparation				
Site Prepar	Worker	7.5	1	LDA,LDT1,LDT2
Site Prepar	Vendor		1	HHDT,MHDT
Site Prepar	Hauling	0	1	HHDT
Site Prepar	Onsite truc			HHDT
Grading				
Grading	Worker	10	1	LDA,LDT1,LDT2
Grading	Vendor		1	HHDT,MHDT
Grading	Hauling	0	1	HHDT
Grading	Onsite truc			HHDT
Building Construction				
Building Cc	Worker	50.07492	1	LDA,LDT1,LDT2
Building Cc	Vendor	19.541141	1	HHDT,MHDT
Building Cc	Hauling	0.90909	1	HHDT
Building Cc	Onsite truc			HHDT
Paving				
Paving	Worker	12.5	1	LDA,LDT1,LDT2
Paving	Vendor		1	HHDT,MHDT
Paving	Hauling	19.667	1	HHDT
Paving	Onsite truc			HHDT
Architectural Coating				
Architectu	Worker	10.014984	1	LDA,LDT1,LDT2
Architectu	Vendor		1	HHDT,MHDT
Architectu	Hauling	0	1	HHDT
Architectu	Onsite truc			HHDT
Trenching				
Trenching	Worker	5	1	LDA,LDT1,LDT2
Trenching	Vendor		1	HHDT,MHDT
Trenching	Hauling	0	1	HHDT
Trenching	Onsite truc			HHDT

5.3. Construction Vehicles - HRA

5.3.2 Mitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolitior	Worker	7.5	1	LDA,LDT1,LDT2
Demolitior	Vendor		1	HHDT,MHDT
Demolitior	Hauling	0	1	HHDT
Demolitior	Onsite truc			HHDT
Site Preparation				
Site Prepar	Worker	7.5	1	LDA,LDT1,LDT2
Site Prepar	Vendor		1	HHDT,MHDT
Site Prepar	Hauling	0	1	HHDT
Site Prepar	Onsite truc			HHDT
Grading				
Grading	Worker	10	1	LDA,LDT1,LDT2
Grading	Vendor		1	HHDT,MHDT
Grading	Hauling	0	1	HHDT
Grading	Onsite truc			HHDT
Building Construction				
Building Cc	Worker	50.07492	1	LDA,LDT1,LDT2
Building Cc	Vendor	19.541141	1	HHDT,MHDT
Building Cc	Hauling	0.90909	1	HHDT
Building Cc	Onsite truc			HHDT
Paving				
Paving	Worker	12.5	1	LDA,LDT1,LDT2
Paving	Vendor		1	HHDT,MHDT
Paving	Hauling	19.667	1	HHDT
Paving	Onsite truc			HHDT
Architectural Coating				
Architectu	Worker	10.014984	1	LDA,LDT1,LDT2
Architectu	Vendor		1	HHDT,MHDT
Architectu	Hauling	0	1	HHDT
Architectu	Onsite truc			HHDT
Trenching				
Trenching	Worker	5	1	LDA,LDT1,LDT2
Trenching	Vendor		1	HHDT,MHDT
Trenching	Hauling	0	1	HHDT
Trenching	Onsite truc			HHDT

Attachment 2: Project Construction and Operation Health Risk Calculations

830 San Pablo Ave, Pinole, CA
Construction Health Impact Summary

Maximum Impacts at MEI Location - Without Mitigation

Emissions Year	Maximum Concentrations Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million) Infant/Child	Cancer Risk (per million) Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2025	0.0714	0.2669	12.69	0.20	0.01	0.34
Total	-	-	**12.69**	**0.20**		-
Maximum	0.0714	0.2669	**-**	**-**	**0.01**	**0.34**

Maximum Impacts at MEI Location - With Mitigation

Emissions Year	Maximum Concentrations Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million) Infant/Child	Cancer Risk (per million) Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2025	0.0136	0.1052	2.42	0.04	0.00	0.12
Total	-	-	**2.42**	**0.04**	-	-
Maximum	0.0136	0.1052	**-**	**-**	**0.00**	**0.12**

830 San Pablo Ave, Pinole, CA

DPM Emissions and Modeling Emission Rates - Unmitigated

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2025	Construction	0.0268	CON_DPM	53.6	0.01225	1.54E-03	29,885	5.16E-08
Total		***0.0268***		***53.6***	***0.0122***	***0.0015***		

Construction Hours

hr/day =	12	(7am - 7pm)
days/yr =	365	
hours/year =	4380	

DPM Construction Emissions and Modeling Emission Rates - With Mitigation

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2025	Construction	0.0051	CON_DPM	10.2	0.00234	2.94E-04	29,885	9.85E-09
Total		***0.0051***		***10.2***	***0.0023***	***0.0003***		

Construction Hours

hr/day =	12	(7am - 7pm)
days/yr =	365	
hours/year =	4380	

830 San Pablo Ave, Pinole, CA

PM2.5 Fugitive Dust Emissions for Modeling - Unmitigated

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2025	Construction	CON_FUG	0.0792	158.3	0.03615	4.55E-03	29,885	1.52E-07
Total			***0.0792***	***158.3***	***0.0361***	***0.0046***		

Construction Hours

hr/day =	12	(7am - 7pm)
days/yr =	365	
hours/year =	4380	

PM2.5 Fugitive Dust Construction Emissions for Modeling - With Mitigation

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2025	Construction	CON_FUG	0.0311	62.2	0.01421	1.79E-03	29,885	5.99E-08
Total			***0.0311***	***62.2***	***0.0142***	***0.0018***		

Construction Hours

hr/day =	12	(7am - 7pm)
days/yr =	365	
hours/year =	4380	

830 San Pablo Ave, Pinole, CA - Construction Impacts - Without Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction Impacts at Off-Site MEI Location - 4.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information				Adult - Exposure Information						
							Modeled				Maximum		
			DPM Conc (ug/m3)				DPM Conc (ug/m3)						
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Age Sensitivity Factor**	**Infant/Child Cancer Risk (per million)**	**Year**	**Annual**	**Age Sensitivity Factor**	**Adult Cancer Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2025	0.0655	10	0.89	2025	0.0655	-	-			
1	1	0 - 1	2025	0.0655	10	10.76	2025	0.0655	1	0.19	0.013	0.238	0.30
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00			
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**11.66**				**0.19**			

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Construction Impacts - Without Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction Impacts at Off-Site MEI Location - 1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult			
							Modeled					Maximum	
			DPM Conc (ug/m3)		Age	Cancer	DPM Conc (ug/m3)		Age	Cancer	Hazard	Fugitive	Total
Exposure Year	Exposure Duration (years)	Age	Year	Annual	Sensitivity Factor	Risk (per million)	Year	Annual	Sensitivity Factor	Risk (per million)	Index	PM2.5	PM2.5
0	0.25	-0.25 - 0*	2025	0.0714	10	0.97	2025	0.0714	-	-			
1	1	0 - 1	2025	0.0714	10	11.72	2025	0.0714	1	0.20	0.01	0.267	0.34
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00			
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**12.69**				**0.20**			

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction Impacts at Off-Site MEI Location - 4.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult			
							Modeled						
			DPM Conc (ug/m3)		Age	Cancer	DPM Conc (ug/m3)		Age	Cancer	Maximum		
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2025	0.0125	10	0.17	2025	0.0125	-	-			
1	1	0 - 1	2025	0.0125	10	2.05	2025	0.0125	1	0.04	0.003	0.09	0.11
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00			
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**2.22**				**0.04**			

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction Impacts at Off-Site MEI Location - 1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult			
							Modeled						
			DPM Conc (ug/m3)		Age	Cancer	DPM Conc (ug/m3)		Age	Cancer	Maximum		
Exposure Year	Exposure Duration (years)	Age	Year	Annual	Sensitivity Factor	Risk (per million)	Year	Annual	Sensitivity Factor	Risk (per million)	Hazard Index	Fugitive PM2.5	Total PM2.5
0	0.25	-0.25 - 0*	2025	0.0136	10	0.19	2025	0.0136	-	-			
1	1	0 - 1	2025	0.0136	10	2.24	2025	0.0136	1	0.04	0.003	0.11	0.12
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00			
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**2.42**				**0.04**			

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Truck Trips - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Construction Residential MEI Receptor (1.5 meter receptor height)

Emission Year	2026
Receptor Information	Construction Residential MEI receptor
Number of Receptors	1
Receptor Height	1.5 meters
Receptor Distances	At Construction Residential MEI location

Meteorological Conditions

BAAQMD Conoco Phillips Hillcrest Met Dat	2013-2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction Residential MEI Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)*		
	DPM	Exhaust TOG	Evaporative TOG
2013-2017	0.0010	0.0120	0.0004

Construction Residential MEI PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)*		
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5
2013-2017	0.0066	0.0061	0.0005

830 San Pablo Ave, Pinole, CA - Truck Trips Cancer Risk
Impacts at Construction Residential MEIs - 1.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2026	10	0.0010	0.0120	0.0004	0.014	0.001	0.0000	0.01
1	1	0 - 1	2026	10	0.0010	0.0120	0.0004	0.164	0.011	0.0000	0.18
2	1	1 - 2	2027	10	0.0010	0.0120	0.0004	0.164	0.011	0.0000	0.18
3	1	2 - 3	2028	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
4	1	3 - 4	2029	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
5	1	4 - 5	2030	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
6	1	5 - 6	2031	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
7	1	6 - 7	2032	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
8	1	7 - 8	2033	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
9	1	8 - 9	2034	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
10	1	9 - 10	2035	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
11	1	10 - 11	2036	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
12	1	11 - 12	2037	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
13	1	12 - 13	2038	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
14	1	13 - 14	2039	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
15	1	14 - 15	2040	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
16	1	15 - 16	2041	3	0.0010	0.0120	0.0004	0.026	0.002	0.0000	0.03
17	1	16-17	2042	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
18	1	17-18	2043	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
19	1	18-19	2044	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
20	1	19-20	2045	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
21	1	20-21	2046	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
22	1	21-22	2047	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
23	1	22-23	2048	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
24	1	23-24	2049	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
25	1	24-25	2050	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
26	1	25-26	2051	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
27	1	26-27	2052	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
28	1	27-28	2053	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
29	1	28-29	2054	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
30	1	29-30	2055	1	0.0010	0.0120	0.0004	0.003	0.000	0.0000	0.00
Total Increased Cancer Risk								0.74	0.051	0.000	**0.80**

Hazard Index	Maximum Fugitive PM2.5	Total PM2.5
0.00020	0.01	0.01

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - San Pablo Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
											Line Area					
DPM_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	43.7	3.4	40	54	6,331	68,150	2.437E-10	1.797E-10	6.8	3.16
DPM_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	43.7	3.4	40	54	6,745	72,608	2.437E-10	1.797E-10	6.8	3.16
									Total	107						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.00843			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and DPM Emissions - DPM_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.58%	2	1.33E-06	9	7.39%	4	2.74E-06	17	6.54%	3	2.42E-06
2	2.55%	1	9.43E-07	10	6.52%	3	2.42E-06	18	4.65%	2	1.72E-06
3	2.92%	2	1.08E-06	11	5.58%	3	2.07E-06	19	2.39%	1	8.83E-07
4	3.02%	2	1.12E-06	12	6.16%	3	2.28E-06	20	0.96%	1	3.54E-07
5	2.08%	1	7.69E-07	13	5.59%	3	2.07E-06	21	2.75%	1	1.02E-06
6	2.92%	2	1.08E-06	14	5.50%	3	2.04E-06	22	3.60%	2	1.33E-06
7	6.81%	4	2.52E-06	15	4.56%	2	1.69E-06	23	2.28%	1	8.43E-07
8	5.69%	3	2.11E-06	16	5.03%	3	1.86E-06	24	0.96%	1	3.54E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.58%	2	1.41E-06	9	7.39%	4	2.91E-06	17	6.54%	3	2.58E-06
2	2.55%	1	1.00E-06	10	6.52%	3	2.57E-06	18	4.65%	2	1.83E-06
3	2.92%	2	1.15E-06	11	5.58%	3	2.20E-06	19	2.39%	1	9.41E-07
4	3.02%	2	1.19E-06	12	6.16%	3	2.43E-06	20	0.96%	1	3.78E-07
5	2.08%	1	8.19E-07	13	5.59%	3	2.21E-06	21	2.75%	1	1.08E-06
6	2.92%	2	1.15E-06	14	5.50%	3	2.17E-06	22	3.60%	2	1.42E-06
7	6.81%	4	2.69E-06	15	4.56%	2	1.80E-06	23	2.28%	1	8.99E-07
8	5.69%	3	2.24E-06	16	5.03%	3	1.98E-06	24	0.96%	1	3.78E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - San Pablo Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	54	6,331	68,150	2.36E-10	1.74E-10	2.6	1.21
PM2.5_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	54	6,745	72,608	2.36E-10	1.74E-10	2.6	1.21
									Total	107						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.008152			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	4.08E-07	9	7.15%	4	2.56E-06	17	7.44%	4	2.66E-06
2	0.42%	0	1.50E-07	10	4.37%	2	1.56E-06	18	8.22%	4	2.94E-06
3	0.43%	0	1.54E-07	11	4.65%	2	1.66E-06	19	5.68%	3	2.03E-06
4	0.26%	0	9.17E-08	12	5.86%	3	2.10E-06	20	4.26%	2	1.53E-06
5	0.50%	0	1.79E-07	13	6.13%	3	2.19E-06	21	3.24%	2	1.16E-06
6	0.90%	0	3.23E-07	14	6.01%	3	2.15E-06	22	3.27%	2	1.17E-06
7	3.81%	2	1.36E-06	15	6.98%	4	2.50E-06	23	2.45%	1	8.77E-07
8	7.79%	4	2.79E-06	16	7.18%	4	2.57E-06	24	1.87%	1	6.70E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	4.34E-07	9	7.15%	4	2.73E-06	17	7.44%	4	2.84E-06
2	0.42%	0	1.60E-07	10	4.37%	2	1.66E-06	18	8.22%	4	3.14E-06
3	0.43%	0	1.65E-07	11	4.65%	2	1.77E-06	19	5.68%	3	2.17E-06
4	0.26%	0	9.77E-08	12	5.86%	3	2.23E-06	20	4.26%	2	1.63E-06
5	0.50%	0	1.90E-07	13	6.13%	3	2.34E-06	21	3.24%	2	1.24E-06
6	0.90%	0	3.44E-07	14	6.01%	3	2.29E-06	22	3.27%	2	1.25E-06
7	3.81%	2	1.45E-06	15	6.98%	4	2.66E-06	23	2.45%	1	9.34E-07
8	7.79%	4	2.97E-06	16	7.18%	4	2.74E-06	24	1.87%	1	7.14E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - San Pablo Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	54	6,331	68,150	2.08E-09	1.53E-09	2.6	1.21
TEXH_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	54	6,745	72,608	2.08E-09	1.53E-09	2.6	1.21
									Total	107						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.07190			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	3.59E-06	9	7.15%	4	2.26E-05	17	7.44%	4	2.35E-05
2	0.42%	0	1.32E-06	10	4.37%	2	1.38E-05	18	8.22%	4	2.60E-05
3	0.43%	0	1.36E-06	11	4.65%	2	1.47E-05	19	5.68%	3	1.79E-05
4	0.26%	0	8.09E-07	12	5.86%	3	1.85E-05	20	4.26%	2	1.35E-05
5	0.50%	0	1.58E-06	13	6.13%	3	1.93E-05	21	3.24%	2	1.02E-05
6	0.90%	0	2.85E-06	14	6.01%	3	1.90E-05	22	3.27%	2	1.03E-05
7	3.81%	2	1.20E-05	15	6.98%	4	2.20E-05	23	2.45%	1	7.73E-06
8	7.79%	4	2.46E-05	16	7.18%	4	2.27E-05	24	1.87%	1	5.91E-06
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	3.83E-06	9	7.15%	4	2.40E-05	17	7.44%	4	2.50E-05
2	0.42%	0	1.41E-06	10	4.37%	2	1.47E-05	18	8.22%	4	2.77E-05
3	0.43%	0	1.45E-06	11	4.65%	2	1.56E-05	19	5.68%	3	1.91E-05
4	0.26%	0	8.62E-07	12	5.86%	3	1.97E-05	20	4.26%	2	1.43E-05
5	0.50%	0	1.68E-06	13	6.13%	3	2.06E-05	21	3.24%	2	1.09E-05
6	0.90%	0	3.03E-06	14	6.01%	3	2.02E-05	22	3.27%	2	1.10E-05
7	3.81%	2	1.28E-05	15	6.98%	4	2.35E-05	23	2.45%	1	8.24E-06
8	7.79%	4	2.62E-05	16	7.18%	4	2.41E-05	24	1.87%	1	6.29E-06
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - San Pablo Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	54	6,331	68,150	7.77E-11	5.73E-11	2.6	1.21
TEVAP_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	54	6,745	72,608	7.77E-11	5.73E-11	2.6	1.21
									Total	107						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle per Hour (g/hour)	0.10756			
Emissions per Vehicle per Mile (g/VMT)	0.00269			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	1.34E-07	9	7.15%	4	8.44E-07	17	7.44%	4	8.79E-07
2	0.42%	0	4.94E-08	10	4.37%	2	5.15E-07	18	8.22%	4	9.71E-07
3	0.43%	0	5.09E-08	11	4.65%	2	5.49E-07	19	5.68%	3	6.71E-07
4	0.26%	0	3.03E-08	12	5.86%	3	6.92E-07	20	4.26%	2	5.03E-07
5	0.50%	0	5.90E-08	13	6.13%	3	7.23E-07	21	3.24%	2	3.83E-07
6	0.90%	0	1.06E-07	14	6.01%	3	7.10E-07	22	3.27%	2	3.86E-07
7	3.81%	2	4.50E-07	15	6.98%	4	8.24E-07	23	2.45%	1	2.89E-07
8	7.79%	4	9.19E-07	16	7.18%	4	8.47E-07	24	1.87%	1	2.21E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	1.43E-07	9	7.15%	4	8.99E-07	17	7.44%	4	9.36E-07
2	0.42%	0	5.26E-08	10	4.37%	2	5.49E-07	18	8.22%	4	1.03E-06
3	0.43%	0	5.43E-08	11	4.65%	2	5.85E-07	19	5.68%	3	7.15E-07
4	0.26%	0	3.22E-08	12	5.86%	3	7.37E-07	20	4.26%	2	5.36E-07
5	0.50%	0	6.28E-08	13	6.13%	3	7.71E-07	21	3.24%	2	4.08E-07
6	0.90%	0	1.13E-07	14	6.01%	3	7.56E-07	22	3.27%	2	4.12E-07
7	3.81%	2	4.79E-07	15	6.98%	4	8.78E-07	23	2.45%	1	3.08E-07
8	7.79%	4	9.80E-07	16	7.18%	4	9.03E-07	24	1.87%	1	2.35E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - San Pablo Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	54	6,331	68,150	4.80E-09	3.54E-09	2.6	1.21
FUG_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	54	6,745	72,608	4.80E-09	3.54E-09	2.6	1.21
									Total	107						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00704			
Brake Wear - Emissions per Vehicle (g/VMT)	0.02801			
Road Dust - Emissions per Vehicle (g/VMT)	0.13091			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.16596			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	8.30E-06	9	7.15%	4	5.21E-05	17	7.44%	4	5.42E-05
2	0.42%	0	3.05E-06	10	4.37%	2	3.18E-05	18	8.22%	4	5.99E-05
3	0.43%	0	3.14E-06	11	4.65%	2	3.39E-05	19	5.68%	3	4.14E-05
4	0.26%	0	1.87E-06	12	5.86%	3	4.27E-05	20	4.26%	2	3.11E-05
5	0.50%	0	3.64E-06	13	6.13%	3	4.46E-05	21	3.24%	2	2.36E-05
6	0.90%	0	6.57E-06	14	6.01%	3	4.38E-05	22	3.27%	2	2.38E-05
7	3.81%	2	2.78E-05	15	6.98%	4	5.08E-05	23	2.45%	1	1.78E-05
8	7.79%	4	5.68E-05	16	7.18%	4	5.23E-05	24	1.87%	1	1.36E-05
								Total		54	

2026 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	8.84E-06	9	7.15%	4	5.55E-05	17	7.44%	4	5.78E-05
2	0.42%	0	3.25E-06	10	4.37%	2	3.39E-05	18	8.22%	4	6.38E-05
3	0.43%	0	3.35E-06	11	4.65%	2	3.61E-05	19	5.68%	3	4.41E-05
4	0.26%	0	1.99E-06	12	5.86%	3	4.55E-05	20	4.26%	2	3.31E-05
5	0.50%	0	3.88E-06	13	6.13%	3	4.76E-05	21	3.24%	2	2.52E-05
6	0.90%	0	7.00E-06	14	6.01%	3	4.67E-05	22	3.27%	2	2.54E-05
7	3.81%	2	2.96E-05	15	6.98%	4	5.42E-05	23	2.45%	1	1.90E-05
8	7.79%	4	6.05E-05	16	7.18%	4	5.57E-05	24	1.87%	1	1.45E-05
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Driveway
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Line Area Emission (g/s/m2)	Line Area Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
DPM_NB_DRV	Driveway In	NB	1	475.5	0.30	9.7	31.7	3.4	25	54	4,592	49,430	2.874E-10	2.119E-10	6.8	3.16
DPM_SB_DRV	Driveway Out	SB	1	506.6	0.31	9.7	31.7	3.4	25	54	4,893	52,663	2.874E-10	2.119E-10	6.8	3.16
									Total	107						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00721			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and DPM Emissions - DPM_NB_DRV

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.58%	2	1.14E-06	9	7.39%	4	2.34E-06	17	6.54%	3	2.07E-06
2	2.55%	1	8.07E-07	10	6.52%	3	2.07E-06	18	4.65%	2	1.47E-06
3	2.92%	2	9.26E-07	11	5.58%	3	1.77E-06	19	2.39%	1	7.56E-07
4	3.02%	2	9.56E-07	12	6.16%	3	1.95E-06	20	0.96%	1	3.03E-07
5	2.08%	1	6.57E-07	13	5.59%	3	1.77E-06	21	2.75%	1	8.71E-07
6	2.92%	2	9.26E-07	14	5.50%	3	1.74E-06	22	3.60%	2	1.14E-06
7	6.81%	4	2.16E-06	15	4.56%	2	1.44E-06	23	2.28%	1	7.21E-07
8	5.69%	3	1.80E-06	16	5.03%	3	1.59E-06	24	0.96%	1	3.03E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_DRV

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.58%	2	1.21E-06	9	7.39%	4	2.49E-06	17	6.54%	3	2.21E-06
2	2.55%	1	8.60E-07	10	6.52%	3	2.20E-06	18	4.65%	2	1.57E-06
3	2.92%	2	9.87E-07	11	5.58%	3	1.88E-06	19	2.39%	1	8.05E-07
4	3.02%	2	1.02E-06	12	6.16%	3	2.08E-06	20	0.96%	1	3.23E-07
5	2.08%	1	7.00E-07	13	5.59%	3	1.89E-06	21	2.75%	1	9.28E-07
6	2.92%	2	9.87E-07	14	5.50%	3	1.86E-06	22	3.60%	2	1.21E-06
7	6.81%	4	2.30E-06	15	4.56%	2	1.54E-06	23	2.28%	1	7.69E-07
8	5.69%	3	1.92E-06	16	5.03%	3	1.70E-06	24	0.96%	1	3.23E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Driveway
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_NB_DRV	Driveway In	NB	1	475.5	0.30	9.7	32	1.3	25	54	4,592	49,430	2.80E-10	2.06E-10	2.6	1.21
PM2.5_SB_DRV	Driveway Out	SB	1	506.6	0.31	9.7	32	1.3	25	54	4,893	52,663	2.80E-10	2.06E-10	2.6	1.21
									Total	107						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.007019			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_NB_DRV

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	3.51E-07	9	7.15%	4	2.20E-06	17	7.44%	4	2.29E-06
2	0.42%	0	1.29E-07	10	4.37%	2	1.35E-06	18	8.22%	4	2.53E-06
3	0.43%	0	1.33E-07	11	4.65%	2	1.43E-06	19	5.68%	3	1.75E-06
4	0.26%	0	7.90E-08	12	5.86%	3	1.81E-06	20	4.26%	2	1.31E-06
5	0.50%	0	1.54E-07	13	6.13%	3	1.89E-06	21	3.24%	2	9.99E-07
6	0.90%	0	2.78E-07	14	6.01%	3	1.85E-06	22	3.27%	2	1.01E-06
7	3.81%	2	1.17E-06	15	6.98%	4	2.15E-06	23	2.45%	1	7.55E-07
8	7.79%	4	2.40E-06	16	7.18%	4	2.21E-06	24	1.87%	1	5.77E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_SB_DRV

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	3.74E-07	9	7.15%	4	2.35E-06	17	7.44%	4	2.44E-06
2	0.42%	0	1.37E-07	10	4.37%	2	1.43E-06	18	8.22%	4	2.70E-06
3	0.43%	0	1.42E-07	11	4.65%	2	1.53E-06	19	5.68%	3	1.87E-06
4	0.26%	0	8.41E-08	12	5.86%	3	1.92E-06	20	4.26%	2	1.40E-06
5	0.50%	0	1.64E-07	13	6.13%	3	2.01E-06	21	3.24%	2	1.06E-06
6	0.90%	0	2.96E-07	14	6.01%	3	1.97E-06	22	3.27%	2	1.07E-06
7	3.81%	2	1.25E-06	15	6.98%	4	2.29E-06	23	2.45%	1	8.04E-07
8	7.79%	4	2.56E-06	16	7.18%	4	2.36E-06	24	1.87%	1	6.15E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Driveway
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_NB_DRV	Driveway In	NB	1	475.5	0.30	9.7	32	1.3	25	54	4,592	49,430	4.75E-09	3.50E-09	2.6	1.21
TEXH_SB_DRV	Driveway Out	SB	1	506.6	0.31	9.7	32	1.3	25	54	4,893	52,663	4.75E-09	3.50E-09	2.6	1.21
									Total	107						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.11924			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_DRV

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	5.96E-06	9	7.15%	4	3.74E-05	17	7.44%	4	3.90E-05
2	0.42%	0	2.19E-06	10	4.37%	2	2.29E-05	18	8.22%	4	4.31E-05
3	0.43%	0	2.26E-06	11	4.65%	2	2.43E-05	19	5.68%	3	2.98E-05
4	0.26%	0	1.34E-06	12	5.86%	3	3.07E-05	20	4.26%	2	2.23E-05
5	0.50%	0	2.62E-06	13	6.13%	3	3.21E-05	21	3.24%	2	1.70E-05
6	0.90%	0	4.72E-06	14	6.01%	3	3.15E-05	22	3.27%	2	1.71E-05
7	3.81%	2	2.00E-05	15	6.98%	4	3.65E-05	23	2.45%	1	1.28E-05
8	7.79%	4	4.08E-05	16	7.18%	4	3.76E-05	24	1.87%	1	9.80E-06
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_DRV

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	6.35E-06	9	7.15%	4	3.99E-05	17	7.44%	4	4.15E-05
2	0.42%	0	2.33E-06	10	4.37%	2	2.44E-05	18	8.22%	4	4.59E-05
3	0.43%	0	2.41E-06	11	4.65%	2	2.59E-05	19	5.68%	3	3.17E-05
4	0.26%	0	1.43E-06	12	5.86%	3	3.27E-05	20	4.26%	2	2.38E-05
5	0.50%	0	2.79E-06	13	6.13%	3	3.42E-05	21	3.24%	2	1.81E-05
6	0.90%	0	5.03E-06	14	6.01%	3	3.35E-05	22	3.27%	2	1.83E-05
7	3.81%	2	2.13E-05	15	6.98%	4	3.89E-05	23	2.45%	1	1.37E-05
8	7.79%	4	4.34E-05	16	7.18%	4	4.00E-05	24	1.87%	1	1.04E-05
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Driveway
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_DRV	Driveway In	NB	1	475.5	0.30	9.7	32	1.3	25	54	4,592	49,430	1.71E-10	1.26E-10	2.6	1.21
TEVAP_SB_DRV	Driveway Out	SB	1	506.6	0.31	9.7	32	1.3	25	54	4,893	52,663	1.71E-10	1.26E-10	2.6	1.21
									Total	107						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.10756			
Emissions per Vehicle per Mile (g/VMT)	0.00430			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_DRV

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	2.15E-07	9	7.15%	4	1.35E-06	17	7.44%	4	1.41E-06
2	0.42%	0	7.90E-08	10	4.37%	2	8.25E-07	18	8.22%	4	1.55E-06
3	0.43%	0	8.15E-08	11	4.65%	2	8.78E-07	19	5.68%	3	1.07E-06
4	0.26%	0	4.84E-08	12	5.86%	3	1.11E-06	20	4.26%	2	8.05E-07
5	0.50%	0	9.44E-08	13	6.13%	3	1.16E-06	21	3.24%	2	6.12E-07
6	0.90%	0	1.70E-07	14	6.01%	3	1.14E-06	22	3.27%	2	6.18E-07
7	3.81%	2	7.20E-07	15	6.98%	4	1.32E-06	23	2.45%	1	4.63E-07
8	7.79%	4	1.47E-06	16	7.18%	4	1.36E-06	24	1.87%	1	3.54E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_DRV

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	2.29E-07	9	7.15%	4	1.44E-06	17	7.44%	4	1.50E-06
2	0.42%	0	8.42E-08	10	4.37%	2	8.79E-07	18	8.22%	4	1.65E-06
3	0.43%	0	8.68E-08	11	4.65%	2	9.35E-07	19	5.68%	3	1.14E-06
4	0.26%	0	5.16E-08	12	5.86%	3	1.18E-06	20	4.26%	2	8.58E-07
5	0.50%	0	1.01E-07	13	6.13%	3	1.23E-06	21	3.24%	2	6.52E-07
6	0.90%	0	1.81E-07	14	6.01%	3	1.21E-06	22	3.27%	2	6.59E-07
7	3.81%	2	7.67E-07	15	6.98%	4	1.40E-06	23	2.45%	1	4.93E-07
8	7.79%	4	1.57E-06	16	7.18%	4	1.44E-06	24	1.87%	1	3.77E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Driveway
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_NB_DRV	Driveway In	NB	1	475.5	0.30	9.7	32	1.3	25	54	4,592	49,430	6.97E-09	5.14E-09	2.6	1.21
FUG_SB_DRV	Driveway Out	SB	1	506.6	0.31	9.7	32	1.3	25	54	4,893	52,663	6.97E-09	5.14E-09	2.6	1.21
									Total	107						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00704			
Brake Wear - Emissions per Vehicle (g/VMT)	0.03709			
Road Dust - Emissions per Vehicle (g/VMT)	0.13091			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.17504			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_DRV

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	8.75E-06	9	7.15%	4	5.49E-05	17	7.44%	4	5.72E-05
2	0.42%	0	3.22E-06	10	4.37%	2	3.36E-05	18	8.22%	4	6.32E-05
3	0.43%	0	3.32E-06	11	4.65%	2	3.57E-05	19	5.68%	3	4.37E-05
4	0.26%	0	1.97E-06	12	5.86%	3	4.50E-05	20	4.26%	2	3.28E-05
5	0.50%	0	3.84E-06	13	6.13%	3	4.71E-05	21	3.24%	2	2.49E-05
6	0.90%	0	6.93E-06	14	6.01%	3	4.62E-05	22	3.27%	2	2.52E-05
7	3.81%	2	2.93E-05	15	6.98%	4	5.36E-05	23	2.45%	1	1.88E-05
8	7.79%	4	5.99E-05	16	7.18%	4	5.52E-05	24	1.87%	1	1.44E-05
								Total		54	

2026 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_DRV

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	9.32E-06	9	7.15%	4	5.85E-05	17	7.44%	4	6.09E-05
2	0.42%	0	3.43E-06	10	4.37%	2	3.57E-05	18	8.22%	4	6.73E-05
3	0.43%	0	3.53E-06	11	4.65%	2	3.81E-05	19	5.68%	3	4.65E-05
4	0.26%	0	2.10E-06	12	5.86%	3	4.80E-05	20	4.26%	2	3.49E-05
5	0.50%	0	4.09E-06	13	6.13%	3	5.02E-05	21	3.24%	2	2.65E-05
6	0.90%	0	7.38E-06	14	6.01%	3	4.92E-05	22	3.27%	2	2.68E-05
7	3.81%	2	3.12E-05	15	6.98%	4	5.71E-05	23	2.45%	1	2.01E-05
8	7.79%	4	6.38E-05	16	7.18%	4	5.88E-05	24	1.87%	1	1.53E-05
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Project Site
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Line Area Emission (g/s/m2)	Line Area Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
DPM_PROJ_IN	Project Site Travel Inbound	In	1	138.9	0.09	9.7	31.7	3.4	5	54	1,341	14,439	6.731E-10	4.963E-10	6.8	3.16
DPM_PROJ_OUT	Project Site Travel Outbound	Out	1	115.2	0.07	9.7	31.7	3.4	5	54	1,113	11,975	6.731E-10	4.963E-10	6.8	3.16
									Total	107						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	5			
Emissions per Vehicle (g/VMT)	0.01689			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and DPM Emissions - DPM_PROJ_IN

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.58%	2	7.77E-07	9	7.39%	4	1.60E-06	17	6.54%	3	1.42E-06
2	2.55%	1	5.52E-07	10	6.52%	3	1.41E-06	18	4.65%	2	1.01E-06
3	2.92%	2	6.34E-07	11	5.58%	3	1.21E-06	19	2.39%	1	5.17E-07
4	3.02%	2	6.54E-07	12	6.16%	3	1.33E-06	20	0.96%	1	2.07E-07
5	2.08%	1	4.50E-07	13	5.59%	3	1.21E-06	21	2.75%	1	5.96E-07
6	2.92%	2	6.34E-07	14	5.50%	3	1.19E-06	22	3.60%	2	7.80E-07
7	6.81%	4	1.47E-06	15	4.56%	2	9.87E-07	23	2.28%	1	4.94E-07
8	5.69%	3	1.23E-06	16	5.03%	3	1.09E-06	24	0.96%	1	2.07E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_PROJ_OUT

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.58%	2	6.44E-07	9	7.39%	4	1.33E-06	17	6.54%	3	1.17E-06
2	2.55%	1	4.58E-07	10	6.52%	3	1.17E-06	18	4.65%	2	8.36E-07
3	2.92%	2	5.26E-07	11	5.58%	3	1.00E-06	19	2.39%	1	4.29E-07
4	3.02%	2	5.43E-07	12	6.16%	3	1.11E-06	20	0.96%	1	1.72E-07
5	2.08%	1	3.73E-07	13	5.59%	3	1.01E-06	21	2.75%	1	4.94E-07
6	2.92%	2	5.26E-07	14	5.50%	3	9.88E-07	22	3.60%	2	6.47E-07
7	6.81%	4	1.22E-06	15	4.56%	2	8.19E-07	23	2.28%	1	4.09E-07
8	5.69%	3	1.02E-06	16	5.03%	3	9.03E-07	24	0.96%	1	1.72E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Project Site
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_PROJ_IN	Project Site Travel Inbound	In	1	138.9	0.09	9.7	32	1.3	5	54	1,341	14,439	7.71E-10	5.68E-10	2.6	1.21
PM2.5_PROJ_OUT	Project Site Travel Outbound	Out	1	115.2	0.07	9.7	32	1.3	5	54	1,113	11,975	7.71E-10	5.68E-10	2.6	1.21
									Total	54						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	5			
Emissions per Vehicle (g/VMT)	0.019342			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_PROJ_IN

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	2.82E-07	9	7.15%	4	1.77E-06	17	7.44%	4	1.85E-06
2	0.42%	0	1.04E-07	10	4.37%	2	1.08E-06	18	8.22%	4	2.04E-06
3	0.43%	0	1.07E-07	11	4.65%	2	1.15E-06	19	5.68%	3	1.41E-06
4	0.26%	0	6.36E-08	12	5.86%	3	1.45E-06	20	4.26%	2	1.06E-06
5	0.50%	0	1.24E-07	13	6.13%	3	1.52E-06	21	3.24%	2	8.04E-07
6	0.90%	0	2.24E-07	14	6.01%	3	1.49E-06	22	3.27%	2	8.12E-07
7	3.81%	2	9.46E-07	15	6.98%	4	1.73E-06	23	2.45%	1	6.08E-07
8	7.79%	4	1.93E-06	16	7.18%	4	1.78E-06	24	1.87%	1	4.64E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_PROJ_OUT

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	2.34E-07	9	7.15%	4	1.47E-06	17	7.44%	4	1.53E-06
2	0.42%	0	8.61E-08	10	4.37%	2	8.98E-07	18	8.22%	4	1.69E-06
3	0.43%	0	8.88E-08	11	4.65%	2	9.56E-07	19	5.68%	3	1.17E-06
4	0.26%	0	5.27E-08	12	5.86%	3	1.21E-06	20	4.26%	2	8.77E-07
5	0.50%	0	1.03E-07	13	6.13%	3	1.26E-06	21	3.24%	2	6.67E-07
6	0.90%	0	1.86E-07	14	6.01%	3	1.24E-06	22	3.27%	2	6.73E-07
7	3.81%	2	7.84E-07	15	6.98%	4	1.44E-06	23	2.45%	1	5.04E-07
8	7.79%	4	1.60E-06	16	7.18%	4	1.48E-06	24	1.87%	1	3.85E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Project Site
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_PROJ_IN	Project Site Travel Inbound	In	1	138.9	0.09	9.7	32	1.3	5	54	1,341	14,439	2.33E-08	1.72E-08	2.6	1.21
TEXH_PROJ_OUT	Project Site Travel Outbound	Out	1	115.2	0.07	9.7	32	1.3	5	54	1,113	11,975	2.33E-08	1.72E-08	2.6	1.21
									Total	54						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	5			
Emissions per Vehicle (g/VMT)	0.58414			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_PROJ_IN

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	8.53E-06	9	7.15%	4	5.36E-05	17	7.44%	4	5.57E-05
2	0.42%	0	3.13E-06	10	4.37%	2	3.27E-05	18	8.22%	4	6.16E-05
3	0.43%	0	3.23E-06	11	4.65%	2	3.48E-05	19	5.68%	3	4.26E-05
4	0.26%	0	1.92E-06	12	5.86%	3	4.39E-05	20	4.26%	2	3.19E-05
5	0.50%	0	3.74E-06	13	6.13%	3	4.59E-05	21	3.24%	2	2.43E-05
6	0.90%	0	6.76E-06	14	6.01%	3	4.51E-05	22	3.27%	2	2.45E-05
7	3.81%	2	2.86E-05	15	6.98%	4	5.23E-05	23	2.45%	1	1.83E-05
8	7.79%	4	5.83E-05	16	7.18%	4	5.38E-05	24	1.87%	1	1.40E-05
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_PROJ_OUT

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	7.07E-06	9	7.15%	4	4.44E-05	17	7.44%	4	4.62E-05
2	0.42%	0	2.60E-06	10	4.37%	2	2.71E-05	18	8.22%	4	5.11E-05
3	0.43%	0	2.68E-06	11	4.65%	2	2.89E-05	19	5.68%	3	3.53E-05
4	0.26%	0	1.59E-06	12	5.86%	3	3.64E-05	20	4.26%	2	2.65E-05
5	0.50%	0	3.10E-06	13	6.13%	3	3.81E-05	21	3.24%	2	2.01E-05
6	0.90%	0	5.60E-06	14	6.01%	3	3.74E-05	22	3.27%	2	2.03E-05
7	3.81%	2	2.37E-05	15	6.98%	4	4.34E-05	23	2.45%	1	1.52E-05
8	7.79%	4	4.84E-05	16	7.18%	4	4.46E-05	24	1.87%	1	1.16E-05
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Project Site
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_PROJ_IN	Project Site Travel Inbound	In	1	138.9	0.09	9.7	32	1.3	5	54	1,341	14,439	8.57E-10	6.32E-10	2.6	1.21
TEVAP_PROJ_OUT	Project Site Travel Outbound	Out	1	115.2	0.07	9.7	32	1.3	5	54	1,113	11,975	8.57E-10	6.32E-10	2.6	1.21
									Total	54						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	5			
Emissions per Vehicle per Hour (g/hour)	0.10756			
Emissions per Vehicle per Mile (g/VMT)	0.02151			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_PROJ_IN

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	3.14E-07	9	7.15%	4	1.97E-06	17	7.44%	4	2.05E-06
2	0.42%	0	1.15E-07	10	4.37%	2	1.20E-06	18	8.22%	4	2.27E-06
3	0.43%	0	1.19E-07	11	4.65%	2	1.28E-06	19	5.68%	3	1.57E-06
4	0.26%	0	7.07E-08	12	5.86%	3	1.62E-06	20	4.26%	2	1.18E-06
5	0.50%	0	1.38E-07	13	6.13%	3	1.69E-06	21	3.24%	2	8.94E-07
6	0.90%	0	2.49E-07	14	6.01%	3	1.66E-06	22	3.27%	2	9.03E-07
7	3.81%	2	1.05E-06	15	6.98%	4	1.93E-06	23	2.45%	1	6.76E-07
8	7.79%	4	2.15E-06	16	7.18%	4	1.98E-06	24	1.87%	1	5.16E-07
								Total		54	

2026 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_PROJ_OUT

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	2.61E-07	9	7.15%	4	1.64E-06	17	7.44%	4	1.70E-06
2	0.42%	0	9.58E-08	10	4.37%	2	9.99E-07	18	8.22%	4	1.88E-06
3	0.43%	0	9.87E-08	11	4.65%	2	1.06E-06	19	5.68%	3	1.30E-06
4	0.26%	0	5.86E-08	12	5.86%	3	1.34E-06	20	4.26%	2	9.75E-07
5	0.50%	0	1.14E-07	13	6.13%	3	1.40E-06	21	3.24%	2	7.42E-07
6	0.90%	0	2.06E-07	14	6.01%	3	1.38E-06	22	3.27%	2	7.49E-07
7	3.81%	2	8.72E-07	15	6.98%	4	1.60E-06	23	2.45%	1	5.60E-07
8	7.79%	4	1.78E-06	16	7.18%	4	1.64E-06	24	1.87%	1	4.28E-07
								Total		54	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Truck Trips - Project Site
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2026

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_PROJ_IN	Project Site Travel Inbound	In	1	138.9	0.09	9.7	32	1.3	5	54	1,341	14,439	7.09E-09	5.23E-09	2.6	1.21
FUG_PROJ_OUT	Project Site Travel Outbound	Out	1	115.2	0.07	9.7	32	1.3	5	54	1,113	11,975	7.09E-09	5.23E-09	2.6	1.21
									Total	54						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	5			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00704			
Brake Wear - Emissions per Vehicle (g/VMT)	0.04009			
Road Dust - Emissions per Vehicle (g/VMT)	0.13091			
otal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.17804			

Emisson Factors from CT-EMFAC2021

2026 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_PROJ_IN

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	1	2.60E-06	9	7.15%	4	1.63E-05	17	7.44%	4	1.70E-05
2	0.42%	0	9.55E-07	10	4.37%	2	9.97E-06	18	8.22%	4	1.88E-05
3	0.43%	0	9.85E-07	11	4.65%	2	1.06E-05	19	5.68%	3	1.30E-05
4	0.26%	0	5.85E-07	12	5.86%	3	1.34E-05	20	4.26%	2	9.73E-06
5	0.50%	0	1.14E-06	13	6.13%	3	1.40E-05	21	3.24%	2	7.40E-06
6	0.90%	0	2.06E-06	14	6.01%	3	1.37E-05	22	3.27%	2	7.47E-06
7	3.81%	2	8.70E-06	15	6.98%	4	1.59E-05	23	2.45%	1	5.59E-06
8	7.79%	4	1.78E-05	16	7.18%	4	1.64E-05	24	1.87%	1	4.27E-06
								Total		54	

2026 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_PROJ_OUT

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	1	2.16E-06	9	7.15%	4	1.35E-05	17	7.44%	4	1.41E-05
2	0.42%	0	7.92E-07	10	4.37%	2	8.27E-06	18	8.22%	4	1.56E-05
3	0.43%	0	8.17E-07	11	4.65%	2	8.80E-06	19	5.68%	3	1.08E-05
4	0.26%	0	4.85E-07	12	5.86%	3	1.11E-05	20	4.26%	2	8.07E-06
5	0.50%	0	9.46E-07	13	6.13%	3	1.16E-05	21	3.24%	2	6.14E-06
6	0.90%	0	1.71E-06	14	6.01%	3	1.14E-05	22	3.27%	2	6.20E-06
7	3.81%	2	7.22E-06	15	6.98%	4	1.32E-05	23	2.45%	1	4.64E-06
8	7.79%	4	1.47E-05	16	7.18%	4	1.36E-05	24	1.87%	1	3.54E-06
								Total		54	

HHDT Idle Emissions - DPM

Source Type	On-Site	Area Length	Area Width	Release Height (m)	No. of Daily Trucks	Idle Emissions Factor[b] (g/veh-hr)	Idle Emissions Daily (g/day)	Idle Emissions ($g/s/m^2$)	Idle Emissions Annual (g/yr)	Idle Emissions (lb/yr)
Area	Heavy Heavy Duty Trucks	Idle Area	Idle Area	6.00	54.0	0.08447	0.380115	1.35364E-09	138.742	0.305874

Emissions Factor from CT_EMFAC2021

Truck Idle DPM Emission Information

Emissions Factor @ 5 mph (g/mi)	=	0.016894
HHDT Idle Emissions Rate (g/hr)	=	0.08447
Idle Time per truck (min)	=	5
Idle Area Source Size (m^2)	=	3250.1

Attachment 3: Cumulative Health Risk Modeling Information and Calculations

BAAQMD Rail Raster Cancer Risk

BAAQMD Rail Raster Annual $PM_{2.5}$

BAAQMD Rail Raster Hazard Index

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           File Name:   Local Roadways 2025.EF
CT-EMFAC2021 Version:   1.0.2.0
            Run Date:   4/4/2024 3:25:08 PM
                Area:   Contra Costa (SF)
       Analysis Year:   2025
              Season:   Annual

======================================================================

Vehicle Category        VMT Fraction            Diesel VMT Fraction     Gas VMT
Fraction
                        Across Category         Within Category         Within
Category
         Truck 1             0.019                  0.458                    0.533
         Truck 2             0.017                  0.911                    0.043
       Non-Truck             0.964                  0.007                    0.938

======================================================================

               Road Type:       Major/Collector
     Silt Loading Factor:                  CARB         0.032 g/m2
Precipitation Correction:                  CARB         P = 65 days     N = 365
days

======================================================================

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

       Pollutant Name        40 mph
                PM2.5      0.001370
                  TOG      0.019634
            Diesel PM      0.000442

======================================================================

Fleet Average Running Loss Emission Factors (grams/veh-hour)

       Pollutant Name   Emission Factor
                  TOG          1.134743

======================================================================

Fleet Average Tire Wear Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                PM2.5          0.002098

======================================================================
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Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	40 mph
PM2.5	0.005095

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.015360

==========END==========

File Name: TruckTrips 2026.EF
CT-EMFAC2021 Version: 1.0.2.0
Run Date: 4/17/2024 1:32:48 PM
Area: Contra Costa (SF)
Analysis Year: 2026
Season: Annual

==========

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.000	0.455	0.529
Truck 2	1.000	0.906	0.043
Non-Truck	0.000	0.006	0.934

==========

Road Type: Major/Collector
Silt Loading Factor: CARB 0.032 g/m2
Precipitation Correction: CARB P = 65 days N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.019342	0.015959	0.011329	0.008420	0.007019	0.006637	0.007015	0.008152	0.010048	0.012704	0.016121	0.020121	0.024608	0.024611	0.024611
PM10	0.020237	0.016695	0.011852	0.008808	0.007343	0.006942	0.007336	0.008524	0.010505	0.013281	0.016853	0.021034	0.025724	0.025728	0.025728
NOx	8.066195	5.860620	3.895133	3.021547	2.356014	1.836301	1.430778	1.138438	0.958728	0.891325	0.936036	1.091228	1.353585	1.353970	1.353970
TOG	0.584139	0.387809	0.226036	0.153936	0.119242	0.097859	0.082769	0.071899	0.064136	0.058830	0.055579	0.057276	0.059561	0.059813	0.059836
ROG	0.160963	0.102115	0.053482	0.031316	0.023167	0.018625	0.015317	0.013107	0.011913	0.011686	0.012395	0.013861	0.015807	0.015983	0.016003
Diesel PM	0.016894	0.016341	0.011604	0.008558	0.007213	0.006839	0.007246	0.008434	0.010404	0.013157	0.016695	0.020837	0.025481	0.025481	0.025481

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	0.107559
ROG	0.107559

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.007043
PM10	0.028171

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.040086	0.040086	0.039666	0.038899	0.037085	0.036097	0.031283	0.028008	0.024734	0.022376	0.022376	0.022376	0.022376	0.022376	0.022376
PM10	0.114532	0.114532	0.113333	0.111139	0.105957	0.103134	0.089379	0.080024	0.070668	0.063933	0.063933	0.063933	0.063933	0.063933	0.063933

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.130911
PM10	0.872741

==========END==========

830 San Pablo Ave, Pinole, CA - San Pablo Avenue Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Construction Residential MEI Receptor (1.5 meter receptor height)

Emission Year	2025
Receptor Information	Construction Residential MEI receptor
Number of Receptors	1
Receptor Height	1.5 meters
Receptor Distances	At Construction Residential MEI location

Meteorological Conditions

BAAQMD Conoco Phillips Hillcrest Met Dat	2013-2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction Residential MEI Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)*		
	DPM	Exhaust TOG	Evaporative TOG
2013-2017	0.0002	0.0081	0.0118

Construction Residential MEI PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)*		
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5
2013-2017	0.0099	0.0094	0.0006

830 San Pablo Ave, Pinole, CA - San Pablo Avenue Traffic Cancer Risk
Impacts at Construction Residential MEIs - 1.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2025	10	0.0002	0.0081	0.0118	0.003	0.001	0.0001	0.00
1	1	0 - 1	2025	10	0.0002	0.0081	0.0118	0.034	0.008	0.0006	0.04
2	1	1 - 2	2026	10	0.0002	0.0081	0.0118	0.034	0.008	0.0006	0.04
3	1	2 - 3	2027	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
4	1	3 - 4	2028	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
5	1	4 - 5	2029	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
6	1	5 - 6	2030	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
7	1	6 - 7	2031	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
8	1	7 - 8	2032	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
9	1	8 - 9	2033	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
10	1	9 - 10	2034	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
11	1	10 - 11	2035	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
12	1	11 - 12	2036	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
13	1	12 - 13	2037	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
14	1	13 - 14	2038	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
15	1	14 - 15	2039	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
16	1	15 - 16	2040	3	0.0002	0.0081	0.0118	0.005	0.001	0.0001	0.01
17	1	16-17	2041	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0002	0.0081	0.0118	0.001	0.000	0.0000	0.00
Total Increased Cancer Risk								0.16	0.035	0.003	**0.19**

Hazard Index	Maximum Fugitive PM2.5	Total PM2.5
0.00004	0.01	0.01

* Third trimester of pregnancy

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Cumulative Operation - San Pablo Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2025

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Line Area Emission (g/s/m2)	Line Area Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
DPM_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	43.7	3.4	40	9,456	6,331	68,150	2.257E-09	1.664E-09	6.8	3.16
DPM_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	43.7	3.4	40	9,456	6,745	72,608	2.257E-09	1.664E-09	6.8	3.16
									Total	18,911						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.00044			

Emisson Factors from CT-EMFAC2021

2025 Hourly Traffic Volumes and DPM Emissions - DPM_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.58%	339	1.23E-05	9	7.39%	698	2.53E-05	17	6.54%	618	2.24E-05
2	2.55%	241	8.74E-06	10	6.52%	617	2.24E-05	18	4.65%	440	1.59E-05
3	2.92%	277	1.00E-05	11	5.58%	528	1.91E-05	19	2.39%	226	8.18E-06
4	3.02%	285	1.04E-05	12	6.16%	582	2.11E-05	20	0.96%	90	3.28E-06
5	2.08%	196	7.12E-06	13	5.59%	529	1.92E-05	21	2.75%	260	9.43E-06
6	2.92%	277	1.00E-05	14	5.50%	520	1.89E-05	22	3.60%	340	1.23E-05
7	6.81%	644	2.33E-05	15	4.56%	431	1.56E-05	23	2.28%	215	7.81E-06
8	5.69%	538	1.95E-05	16	5.03%	475	1.72E-05	24	0.96%	90	3.28E-06
								Total		9,456	

2025 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.58%	339	1.31E-05	9	7.39%	698	2.70E-05	17	6.54%	618	2.39E-05
2	2.55%	241	9.31E-06	10	6.52%	617	2.38E-05	18	4.65%	440	1.70E-05
3	2.92%	277	1.07E-05	11	5.58%	528	2.04E-05	19	2.39%	226	8.72E-06
4	3.02%	285	1.10E-05	12	6.16%	582	2.25E-05	20	0.96%	90	3.50E-06
5	2.08%	196	7.58E-06	13	5.59%	529	2.04E-05	21	2.75%	260	1.00E-05
6	2.92%	277	1.07E-05	14	5.50%	520	2.01E-05	22	3.60%	340	1.32E-05
7	6.81%	644	2.49E-05	15	4.56%	431	1.66E-05	23	2.28%	215	8.32E-06
8	5.69%	538	2.08E-05	16	5.03%	475	1.84E-05	24	0.96%	90	3.50E-06
								Total		9,456	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Cumulative Operation - San Pablo Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2025

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	9,456	6,331	68,150	7.00E-09	5.16E-09	2.6	1.21
PM2.5_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	9,456	6,745	72,608	7.00E-09	5.16E-09	2.6	1.21
									Total	18,911						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.001370			

Emisson Factors from CT-EMFAC2021

2025 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	108	1.21E-05	9	7.15%	676	7.60E-05	17	7.44%	704	7.91E-05
2	0.42%	40	4.45E-06	10	4.37%	413	4.64E-05	18	8.22%	777	8.74E-05
3	0.43%	41	4.59E-06	11	4.65%	439	4.94E-05	19	5.68%	537	6.04E-05
4	0.26%	24	2.72E-06	12	5.86%	554	6.23E-05	20	4.26%	403	4.53E-05
5	0.50%	47	5.31E-06	13	6.13%	579	6.51E-05	21	3.24%	306	3.44E-05
6	0.90%	85	9.59E-06	14	6.01%	569	6.39E-05	22	3.27%	309	3.48E-05
7	3.81%	360	4.05E-05	15	6.98%	660	7.42E-05	23	2.45%	232	2.60E-05
8	7.79%	736	8.28E-05	16	7.18%	679	7.63E-05	24	1.87%	177	1.99E-05
								Total		9,456	

2025 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	108	1.29E-05	9	7.15%	676	8.10E-05	17	7.44%	704	8.43E-05
2	0.42%	40	4.74E-06	10	4.37%	413	4.95E-05	18	8.22%	777	9.31E-05
3	0.43%	41	4.89E-06	11	4.65%	439	5.26E-05	19	5.68%	537	6.44E-05
4	0.26%	24	2.90E-06	12	5.86%	554	6.64E-05	20	4.26%	403	4.83E-05
5	0.50%	47	5.66E-06	13	6.13%	579	6.94E-05	21	3.24%	306	3.67E-05
6	0.90%	85	1.02E-05	14	6.01%	569	6.81E-05	22	3.27%	309	3.71E-05
7	3.81%	360	4.32E-05	15	6.98%	660	7.90E-05	23	2.45%	232	2.77E-05
8	7.79%	736	8.82E-05	16	7.18%	679	8.13E-05	24	1.87%	177	2.12E-05
								Total		9,456	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Cumulative Operation - San Pablo Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2025

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	9,456	6,331	68,150	1.00E-07	7.39E-08	2.6	1.21
TEXH_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	9,456	6,745	72,608	1.00E-07	7.39E-08	2.6	1.21
									Total	18,911						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.01963			

Emisson Factors from CT-EMFAC2021

2025 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	108	1.73E-04	9	7.15%	676	1.09E-03	17	7.44%	704	1.13E-03
2	0.42%	40	6.38E-05	10	4.37%	413	6.65E-04	18	8.22%	777	1.25E-03
3	0.43%	41	6.57E-05	11	4.65%	439	7.08E-04	19	5.68%	537	8.66E-04
4	0.26%	24	3.90E-05	12	5.86%	554	8.93E-04	20	4.26%	403	6.49E-04
5	0.50%	47	7.61E-05	13	6.13%	579	9.34E-04	21	3.24%	306	4.94E-04
6	0.90%	85	1.37E-04	14	6.01%	569	9.16E-04	22	3.27%	309	4.99E-04
7	3.81%	360	5.81E-04	15	6.98%	660	1.06E-03	23	2.45%	232	3.73E-04
8	7.79%	736	1.19E-03	16	7.18%	679	1.09E-03	24	1.87%	177	2.85E-04
								Total		9,456	

2025 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	108	1.85E-04	9	7.15%	676	1.16E-03	17	7.44%	704	1.21E-03
2	0.42%	40	6.79E-05	10	4.37%	413	7.09E-04	18	8.22%	777	1.33E-03
3	0.43%	41	7.00E-05	11	4.65%	439	7.55E-04	19	5.68%	537	9.22E-04
4	0.26%	24	4.16E-05	12	5.86%	554	9.51E-04	20	4.26%	403	6.92E-04
5	0.50%	47	8.11E-05	13	6.13%	579	9.95E-04	21	3.24%	306	5.26E-04
6	0.90%	85	1.46E-04	14	6.01%	569	9.76E-04	22	3.27%	309	5.31E-04
7	3.81%	360	6.19E-04	15	6.98%	660	1.13E-03	23	2.45%	232	3.98E-04
8	7.79%	736	1.26E-03	16	7.18%	679	1.17E-03	24	1.87%	177	3.04E-04
								Total		9,456	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Cumulative Operation - San Pablo Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2025

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	9,456	6,331	68,150	1.45E-07	1.07E-07	2.6	1.21
TEVAP_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	9,456	6,745	72,608	1.45E-07	1.07E-07	2.6	1.21
									Total	18,911						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle per Hour (g/hour)	1.13474			
Emissions per Vehicle per Mile (g/VMT)	0.02837			

Emisson Factors from CT-EMFAC2021

2025 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	108	2.51E-04	9	7.15%	676	1.57E-03	17	7.44%	704	1.64E-03
2	0.42%	40	9.21E-05	10	4.37%	413	9.61E-04	18	8.22%	777	1.81E-03
3	0.43%	41	9.50E-05	11	4.65%	439	1.02E-03	19	5.68%	537	1.25E-03
4	0.26%	24	5.64E-05	12	5.86%	554	1.29E-03	20	4.26%	403	9.38E-04
5	0.50%	47	1.10E-04	13	6.13%	579	1.35E-03	21	3.24%	306	7.13E-04
6	0.90%	85	1.99E-04	14	6.01%	569	1.32E-03	22	3.27%	309	7.20E-04
7	3.81%	360	8.39E-04	15	6.98%	660	1.54E-03	23	2.45%	232	5.39E-04
8	7.79%	736	1.71E-03	16	7.18%	679	1.58E-03	24	1.87%	177	4.12E-04
								Total		9,456	

2025 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	108	2.67E-04	9	7.15%	676	1.68E-03	17	7.44%	704	1.75E-03
2	0.42%	40	9.81E-05	10	4.37%	413	1.02E-03	18	8.22%	777	1.93E-03
3	0.43%	41	1.01E-04	11	4.65%	439	1.09E-03	19	5.68%	537	1.33E-03
4	0.26%	24	6.01E-05	12	5.86%	554	1.37E-03	20	4.26%	403	1.00E-03
5	0.50%	47	1.17E-04	13	6.13%	579	1.44E-03	21	3.24%	306	7.60E-04
6	0.90%	85	2.11E-04	14	6.01%	569	1.41E-03	22	3.27%	309	7.68E-04
7	3.81%	360	8.94E-04	15	6.98%	660	1.64E-03	23	2.45%	232	5.74E-04
8	7.79%	736	1.83E-03	16	7.18%	679	1.68E-03	24	1.87%	177	4.39E-04
								Total		9,456	

830 San Pablo Ave, Pinole, CA - Off-Site Residential
Cumulative Operation - San Pablo Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2025

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_EB_SPA	San Pablo Avenue Eastbound	EB	2	475.5	0.30	13.3	44	1.3	40	9,456	6,331	68,150	1.15E-07	8.49E-08	2.6	1.21
FUG_WB_SPA	San Pablo Avenue Westbound	WB	2	506.6	0.31	13.3	44	1.3	40	9,456	6,745	72,608	1.15E-07	8.49E-08	2.6	1.21
									Total	18,911						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00210			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00510			
Road Dust - Emissions per Vehicle (g/VMT)	0.01536			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02255			

Emisson Factors from CT-EMFAC2021

2025 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_SPA

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.14%	108	1.99E-04	9	7.15%	676	1.25E-03	17	7.44%	704	1.30E-03
2	0.42%	40	7.32E-05	10	4.37%	413	7.64E-04	18	8.22%	777	1.44E-03
3	0.43%	41	7.55E-05	11	4.65%	439	8.13E-04	19	5.68%	537	9.95E-04
4	0.26%	24	4.48E-05	12	5.86%	554	1.03E-03	20	4.26%	403	7.46E-04
5	0.50%	47	8.74E-05	13	6.13%	579	1.07E-03	21	3.24%	306	5.67E-04
6	0.90%	85	1.58E-04	14	6.01%	569	1.05E-03	22	3.27%	309	5.73E-04
7	3.81%	360	6.67E-04	15	6.98%	660	1.22E-03	23	2.45%	232	4.29E-04
8	7.79%	736	1.36E-03	16	7.18%	679	1.26E-03	24	1.87%	177	3.28E-04
								Total		9,456	

2025 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_SPA

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.14%	108	2.12E-04	9	7.15%	676	1.33E-03	17	7.44%	704	1.39E-03
2	0.42%	40	7.80E-05	10	4.37%	413	8.14E-04	18	8.22%	777	1.53E-03
3	0.43%	41	8.04E-05	11	4.65%	439	8.67E-04	19	5.68%	537	1.06E-03
4	0.26%	24	4.78E-05	12	5.86%	554	1.09E-03	20	4.26%	403	7.95E-04
5	0.50%	47	9.31E-05	13	6.13%	579	1.14E-03	21	3.24%	306	6.04E-04
6	0.90%	85	1.68E-04	14	6.01%	569	1.12E-03	22	3.27%	309	6.10E-04
7	3.81%	360	7.11E-04	15	6.98%	660	1.30E-03	23	2.45%	232	4.57E-04
8	7.79%	736	1.45E-03	16	7.18%	679	1.34E-03	24	1.87%	177	3.49E-04
								Total		9,456	

Bay Area Air Quality Management District

Risk & Hazard Stationary Source Inquiry Form

This form is required when users request stationary source data from BAAQMD

This form is to be used with the BAAQMD's Google Earth stationary source screening tables.

Click here for guidance on coducting risk & hazard screening, including roadways & freeways, refer to the District's Risk & Hazard Analysis flow chart.

Click here for District's Recommended Methods for Screening and Modeling Local Risks and Hazards document.

Table A: Requester Contact Information

Date of Request	**1/13/2023**
Contact Name	Jordyn Bauer
Affiliation	Illingworth & Rodkin, Inc.
Phone	707-794-0400 x103
Email	jbauer@illingworthrodkin.com
Project Name	Pinole Shores
Address	848 San Pablo Ave
City	Pinole
County	Contra Costa
Type (residential, commercial, mixed use, industrial, etc.)	Industrial
Project Size (# of units or building square feet)	117,943

Comments:

For Air District assistance, the following steps must be completed:

1. Complete all the contact and project information requested in **Table A** incomplete forms will not be processed. Please include a project site map.

2. Download and install the free program Google Earth, **http://www.google.com/earth/download/ge/,** and then download the county specific Google Earth stationary source application files from the District's website, **http://www.baaqmd.gov/Divisions/Planning-and-Research/CEQA-GUIDELINES/Tools-and-Methodology.aspx.** The small points on the map represent stationary sources permitted by the District (Map A on right). These permitted sources include diesel back-up generators, gas stations, dry cleaners, boilers, printers, auto spray booths, etc. Click on a point to view the source's Information Table, including the name, location, and preliminary estimated cancer risk, hazard index, and PM2.5 concentration.

3. Find the project site in Google Earth by inputting the site's address in the Google Earth search box.

4. Identify stationary sources within at least a 1000ft radius of project site. Verify that the location of the source on the map matches with the source's address in the Information Table, by using the Google Earth address search box to confirm the source's address location. Please report any mapping errors to the District.

5. List the stationary source information in **Table B** lue section only.

6. Note that a small percentage of the stationary sources have Health Risk Screening Assessment (HRSA) data INSTEAD of screening level data. These sources will be noted by an asterisk next to the Plant Name (Map B on right). If HRSA values are presented, these values have already been modeled and cannot be adjusted further.

7. Email this completed form to District staff. District staff will provide the most recent risk, hazard, and PM2.5 data that are available for the source(s). If this information or data are not available, source emissions data will be provided. Staff will respond to inquiries within three weeks.

Note that a public records request received for the same stationary source information will cancel the processing of your SSIF request.

Submit forms, maps, and questions to Matthew Hanson at 415-749-8733, or mhanson@baaqmd.gov

Table B: Google Earth data

Project MEI

Distance from Receptor (feet) or MEI[1]	Plant No.	Facility Name	Address	Cancer Risk[2]	Hazard Risk[2]	$PM_{2.5}$[2]	Source No.[3]	Type of Source[4]	Fuel Code[5]	Status/Comments	Distance Adjustment Multiplier	Adjusted Cancer Risk Estimate	Adjusted Hazard Risk	Adjusted PM2.5
955	14312	Crocketts Premier Auto Body	900 San Pablo Ave	0	0.0032804	0		No Data		2020 Dataset	0.14	0.00	0.00046	0.0000
850	24845	Central Concrete Pinole Plant	800 San Pablo Ave	0	0	5.886679		No Data		2020 Dataset	0.18	0.00	0.00000	1.0419
1000+	108694_1	Western Contra Costa Transit A	601 Walter Ave	0.68	0.0032351	0		Gas Dispensing Facility		2020 Dataset	0.02	0.01	0.000	0.0000

Footnotes:

1. Maximally exposed individual
2. These Cancer Risk, Hazard Index, and PM2.5 columns represent the values in the Google Earth Plant Information Table.
3. Each plant may have multiple permits and sources.
4. Permitted sources include diesel back-up generators, gas stations, dry cleaners, boilers, printers, auto spray booths, etc.
5. Fuel codes: 98 = diesel, 189 = Natural Gas.
6. If a Health Risk Screening Assessment (HRSA) was completed for the source, the application number will be listed here.

8. Engineer who completed the HRSA. For District purposes only.
9. All HRSA completed before 1/5/2010 need to be multiplied by an age sensitivity factor of 1.7.
10. The HRSA "Chronic Health" number represents the Hazard Index.
11. Further information about common sources:
    a. Sources that only include diesel internal combustion engines can be adjusted using the BAAQMD's Diesel Multiplier worksheet.
    b. The risk from natural gas boilers used for space heating when <25 MM BTU/hr would have an estimated cancer risk of one in a million or less, and a chronic hazard index of 0.003 or
    c. BAAQMD Reg 11 Rule 16 required that all co-residential (sharing a wall, floor, ceiling or is in the same building as a residential unit) dry cleaners cease use of perc on July 1, 2010. Therefore, there is no cancer risk, hazard or PM2.5 concentrations from co-residential dry cleaning businesses in the BAAQMD.
    d. Non co-residential dry cleaners must phase out use of perc by Jan. 1, 2023. Therefore, the risk from these dry cleaners does not need to be factored in over a 70-year period, but instead should reflect
    e. Gas stations can be adjusted using BAAQMD's Gas Station Distance Mulitplier worksheet.
    f. Unless otherwise noted, exempt sources are considered insignificant. See BAAQMD Reg 2 Rule 1 for a list of exempt sources.
    g. This spray booth is considered to be insignificant.

Date last updated:
03/13/2018

Screening Report

Area of Interest (AOI) Information

Area : 6,480,930.11 ft²

Sep 9 2022 15:03:43 Pacific Daylight Time

Permitted Stationary Sources

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Map data © OpenStreetMap contributors, CC-BY-SA

Summary

Name	Count	Area(ft²)	Length(ft)
Permitted Stationary Sources	3	N/A	N/A

Permitted Stationary Sources

#	FacID	FacName	Address	City	Street
1	14312	Crocketts Premier Auto Body	900 San Pablo Ave	Pinole	CA
2	24845	Central Concrete Pinole Plant	800 San Pablo Ave	Pinole	CA
3	108694_1	Western Contra Costa Transit Authority	601 Walter Ave	Pinole	CA

#	Zip	County	Latitude	Longitude	Details
1	94,564.00	Contra Costa	38.01	-122.31	*No Data*
2	94,564.00	Contra Costa	38.00	-122.31	*No Data*
3	94,564.00	Contra Costa	38.01	-122.31	Gas Dispensing Facility

#	NAICS	Sector	Sub_Sector	Industry	ChronicHI
1	811,121.00	Other Services (except Public Administration)	Repair and Maintenance	Automotive Body, Paint, and Interior Repair and Maintenance	0.0032804
2	327,320.00	Manufacturing	Nonmetallic Mineral Product Manufacturing	Ready-Mix Concrete Manufacturing	0.0000000
3	485,119.00	Transportation and Warehousing	Transit and Ground Passenger Transportation	Other Urban Transit Systems	0.0032351

#	PM2_5	Cancer Risk {expression/expr0}	Chronic Hazard Index {expression/expr1}	PM2.5 {expression/expr2}	Count
1	0.0000000	*No Data*	0.003	*No Data*	1
2	5.8866787	*No Data*	*No Data*	5.887	1
3	0.0000000	0.675	0.003	*No Data*	1

NOTE: A larger buffer than 1000 feet may be warranted depending on proximity to significant sources.

830 San Pablo Ave, Pinole, CA

PM2.5 Fugitive Dust Emissions for Modeling - Central Concrete

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2025	Operation	OPR_FUG	0.3440	687.9	0.15706	1.98E-02	22,858	8.66E-07
Total			***0.3440***	***687.9***	***0.1571***	***0.0198***		

830 San Pablo Ave, Pinole, CA - Central Concrete Impacts
Maximum PM2.5 Calculations
Impacts at Off-Site MEI Location - 1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Maximum Fugitive PM2.5
0.12

MONK & ASSOCIATES
Environmental Consultants

BIOLOGICAL RESOURCES ANALYSIS
PINOLE SHORES PROJECT
PINOLE, CALIFORNIA

October 12, 2022

Prepared for

Metropolitan Planning Group
1303 Jefferson Street, Suite 100-B
Napa, California 94559
Contact: Ms. Olivia Ervin

Prepared by

Monk & Associates, Inc.
1136 Saranap Avenue, Suite Q
Walnut Creek, CA 94595
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TABLE OF CONTENTS

1. INTRODUCTION 1
2. FINDINGS 1
3. PROPERTY LOCATION AND SETTING 2
4. PROPOSED PROJECT 2
5. ANALYSIS METHODS 2
6. RESULTS OF RESEARCH AND PROJECT SITE ANALYSES 2
6.1 Topography and Hydrology 2
6.2 Plant Communities and Associated Wildlife Habitats 2
6.2.1 RUDERAL HERBACEOUS 3
6.2.2 MIXED OAK WOODLAND 3
6.1 Wildlife Corridors 4
6.2 California Fish and Game Code § 3503, 3503.5, 3511, and 3513 4
6.2.1 APPLICABILITY TO THE PROPOSED PROJECT 4
6.3 City of Pinole Tree Ordinance 5
7. CITY OF PINOLE GENERAL PLAN 6
7.1 Natural Resources and Open Space (OS) 6
7.1.1 POLICY OS.1.1: HABITAT PRESERVATION. 6
7.1.2 POLICY OS.1.3: HILLSIDES, RIDGELINES, AND VIEW CORRIDORS. 7
7.1.3 POLICY OS.1.4: PROTECT AND MITIGATE WETLANDS. 7
7.1.4 POLICY OS.1.7: TRANSITIONAL ZONES. 8
7.1.5 POLICY OS.2.1: PROTECTION OF NATIVE VEGETATION. 8
7.1.6 POLICY OS.2.2: INVASIVE SPECIES. 8
7.1.7 POLICY OS.2.3: INVASIVE SPECIES. 9
7.1.8 POLICY OS.2.4: RIPARIAN AREAS AND CREEK SETBACKS. 9
7.1.9 POLICY OS.2.5: RIPARIAN HABITAT RESTORATION. 9
7.1.10 POLICY OS.2.6: RIPARIAN MITIGATION. 9
7.1.11 POLICY OS.2.8: MAINTAIN AND IMPROVE WILDLIFE MOVEMENT CORRIDORS. 10
7.1.12 POLICY OS.3.5: BUFFERS FOR SENSITIVE RESOURCES. 10
7.1.13 POLICY OS.3.7: PRESERVE NATURAL FEATURES. 10
7.1.14 POLICY OS.3.8: PROTECT LISTED AND NON-LISTED SPECIAL-STATUS SPECIES. 11
7.1.15 POLICY OS.3.9: BIOLOGICAL RESOURCE EVALUATION. 11
7.1.16 POLICY OS.3.10: MITIGATION FOR SPECIAL-STATUS SPECIES. 11
7.1.17 POLICY OS.8.6: WATER FOR RIPARIAN COMMUNITIES. 12
7.1.18 POLICY OS.8.8: PROTECT CREEKS AND SAN PABLO BAY. 12
7.2 Sustainability (SE) 14
7.2.1 POLICY SE.9.1: 14
7.2.2 POLICY SE.9.3: 15
7.2.3 POLICY SE.9.5: 15
7.3 Land Use (LU) 16
7.3.1 POLICY LU.5.2: 16
7.4 Community Character (CC) 16
7.4.1 POLICY CC.2.2: 16
8. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) REGULATIONS 17
8.1.1 APPLICABILITY TO THE PROPOSED PROJECT 17
9. RECOMMENDED CONDITIONS OF PROJECT APPROVAL 18
9.1 Offsite Riparian Drainage 18
9.2 Nesting Bird Survey 19
9.3 Landscape Recommendations 19

10. LITERATURE CITED 21

FIGURES
(At Back of Report)

Figure 1. Regional Map of the Pinole Shores Project Site.

Figure 2. Location Map of the Pinole Shores Project Site.

Figure 3. Aerial Photograph of the Pinole Shores Project Site.

TABLES
(At Back of Report)

Table 1. Plant Species Observed on the Pinole Shores Project Site.

Table 2. Wildlife Species Observed on the Pinole Shores Project Site.

ATTACHMENTS
(At Back of Report)

Attachment A. 830 San Pablo Ave Project Site Plan, created by Herdman Architecture and Design, dated November 23, 2021.

1. INTRODUCTION

Monk & Associates, Inc. (M&A) has completed a biological resources analysis of the Pinole Shores Project Site located in Pinole, California (Figures 1-3) (the project site). The purpose of M&A's biological resources analysis is to determine if sensitive biological resources could be present on or within a zone of influence of the project site and if development of this project site could impact sensitive or significant biological resources.

Biological resources include common plant and animal species, and special-status plants and animals as designated by the U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), National Marine Fisheries Service (NMFS), and other resource organizations including the California Native Plant Society. Biological resources also include waters of the United States and State, as regulated by the U.S. Army Corps of Engineers (Corps), California Regional Water Quality Control Board (RWQCB), and CDFW.

2. FINDINGS

The Pinole Shores project site does not provide habitat for any special-status wildlife or plant species. Additionally, there are no wetlands or other waters of the U.S./State on the project site. There is a drainage off-site to the east in a protected tree grove, which is indicated on Figure 10.4 of the City of Pinole General Plan. Policy OS 1.3 of the General Plan which states "Retain and protect sensitive hillside and ridgeline habitat, tree groves, and view corridors as shown on Figure 10.4" pertains to this grove. This grove (which is "riparian habitat") will remain untouched and preserved, as the eastern edge of the proposed development project will not impact or abut this riparian area but will be set back far enough to prevent impacts to the trees and the drainage. Proper Best Management Practices (BMPs) will need to be in place on the project site during site grading and construction to ensure that sediment does not enter the drainage. This would be a standard requirement of the "construction general permit" which must be acquired for this project since project disturbance will be greater than one acre of land.

Under the current development proposal, there are no trees slated for removal. If this changes in the future, any plans to alter or remove any of the protected trees located on the proposed project site will need to be indicated in the site development plan submitted to the City of Pinole. Additionally, trees approved for removal may need to be replaced by a tree of equal value, a fee may be required by the City, or any other condition brought forth by the Planning Commission that is determined appropriate for the tree removal request as specified in the City's tree ordinance.

Lastly, as the existing trees along the project site perimeter provide nesting habitat for birds, nesting bird surveys are recommended prior to the start of construction activity associated with the project, including but not limited to tree removal, site mobilization, and grading, if this work would take place during the nesting season (February 1 through August 31). These measures are further detailed in this report.

3. PROPERTY LOCATION AND SETTING

The approximately 7.37-acre project site is located at 830-848 San Pablo Avenue in the City of Pinole, California (Assessor's Parcel Numbers (APN) 402-230-015, -016, -017, -018, and -020). The site is located on the north side of San Pablo Avenue. The Burlington Northern Santa Fe (BNSF) rail line bounds the northern end of the project site, with the Bay Trail, Union Pacific (UP) rail line and San Pablo Bay lying north of the BNSF rail line. To the east of the project site is a drainage supporting a wide and dense riparian grove. Industrial properties reside to the west. The western portion of the project site is a former auto wrecking yard that was previously developed with a commercial building and a detached single-family residence which have since been demolished. Currently, the majority of the site is an old fill pad that at one point had been hydroseeded. Most of the site is covered with ruderal herbaceous vegetation and there is mixed oak woodland along the eastern and northern boundaries of the site, as shown on Figure 3 and as further described below.

4. PROPOSED PROJECT

The proposed project includes two tilt up buildings totaling 117,943 square feet of warehouse and 9 dock doors and parking spaces for semi-trucks (Attachment A). Within these buildings would be approximately 10,000 square feet of office space. Parking spots and a fire lane could encompass the project site on the east, north and west sides creating a semi-circle. More parking spaces are proposed along the southern end of the project site. Other proposed site improvements include landscaping and bioretention areas.

5. ANALYSIS METHODS

M&A biologists Ms. Sarah Lynch and Ms. Sarah McNamara visited the project site on September 13, 2022 for a field reconnaissance. At that time, M&A biologists walked the entire site noting any biological resources present, including listing all wildlife and plant species observed. In addition to conducting a survey for different significant and sensitive biological resources, M&A conducted literature research to determine what significant and sensitive resources have been recorded in the area. This report details M&A's background research and reconnaissance survey findings.

6. RESULTS OF RESEARCH AND PROJECT SITE ANALYSES

6.1 Topography and Hydrology

The project site mainly consists of infill that has been built up to the existing road and offsite parking lot to the south at approximately 70-75 feet above sea level. The site gently slopes down to the east towards the offsite drainage and to the north towards the rail line to approximately 55 feet above sea level. The offsite seasonal drainage swale or gully with more steeply-sloping sides runs from southwest to northeast east of the project site. There are no other hydrologic conditions throughout the project site as it has been highly disturbed.

6.2 Plant Communities and Associated Wildlife Habitats

After visiting the project site and assessing the habitats, it was determined that there is no habitat on the project site suitable for state or federally-listed, or special-status, plants or wildlife. A complete list of plant species observed on the project site is presented in Table 1. Nomenclature used for plant names follows *The Jepson Manual* Second Edition (Baldwin 2012) and changes

made to this manual as published on the Jepson Interchange Project website (https://ucjeps.berkeley.edu/interchange/index.html). Table 2 is a list of wildlife species observed on the project site. Nomenclature for wildlife follows the CDFW's *Complete List of Amphibian, Reptile, Birds, and Mammal Species in California* (2016) and any changes made to species nomenclature as published in scientific journals since the publication of the CDFW's list.

Past land use has disturbed the project site, leaving a ruderal (weedy) herbaceous plant community dominated by non-native vegetation covering 95 percent of the site. There is also a small strip of mixed oak woodland located along the project site's northern edge along the railroad tracks. These two plant communities are discussed below.

6.2.1 Ruderal Herbaceous

Ruderal herbaceous vegetation comprises the majority of the project site. This habitat is dominated by non-native species such as slender oat (*Avena barbata*), Italian rye grass (*Festuca perennis*), Bermuda grass (*Cynodon dactylon*), Harding grass (*Phalaris aquatica*), bindweed (*Convolvulus arvensis*), bristly oxtongue (*Helminthotheca echioides*) and fennel (*Foeniculum vulgare*). Subdominants included dogtail grass (*Cynosurus echinatus*), vetch (*Vicia* sp.), prickly lettuce (*Lactuca serriola*), curly dock (*Rumex crispus*), ripgut brome (*Bromus diandrus*) and foxtail barley (*Hordeum murinum* ssp. *leporinum*). Native herbaceous species present on the project site includes blue wildrye (*Elymus glaucus*) and arroyo lupine (*Lupinus succulentus*). Some shrubs are also present in this habitat: along the western boundary there is non-native Himalayan blackberry (*Rubus armeniacus*) and native coyote brush (*Baccharis pilularis*), as well as one or two Peruvian pepper trees (*Schinus molle*). Along the eastern project site edge there is also scattered coyote brush.

Ruderal habitats typically provide suitable environments for common animals that are adapted to living in association with humans. Common wildlife species associated with ruderal communities and observed on the project site, or their sign, includes raccoon (*Procyon lotor*), Botta's pocket gopher (*Thomomys bottae*), coyote (*Canis latrans*), House Finch (*Haemorhous mexicanus*), California Scrub-Jay (*Aphelocoma californica*), Red-tailed Hawk (*Buteo jamaicensis*), Northern Mockingbird (*Mimus polyglottos*) and Wild Turkey (*Meleagris gallopavo*).

6.2.2 Mixed Oak Woodland

Mixed oak woodland is located along the northern project site border along the railroad tracks. The dominant tree is coast live oak (*Quercus agrifolia*). Other species present are arroyo willow (*Salix lasiolepis*), Christmas berry (*Heteromeles arbutifolia*), cherry plum (*Prunus cerasifera*), Himalayan blackberry, California rose (*Rosa californica*), poison hemlock (*Conium maculatum*) and poison oak (*Toxicodendron diversilobum*).

Mixed oak woodlands are known to provide habitat for a variety of wildlife species. Insectivorous bird species such as American Robin (*Turdus migratorius*), California Scrub-Jay, Nuttall's Woodpecker (*Dryobates nuttallii*), Bewick's Wren (*Thryomanes bewickii*) and Oak Titmouse (*Parus inornatus*) thrive in oak woodlands on various insects and other invertebrates that live on oak leaves, burrow in oak bark, and that collect in the leaf litter and rotting logs. The Himalayan blackberry bushes provide cover for medium-sized mammals such as black-trailed jackrabbit (*Lepus californicus*). All of these species listed above were observed or heard on the

project site. Other mammal species expected to occur in the project site's small oak woodland habitat includes Columbian black-tailed deer (*Odocoileus hemionus columbianus*), Virginia opossum (*Didelphis virginiana*), striped skunk (*Mephitis mephitis*) and deer mouse (*Peromyscus maniculatus*).

6.1 Wildlife Corridors

Wildlife corridors are linear and/or regional habitats that provide connectivity to other natural vegetation communities within a landscape fractured by urbanization and other development. Wildlife corridors have several functions: 1) they provide avenues along as which wide-ranging animals can travel, migrate, and breed, allowing genetic interchange to occur; 2) populations can move in response to environmental changes and natural disasters; and 3) individuals can recolonize habitats from which populations have been locally extirpated (Beier and Loe 1992). All three of these functions can be met if both regional and local wildlife corridors are accessible to wildlife. Regional wildlife corridors provide foraging, breeding, and retreat areas for migrating, dispersing, immigrating, and emigrating wildlife populations. Local wildlife corridors also provide access routes to food, cover, and water resources within restricted habitats.

The proposed project is located in a heavily developed region of the City of Pinole on the northernmost boundary of the City. San Pablo Avenue, a major road, and a railroad border the project site. The project is proposing to build in an area that already has a fill pad and was previously developed. Thus, development of this project site should have minimal impacts on wildlife habitat and there should be no loss of area that functions as a wildlife corridor.

6.2 California Fish and Game Code § 3503, 3503.5, 3511, and 3513

California Fish and Game Code §3503, 3503.5, 3511, and 3513 prohibit the "take, possession, or destruction of birds, their nests or eggs." Disturbance that causes nest abandonment and/or loss of reproductive effort (killing or abandonment of eggs or young) is considered "take." All raptors (that is, hawks, eagles, owls) their active nests, eggs, and young are protected under California Fish and Game Code (§3503.5). Additionally, "fully protected" birds are protected under California Fish and Game Code (§3511). "Fully protected" birds may not be taken or possessed (that is, kept in captivity) at any time.

6.2.1 Applicability to the Proposed Project

No special-status birds were noted on the project site. However, the project site provides suitable tree-nesting and ground-nesting habitat for raptors and songbirds in the area. Additionally, no birds nesting were noted on the project site and no old nests were noted anywhere on the project site, in any tree or on the ground. However, M&A's site survey was conducted outside of the nesting bird season (which is February 1-August 31) and birds can change nesting locations from year to year. To ensure that nesting birds are not impacted by construction activity, a preconstruction nesting survey is recommended for nesting birds on the project site and within a zone of disturbance if work would take place between the dates of February 1 and August 31 to ensure that there is no direct take of nesting birds, their eggs or young, during development of the project site. Any active nests that are found during preconstruction surveys would have to be avoided by the proposed project. Suitable non-disturbance buffers would be established around any nest sites, with the size of the buffer determined by a qualified biologist. Once the nesting cycle is complete, a qualified biologist will confirm that the young have successfully fledged.

Once the nesting cycle is confirmed to be complete, there would be no further impediments to development.

6.3 City of Pinole Tree Ordinance

The Pinole City Code, Chapter 17.96, ensures that certain species of trees and/or trees of a significant size are treated as important features in the city, and to discourage healthy protected trees from being cut down, removed or destroyed, without a permit.

The definition of protected trees is defined in Chapter 17.98 (Glossary of Terms) of the City Code. Protected tree or trees are defined as:

1. Select trees with a single perennial stem of twelve (12) inches or larger in circumference measured four (4) and a half feet above the natural grade for the following species:
    a. Coast Live Oak
    b. Madrone
    c. Buckeye
    d. Black Walnut
    e. Redwood
    f. Big Leafed Maple
    g. Redbud
    h. California Bay
    i. Toyon
2. Any other tree with a single perennial stem greater than fifty-six (56) inches or larger in circumference measured four and a half (4 ½) feet above the natural grade
    a. Tree species specifically excluded from protection regardless of size or health include any other species of nut or fruit trees, palm trees or eucalyptus trees.
    b. Also any tree species not listed above, that is smaller than fifty-six (56) inches in circumferences measured four and a half feet (4 ½) above the natural grade is excluded from protection
3. For convenience in the field, circumferences are considered equivalent to diameter as follows:

Diameter	Circumference
4 inches	12 inches
9 inches	28 inches
12 inches	37 inches
18 inches	56 inches

<u>APPLICABILITY TO THE PROPOSED PROJECT</u>

There are two protected tree species on the project site: coast live oak and toyon (aka Christmas berry). As currently proposed, there are no trees slated for removal to develop the project. If this changes in the future, any plans to alter or remove any of the protected trees located on the proposed project site will need to be indicated in the development proposal submitted to the City of Pinole. Additionally, trees approved for removal may need to be replaced by a tree of equal value, a fee may be required by the City, or any other condition brought forth by the Planning Commission that is determined appropriate for the tree removal request.

7. CITY OF PINOLE GENERAL PLAN

The City of Pinole General Plan serves as the document that guides future development citywide and expresses the community's development goals and public policies relative to land uses. The update of the General Plan was adopted in 2010. The project site has a General Plan Land Use Designation of Service Sub-Area and Zoning Designations of Office Industrial Mixed Use (OIMU) and Planned Development (PD). It is part of the Bayside Neighborhood, and under the Three Corridors Specific Plan, the site is located in the Service Sub Area on the San Pablo Avenue Corridor.

7.1 Natural Resources and Open Space (OS)

Goal OS.1: Ensure the preservation of natural resources by determining appropriate land use and compatibility with natural resources and open space.

7.1.1 POLICY OS.1.1: HABITAT PRESERVATION.

The City shall protect and preserve open space and remaining natural areas. Preserve oak/woodland, riparian vegetation, creeks, fisheries, saltwater and freshwater marsh, native bunchgrass grasslands, wildlife corridors and sensitive nesting sites. Loss of these habitats should be fully offset through creation of habitat of equal value. Compensation rate for habitat re-creation shall be determined by a qualified biologist in consultation with resource agencies.

7.1.1.1 Action OS 1.1.4:

Require a minimum 100-foot setback from the top of creek banks (Pinole Creek, Catty Creek, Duncan Canyon/Cole Creek, Shady Draw, Faria Creek, and Roble Creek) for development and associated above-ground infrastructure. Analyze the adequacy of a 100-foot setback as part of project and environmental review, and require a larger setback where necessary to mitigate project impacts.

Applicability: There are no creeks on the project site, and the project site is not adjacent to or near any of the listed creeks.

7.1.1.2 Action OS 1.1.5:

The City shall require biological resources evaluation for discretionary projects in areas identified to contain or possibly contain plant and/or wildlife species designated by state and federal agencies as rare, threatened, or endangered. This evaluation shall be conducted prior to the authorization of any ground disturbance. For proposed projects in which plant and/or wildlife species designated by state and federal agencies are listed as rare, threatened, or endangered are found, the City shall require feasible mitigation of impacts to those species that ensure that the project does not contribute to the decline of the affected species such that their decline would impact the viability of the species. Such mitigation measures may include providing and permanently maintaining similar quality and quantity of replacement habitat, enhancing existing habitat areas, or paying fees towards to an approved habitat mitigation bank. Replacement habitat may occur either on-site or at approved off-site locations. Feasible mitigation shall be determined by the City after the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (CDFG) are provided an opportunity to comment. Mitigation shall emphasize a multi-

species approach to the maximum extent feasible. This may include development or participation in a habitat conservation plan.

Applicability: This document serves as the biological resources analysis for the project site. Special-status plant and wildlife species are not expected to occur on the project site and no impacts are expected, therefore, no mitigation measures are necessary.

7.1.2 POLICY OS.1.3: HILLSIDES, RIDGELINES, AND VIEW CORRIDORS.

Retain and protect sensitive hillside and ridgeline habitat, tree groves, and view corridors as shown on Figure 10.4 (Pinole Visual Resources).

7.1.2.1 Action OS 1.3.2:

Ensure that new development protects visually prominent existing physical features within Pinole.

Applicability: The Pinole Shores project site is located adjacent to a protected tree grove shown on Figure 10.4 in the General Plan. This grove would not be impacted, as the project site is set back approximately 50 feet. Proper BMPs would be in place to ensure that construction activities remain outside of the buffer area.

7.1.3 POLICY OS.1.4: PROTECT AND MITIGATE WETLANDS.

All projects shall avoid impacts where feasible. If not feasible, projects shall mitigate impacts to wetlands consistent with Federal and State Policies to ensure there is no net loss in a regional context. Protect wetlands through careful environmental review of proposed development applications. The City shall recognize the U.S. Army Corps of Engineers as the designated permitting agency that regulates wetlands.

7.1.3.1 Action OS 1.4.3:

Continue to coordinate with Federal and State Agencies to ensure that necessary permits are issued for work in or near to identified wetlands.

Applicability: There are no wetlands on the project site, therefore, coordination with Federal and State Agencies regarding wetlands is not necessary.

7.1.3.2 Action OS 1.4.4:

Continue to employ mitigation measures to reduce potential wetland impacts to a less than significant level.

Applicability: There are no wetlands on the project site and development of the proposed project will not cause any impacts to wetlands.

7.1.3.3 Action OS 1.4.5:

Continue to incorporate passive surface runoff management into project design in order to protect water quality and preserve natural drainage functions.

Applicability: Vegetated flow-thru planters and landscaped areas are incorporated into the project site plan to protect water quality (see Attachment A).

7.1.4 POLICY OS.1.7: TRANSITIONAL ZONES.

The City will condition or modify development approvals to ensure that natural transitions along the edges of different habitat types are preserved and enhanced because of their importance to wildlife. Maintain proper buffers between sensitive habitat and conflicting land uses. Habitat types of particular concern are those along the margins of riparian corridors, marshlands, and oak woodlands. Preserves and areas with species conservation status must have compatible surrounding land uses.

7.1.4.1 Action OS 1.7.1:

Establish development standards that protect upland areas surrounding riparian habitat, and buffer areas adjacent to oak woodlands and other resources. These policies may include: a. creek setbacks; b. ridgeline separation; and c. tree protection measures.

Applicability: There is riparian woodland associated with the drainage to the east of the project site. The proposed project will be set back at least 50 feet from the riparian woodland with an average setback of 65 feet. The woodland will not be impacted by development of the proposed project.

Goal OS.2: Sustain, protect, and enhance natural communities, including special-status plants, species status wildlife, and comply with all applicable Federal, State and local regulatory and trustee agencies.

7.1.5 POLICY OS.2.1: PROTECTION OF NATIVE VEGETATION.

Protect, preserve and create the conditions that will promote the preservation of significant trees and other vegetation, particularly native to California and the region.

7.1.5.1 Action OS 2.1.2:

The City will continue to implement tree protection programs to preserve significant trees or groves of trees as part of the City's heritage.

Applicability: The project site is set back approximately 50 feet from the protected grove to the east. No trees are proposed for removal. Proper BMPs will be utilized during construction to ensure there are no impacts to the grove.

7.1.6 POLICY OS.2.2: INVASIVE SPECIES.

The City shall attempt to prevent further expansion of invasive species and protect against noxious weeds through public education and development review of projects that occur adjacent to natural areas. These efforts shall include requiring the planting of native vegetation that supports native terrestrial and aquatic animal species.

Applicability: The landscaped areas on the project site will be maintained to ensure that there will be no invasive species or noxious weeds.

7.1.7 POLICY OS.2.3: INVASIVE SPECIES.

Consider adopting guidelines and standards to help protect against the continued spread of invasive species; seek out opportunities to replace invasive, non-native vegetation with native vegetation on public property; and support efforts that enhance habitat by replacing invasive, nonnative vegetation with native California plant species over time within the City.

7.1.7.1 Action OS 2.3.2:

New development should incorporate native vegetation into landscape plans and discourage the use of invasive, non-native plant species.

Applicability: The landscaped areas on the project site will be maintained to ensure that there will be no invasive species or noxious weeds.

7.1.8 POLICY OS.2.4: RIPARIAN AREAS AND CREEK SETBACKS.

Lands adjacent to riparian areas shall be protected as public or private permanent open space through dedication or easements. Riparian vegetation outside the setback should also be protected. Riparian areas within the City include but are not limited to: (1) Pinole Creek (2) Catty Creek (3) Duncan Canyon/Cole Creek; (4) Shady Draw; (5) Faria Creek and (6) Roble Creek and shall be protected from further degradation and enhanced during review of adjacent proposed development.

7.1.8.1 Action OS 2.4.2:

Establish minimum separation between creeks and adjoining development.

Applicability: The project site is separated from the offsite drainage and tree grove by approximately 50 feet; the proposed development will provide an adequate buffer from the offsite riparian vegetation (source: Attachment A. 830 San Pablo Ave Project Site Plan).

7.1.9 POLICY OS.2.5: RIPARIAN HABITAT RESTORATION.

Require restoration or replanting of riparian vegetation to the extent feasible, projects shall mitigate impacts to wetlands consistent with Federal and State policies to ensure that there is no lest loss in a regional context.

Applicability: The riparian vegetation surrounding the drainage east of the project site will remain protected and untouched by development of the project. Additionally, no wetlands are present on or adjacent to the project site. No impacts are expected; therefore, no mitigation will be necessary.

7.1.10 POLICY OS.2.6: RIPARIAN MITIGATION.

Impacts to riparian habitats shall be mitigated at a no net loss of existing function and value based on field survey and analysis of the riparian habitat to be impacted.

Applicability: The riparian vegetation growing along the drainage east of the project site will remain protected and untouched by development of the project. The project site is set back approximately 50 feet from the riparian canopy.

7.1.11 POLICY OS.2.8: MAINTAIN AND IMPROVE WILDLIFE MOVEMENT CORRIDORS.

Continuous wildlife habitat, including corridors free of human disruption, shall be preserved and where necessary created by interconnecting open spaces, wildlife habitat and corridors.

> **Applicability:** The proposed project is located in a heavily developed region of the City of Pinole on the northernmost boundary of the City. San Pablo Avenue, a major road, and a railroad surround the project site. The project is proposing to build in an area that is already a fill pad and was previously developed. Thus, development of this project site should have minimal impacts on wildlife habitat and there should be no loss of area that functions as a wildlife corridor.

Goal OS.3: Protect, preserve, and restore open spaces.

7.1.12 POLICY OS.3.5: BUFFERS FOR SENSITIVE RESOURCES.

When activities close to open space resources within or outside the urban area could harm these resources, the City will require buffers between the activities and the resources. The City will actively encourage individuals, organizations and other agencies to follow this policy. Buffers associated with new development shall be on the site of the development, rather than on neighboring land containing the open space resource. Buffers provide distance in the form of setbacks, within which certain features or activities are not allowed or conditionally allowed. Buffers shall also use techniques such as planting and wildlife-compatible fencing. Buffers shall be adequate for the most sensitive species in the protected area, as determined by a qualified professional and shall complement the protected area's habitat values. Buffers shall be required in the following situations:

- Between urban development – including parks and public facilities – and natural habitat such as creeks, wetlands, rocky outcrops and grassland features to address noise, lighting, storm runoff, spread of invasive, nonnative species, and access by people and pets.
- Between agricultural operations and natural habitat, to address noise, chemical use, sediment transport, and livestock access.

7.1.12.1 Action OS 3.5.1:

Consider establishing creek setbacks in order to ensure adequate separation between development and riparian resources, and to preserve opportunities for public access to, and along creek corridors.

> **Applicability:** There are no creeks present on or adjacent to the project site. Development of this project will not impact creeks or riparian habitat. The project is proposed to be set back approximately 50 feet from the riparian canopy to the east.

7.1.13 POLICY OS.3.7: PRESERVE NATURAL FEATURES.

Retain sensitive habitat areas in their natural state, where possible, and protect from inappropriate development and landscaping. New development shall incorporate natural features present on the site such as a creek, steep topography or natural vegetation, where feasible, unless appropriate mitigation measures can be incorporated.

7.1.13.1 Action OS 3.7.1:

Continue to notify and consult early with the California Department of Fish and Game and the Army Corps of Engineers, BCDC and any other trustee agencies when development projects are proposed in locations where there may be impacts to fish and wildlife and their habitats.

Applicability: There are no creeks, drainages or wetlands on the project site. There is no suitable habitat on the project site for special-status plants or wildlife. No impacts to fish and special-status wildlife or their habitats are expected from development of the project. Nesting birds are the only biological concern. Preconstruction nesting bird surveys will ensure that no impacts will occur to nesting birds. Due to the absence of sensitive or significant habitats onsite and an absence of waters including wetlands, consultation with the California Department of Fish and Wildlife (i.e., aka Fish and Game) or the U.S. Army Corps of Engineers, or BCDC is not necessary.

7.1.13.2 Action OS 3.7.2:

Development projects shall be modified to avoid impacts on sensitive resources, or impacts shall be mitigated by providing on-site or (as a lowest priority) off-site replacement.

Applicability: The project will not impact sensitive resources. No mitigation for impacts to sensitive or significant resources is necessary.

7.1.14 POLICY OS.3.8: PROTECT LISTED AND NON-LISTED SPECIAL-STATUS SPECIES.

Limit development in areas which support listed and non-listed special-status species. If development of these areas must occur, any loss of habitat should be fully compensated on-site. If off-mitigation is necessary, it should occur within the Pinole planning area whenever possible and must be accompanied by plans and a monitoring program prepared by a qualified biologist.

Applicability: There is no suitable habitat on the project site for special-status plants or wildlife.

7.1.15 POLICY OS.3.9: BIOLOGICAL RESOURCE EVALUATION.

The City shall require a biological resources evaluation for private and public development projects in areas identified to contain or possibly contain listed plant and/or wildlife species based upon the City's biological resource mapping provided in the General Plan EIR or other technical materials. This evaluation shall be conducted prior to the authorization of any ground disturbance.

Applicability: This document serves as the biological resources evaluation for the project site. Special-status plant and wildlife species are not expected to occur on the project site as there is no suitable habitat present. No impacts are expected.

7.1.16 POLICY OS.3.10: MITIGATION FOR SPECIAL-STATUS SPECIES.

For those areas in which special-status species are found or are likely to occur or where the presence of species can be reasonably inferred, the City shall require mitigation of impacts to

those species. Mitigation shall be designed by the City in coordination with the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (CDFG), and shall emphasize a multi-species approach to the maximum extent feasible. This may include development or participation in a habitat conservation plan.

7.1.16.1 Action OS 3.10.1:

Protect Biodiversity. Continue to protect areas known to support a high degree of biological diversity and that may contain species known to be rare or protected under the State or Federal Endangered Species Act. These include the City's tidal wetlands, freshwater wetlands and riparian forest.

Applicability: There is no habitat on the project site that supports a high degree of biological diversity, nor any habitat that may support special-status plants or wildlife. The woodlands to the east of the project site will remain untouched and protected during development.

7.1.17 POLICY OS.8.6: WATER FOR RIPARIAN COMMUNITIES.

Protect water sources for water-dependent species and the health of riparian communities.

7.1.17.1 Action OS 8.6.1:

Continue on-going riparian protection and enhancement efforts as expressed in the Pinole Creek Watershed Vision Plan, and implement existing surface run-off protection programs.

Applicability: The NPDES C.3 requirements went into effect for any project (public or private) that is "deemed complete" by the City or County (Lead Agency) on or after February 15, 2005, and which will result in the creation or replacement (other than normal maintenance) of at least 10,000 square feet of impervious surface area. Provision C.3 requires the onsite treatment of stormwater prior to its discharge into downstream receiving waters.

The proposed project will follow the County's C3 guidelines and will ensure that all surface runoff is treated and directed into the City of Pinole storm drain system; there will be no impacts to offsite waterways. It is the applicant's responsibility to ensure that the project civil engineer prepares all required Stormwater Planning documents for submittal to the City of Pinole to comply with permit requirements.

7.1.18 POLICY OS.8.8: PROTECT CREEKS AND SAN PABLO BAY.

Protect creeks and San Pablo Bay within the Planning Area by implementing stormwater pollution-prevention activities.

7.1.18.1 Action OS 8.8.2:

Implement a comprehensive municipal stormwater pollution-prevention program in compliance with requirements of the California Regional Water Quality Control Board's stormwater National Pollutant Discharge Elimination System (NPDES) permit.

Applicability: The proposed project will follow NPDES C3 guidelines and will ensure that all surface runoff is treated and directed into the City of Pinole storm drain system, and there will be no impacts to offsite waterways. It is the applicant's responsibility to ensure that the project civil engineer prepares all required Stormwater Planning documents for submittal to the City of Pinole to comply with permit requirements.

7.1.18.2 Action OS 8.8.3:

Avoid excessive grading and disturbance of vegetation and soils, retain native vegetation and significant trees, and maintain natural drainage patterns by requiring proposed development to conform to natural land forms, where feasible.

Applicability: A majority of the project site is comprised of non-native ruderal vegetation and there are no significant trees proposed for removal. Development of the project will not cause create excessive disturbance of vegetation and soils, nor will it disturb natural drainage patterns.

7.1.18.3 Action OS 8.8.5:

Reduce directly connected impervious area by limiting the overall coverage of paving and roofs, directing runoff from impervious areas to adjacent pervious areas, and selecting permeable pavements and surface treatments to enhance water quality.

Applicability: The proposed project has strategically placed landscaping areas and vegetated flow-thru planter bioswales to catch runoff from the impervious areas.

7.1.18.4 Action OS 8.8.6:

Require new development projects to incorporate facilities and measures to treat stormwater before discharge from the site. The facilities shall be included in required Stormwater Control Plans and sized to meet NPDES permit requirements. Projects shall protect water quality by incorporating Low Impact Development (LID) design to detain, treat, and infiltrate runoff by minimizing impervious area; such as use of pervious pavements and green roofs, disperse runoff to landscaped areas; and/or route runoff to rain gardens, cisterns, swales, and other small-scale facilities distributed throughout the project area.

Applicability: The proposed project will follow NPDES Provision C3 guidelines and will ensure that all surface runoff is treated and directed into the City of Pinole storm drain system, and there will be no impacts to offsite waterways. It is the applicant's responsibility to ensure that the project civil engineer prepares all required Stormwater Planning documents for submittal to the City of Pinole to comply with permit requirements. A Storm Water Low Impact Development (SW LID) plan will be completed prior to development on the project site.

7.1.18.5 Action OS 8.8.7:

Support and participate in regional efforts to protect water quality and enhance recreation opportunities by preserving and restoring riparian and wetland habitat within the Planning Area and the Pinole Creek Watershed.

Applicability: There are no riparian habitat or wetlands on the project site. The offsite drainage and its riparian habitat will be buffered by the project site by approximately 50 feet and no impacts are expected.

7.2 Sustainability (SE)

Goal SE.9: Protect, preserve and enhance the natural resources of Pinole.

7.2.1 POLICY SE.9.1:

Encourage policies to prudently manage water resources to sustain plant and animal life, support urban activities and protect public health and safety.

7.2.1.1 Action SE 9.1.4:

Continue to comply with state and county C.3 requirements of limiting impervious surface area and reducing stormwater runoff and work to increase Low Impact Development throughout the City.

Applicability: The proposed project will follow NPDES Provision C3 guidelines and will ensure that all surface runoff is treated and directed into the City of Pinole storm drain system, and there will be no impacts to offsite waterways. It is the applicant's responsibility to ensure that the project civil engineer prepares all required Stormwater Planning documents for submittal to the City of Pinole to comply with permit requirements.

7.2.1.2 Action SE 9.1.7:

Continue to require new development applicants to incorporate post-construction stormwater treatment systems and best management practices on the site.

Applicability: The proposed project will follow Provision C3 guidelines and will ensure that all surface runoff is treated and directed into the City of Pinole storm drain system, and there will be no impacts to offsite waterways. The proposed project has incorporated landscaping areas and flow-thru planter bioswales to collect runoff post-construction.

7.2.1.3 Action SE 9.1.8:

Require that stormwater treatment measures use Low Impact Development systems such as vegetation to treat pollutants in stormwater runoff (e.g., through rain gardens, bioretention areas and living roof systems).

Applicability: A Storm Water Low Impact Development plan will be created prior to development of the project site, and the proposed project includes landscaping areas and flow-thru planter bioswales to collect runoff.

7.2.2 POLICY SE.9.3:

Protect environmentally sensitive habitats, conserve natural habitat lands and preserve habitat connectivity.

7.2.2.1 Action SE 9.3.2:

Require biological studies in conjunction with development proposals within or near natural habitat lands, including land designated as Rural in the General Plan Land use Map (Figure 5.5.).

Applicability: This report serves as the results of a biological resources analysis of the project site. The project site itself has been highly disturbed and there are no sensitive habitats or habitats that would support special-status plants or wildlife.

7.2.2.2 Action SE 9.3.3:

Avoid disturbance of sensitive biological resources in conjunction with new development, redevelopment, or other construction activities.

Applicability: M&A conducted a site visit and concluded that there is no sensitive habitat or other biological resource that would be impacted by the development of the proposed project.

7.2.3 POLICY SE.9.5:

Establish new policies that continue to encourage the maintenance and growth of Pinole's urban forest.

7.2.3.1 Action SE 9.5.1:

Minimize removal of mature, healthy trees in conjunction with new development, as required by the tree protection ordinance.

Applicability: As currently proposed, there are no trees slated for removal to construct the project. If these plans change in the future, a tree removal permit would be applied for through the City of Pinole if the removal of any species and size of tree listed in Section 6.3 of this document (The City of Pinole Tree Ordinance).

7.2.3.2 Action SE 9.5.4:

Promote the planting of shade trees and establish shade tree guidelines and specification that include recommendations for tree planting based on land use, recommendations for tree types based on size, branching patterns, whether deciduous or evergreen, whether

roots are invasive, etc. Include recommendations for placement including distance from structures, density of planting, and orientation relative to structures and the sun.

Applicability: The project will implement a landscape plan that includes shade trees and will plan the size and types of shade trees based on the site plan.

7.3 Land Use (LU)

Goal LU.5: Assure any development near environmentally sensitive sites protects important natural resources and recognizes hazard constraints.

7.3.1 Policy LU.5.2:

Proposed development shall adhere to the following policies:

a) Address site development constraints and resources, including archaeological sites, access, riparian protection, tree protection, steep slopes, ridgelines, wetlands, potential geologic hazards, and protection of views and open space resources.

Applicability: This report serves to provide information about biological resources, tree protection and wetlands in relation to the proposed project. After conducting background research and a site visit, M&A concluded that there are no sensitive communities or potential for special-status plant and wildlife on the project site. Additionally, there are no trees that are proposed for removal to construct the proposed project.

c) Protect resources on the site, including the riparian corridors, visible knolls and heavily wooded areas.

Applicability: There are no riparian corridors, knolls or heavily wooded areas on the project site. The offsite woodland around the drainage will be setback approximately 50 feet from the edge of the project site and will remain protected.

d) Protect drainage channels, the steepest slopes and wildlife corridors (since they provide habitat and trail links), and locate development to minimize crossing drainage areas.

Applicability: There are no drainage channels, steep slopes or wildlife corridors on the project site. There is a drainage that supports riparian woodland offsite to the east of the project site that is approximately 50 feet from the proposed project.

7.4 Community Character (CC)

Goal CC.2: Emphasize and enhance the visual and physical connection between the city's natural environments and the community's quality of life.

7.4.1 Policy CC.2.2:

Preserve natural resources within the built environment, including trees, marshes, creeks and hillsides.

7.4.1.1 Action CC 2.2.2:

Require mitigation for removal of important trees that function as habitat for protected raptors and protected tree species in Pinole.

Applicability: No trees are proposed for removal to construct the proposed project and as such, no mitigation will be required.

8. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) REGULATIONS

A CEQA lead agency must determine if a proposed activity constitutes a project requiring further review pursuant to the CEQA. Pursuant to CEQA, a lead agency would have to determine if there could be significant adverse impacts to the environment from a proposed project. Typically, if within the city limits, the city would be the CEQA lead agency. If a discretionary permit (i.e., conditional use permit) would be required for a project (e.g. an occupancy permit must be issued), the lead agency typically must determine if there could be significant environmental impacts. This is usually accomplished by an "Initial Study." If there could be significant environmental impacts, the lead agency must determine an appropriate level of environmental review prior to approving and/or otherwise permitting the impacts. In some cases, there are "Categorical Exemptions" that apply to the proposed activity; thus the activity is exempt from CEQA. The Categorical Exemptions are provided in CEQA.

Section 15183 of CEQA is one such exemption, which allows proposed projects to avoid additional environmental review, as long as the proposed project is consistent with the development density established by the existing zone, community plan or general plan policies for which an EIR was certified.

Additionally, it is worth noting that Section 15380 of CEQA defines "endangered" species as those whose survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, disease, or other factors. "Rare" species are defined by CEQA as those who are in such low numbers that they could become endangered if their environment worsens; or the species is likely to become endangered within the foreseeable future throughout all or a significant portion of its range and may be considered "threatened" as that term is used in FESA. The CEQA Guidelines also state that a project will normally have a significant effect on the environment if it will "substantially affect a rare or endangered species of animal or plant or the habitat of the species." The significance of impacts to a species under CEQA, therefore, must be based on analyzing actual rarity and threat of extinction to that species despite its legal status or lack thereof.

8.1.1 Applicability to the Proposed Project

This report has been prepared as a Biology section that is suitable for incorporation by the CEQA lead agency (in this case the City of Pinole) into a CEQA review document such as a Mitigated Negative Declaration or an Environmental Impact Report. This document addresses potential impacts to species that would be defined as endangered or rare pursuant to Section 15280, as well as the requirements of the proposed project pursuant to Section 15183 of the CEQA.

An initial study, dated October 3, 2005, previously examined the existing project site and any potential impacts to plants and wildlife. No significant environmental impacts to biological resources were determined in that initial study, or during Jones & Stokes' June 17, 2006, bird survey report, or during Jones & Stokes' June 19, 2006, wildlife survey report. The project site has decreased in size since those previous studies, and M&A's September 2022 survey focused on a smaller area; however, M&A did not find any potential impacts to species that would be defined as endangered or rare pursuant to CEQA.

9. RECOMMENDED CONDITIONS OF PROJECT APPROVAL

The project site was previously developed and because it has been heavily disturbed, it does not provide much value in terms of biological resources. The most significant biological resources on or near the project site are the offsite drainage to the east which supports riparian woodland habitat. The riparian trees provide nesting, foraging, resting and stopover habitat for birds as well as provide mammals a movement corridor so that they can move unobtrusively through the area. In this section we provide recommendations to protect the significant biological resources near the project site and in the landscaping design to meet the policies of the City of Pinole's General Plan.

9.1 Offsite Riparian Drainage

To avoid impacts to the offsite drainage and riparian woodland that resides to the east of the project site, the proposed project has been designed so that all buildings are set back approximately 50-75 feet from the riparian canopy, with an average setback of 65 feet. Additionally, immediately prior to project grading and construction, appropriate Best Management Practices (BMPs) will be implemented to ensure no adverse impacts occur to this offsite drainage. Some examples of BMPs are installation of silt fencing and orange construction fencing along the property line to demarcate it and prevent equipment from encroaching into the offsite riparian area. Wildlife friendly hay wattles (that is, no monofilament netting) will also be included at the toe of any slope, as needed, to catch runoff and sediment before it leaves the site.

A water quality treatment plan for the pre- and post-developed project site must be prepared and implemented. Preconstruction requirements must be consistent with the requirements of the NPDES. That is, a Stormwater Pollution Prevention Plan (SWPPP) must be developed prior to the time that a site is graded. In addition, a post construction BMPs plan, or a Stormwater Low Impact Development Plan (SW LID) must be developed and incorporated into any site development plan.

To obtain coverage under the SWRCB administered Construction General Permit, the applicant (typically, through its civil engineer) must electronically file a number of permit-related compliance documents (Permit Registration Documents (PRDs), including a Notice of Intent (NOI), a risk assessment, site map, signed certification, SWPPP, Notice of Termination (NOT), NAL exceedance reports, and other site-specific PRDs that may be required. The PRDs must be prepared by a Qualified SWPPP Practitioner (QSP) or Qualified SWPPP Developer (QSD) and filed by a Legally Responsible Person (LRP) on the RWQCB's Stormwater Multi-Application Report Tracking System (SMARTS). (QSDs are typically civil engineers, professional hydrologists, engineering geologists, or landscape architects.) Once filed, these documents become immediately available to the public for review and comment. At a minimum, the SWPPP

shall identify BMPs for implementation during project construction that are in accordance with the applicable guidance and procedures contained in the California Stormwater Quality Association's *California Stormwater Best Management Practices Handbook* (2015).

9.2 Nesting Bird Survey

To avoid impacts to nesting birds, a nesting bird survey shall be conducted within 15 days of commencing with grading, construction work or tree removal if this work would commence between February 1st and August 31st. The nesting survey should include an examination of all bushes and trees onsite and within 200 feet of the project site (i.e., within a zone of influence of the project site). The zone of influence includes those areas outside the project site where nesting birds could be disturbed by earth- moving vibrations and/or other construction-related noise.

If birds are identified nesting on or within the zone of influence of the project site, prior to the commencement of construction that could impact the active nest(s), a qualified biologist shall establish a temporary protective nest buffer around the nest(s). The nest buffer should be staked with orange construction fencing. The buffer must be of sufficient size to protect the nesting site from construction-related disturbance and shall be established by a qualified ornithologist or biologist with extensive experience working with nesting birds on construction sites. Typically, adequate nesting buffers are 50 feet from the nest site or nest tree dripline for small birds such as passerines (songbirds) and up to 300 feet for sensitive nesting birds and several raptor species known to nest in the region of the project site such as Red-tailed Hawks.

No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed. At the end of the nesting cycle, as determined by a qualified biologist, temporary nesting buffers may be removed, and construction may commence in the established nesting buffers without further regard for the buffered nest site(s).

9.3 Landscape Recommendations

The City of Pinole General Plan policies and actions include information about landscaping for new developments. Specific policies include:

1. Policy O.S. 2.2: The City shall attempt to prevent further expansion of invasive species and protect against noxious weeds through public education and development review of projects that occur adjacent to natural areas. These efforts shall include requiring the planting of native vegetation that supports native terrestrial and aquatic animal species.

2. Policy O.S. 2.3: Consider adopting guidelines and standards to help protect against the continued spread of invasive species; seek out opportunities to replace invasive, non-native vegetation with native vegetation on public property; and support efforts that enhance habitat by replacing invasive, nonnative vegetation with native California plant species over time within the City.

3. Policy S.E. 9.5-Action S.E. 9.5.4: Promote the planting of shade trees and establish shade tree guidelines and specification that include recommendations for tree planting based on land use, recommendations for tree types based on size, branching patterns, whether deciduous or evergreen, whether roots are invasive, etc. Include recommendations for placement including distance from structures, density of planting, and orientation relative to structures and the sun.

Based on these policies and actions, M&A recommends a qualified landscape architect designs and implements native plant species and native shade trees into the site plan. Additionally, control and removal of invasive plant species that may establish on the project site post-construction is recommended.

10. LITERATURE CITED

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Monk & Associates
Environmental Consultants
1136 Saranap Avenue, Suite Q
Walnut Creek, California 94595
(925) 947-4867

Figure 1. Pinole Shores Project Site
Regional Map
830 San Pablo Avenue, Pinole, California

County: Contra Costa
Map Preparation Date: August 12, 2022

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Figure 2. Pinole Shores Project Site
Location Map
830 San Pablo Avenue, Pinole, California

38.007856 -122.307262
Section: 21; T2N R4W
7.5-Minute Mare Island quadrangle
Aerial Photograph Source: EDRI
Map Preparation Date: September 23, 2022

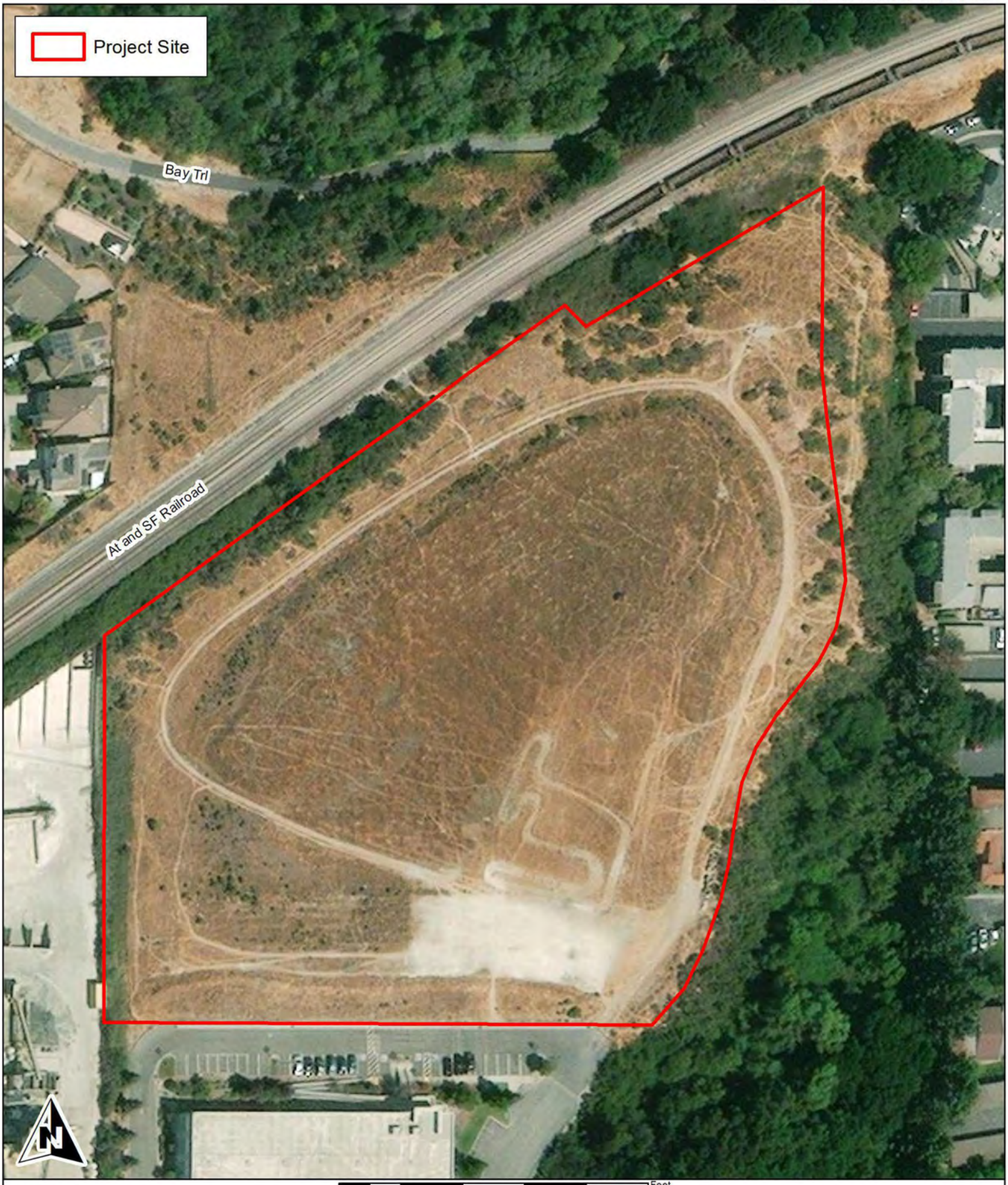

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Figure 3. Aerial Photograph of the
Pinole Shores Project Site
830 San Pablo Avenue, Pinole, California

Aerial Photograph Source: EDRI
Map Preparation Date: September 23, 2022

Table 1

Plant Species Observed on the Pinole Shores Project Site

Angiosperms - Dicots	
Anacardiaceae	
**Schinus molle*	Peruvian pepper tree
Toxicodendron diversilobum	Poison-oak
Apiaceae	
**Conium maculatum*	Poison hemlock
**Foeniculum vulgare*	Sweet fennel
Araliaceae	
**Hedera helix*	English ivy
Asteraceae	
Baccharis pilularis subsp. pilularis	Baccharis
**Dittrichia graveolens*	Stinkwort
**Helminthotheca echioides*	Bristly ox-tongue
**Lactuca serriola*	Prickly lettuce
**Sonchus oleraceus*	Common sow-thistle
Boraginaceae	
**Echium candicans*	Pride of Maderia
Brassicaceae	
**Brassica rapa*	Field mustard
**Hirschfeldia incana*	Short-podded mustard
**Lepidium latifolium*	Broadleaf pepperweed
**Raphanus sativus*	Wild radish
Convolvulaceae	
**Convolvulus arvensis*	Bindweed
Fabaceae	
**Acacia mearnsii*	Black wattle
**Cytisus scoparius*	Scotch broom
**Lotus corniculatus*	Birdfoot trefoil
Lupinus succulentus	Arroyo lupine
**Vicia sp.*	Vetch
Fagaceae	
Quercus agrifolia var. agrifolia	Coast live oak
Malvaceae	
**Malva parviflora*	Cheeseweed
Plantaginaceae	
**Plantago coronopus*	Cut-leaf plantain
Polygonaceae	
**Rumex crispus*	Curly dock
Rosaceae	
Heteromeles arbutifolia	Toyon
**Prunus cerasifera*	Cherry plum

* Indicates a non-native species

Table 1

Plant Species Observed on the Pinole Shores Project Site

Rosa californica	California rose
**Rubus armeniacus*	Himalayan blackberry
Salicaceae	
Salix lasiolepis	Arroyo willow
Angiosperms -Monocots	
Poaceae	
**Avena barbata*	Slender wild oat
**Bromus diandrus*	Ripgut grass
**Cynodon dactylon*	Bermudagrass
**Cynosurus echinatus*	Dogtail Grass
Elymus glaucus	Blue wildrye
**Festuca perennis*	perennial ryegrass
**Hordeum murinum subsp. leporinum*	Hare barley
**Phalaris aquatica*	Harding grass
**Stipa miliacea var. miliacea*	Smilo grass

* Indicates a non-native species

Table 2
Wildlife Species Observed on the Pinole Shores Project Site

Birds	
Double-crested cormorant	*Phalacrocorax auritus*
Turkey vulture	*Streptopelia decaocto*
Red-tailed hawk	*Buteo jamaicensis*
Wild turkey	*Meleagris gallopavo*
Rock pigeon	*Columba livia*
Mourning dove	*Zenaida macroura*
Anna's hummingbird	*Calypte anna*
Nuttall's woodpecker	*Picoides nuttallii*
Willow flycatcher	*Empidonax traillii*
Black phoebe	*Sayornis nigricans*
Warbling vireo	*Vireo gilvus*
California scrub jay	*Aphelocoma californica*
Oak titmouse	*Baeolophus inornatus*
Bewick's wren	*Thryomanes bewickii*
American robin	*Turdus migratorius*
Northern mockingbird	*Mimus polyglottos*
Yellow warbler	*Setophaga petechia*
Song sparrow	*Melospiza melodia*
House finch	*Haemorhous mexicanus*
Lesser goldfinch	*Spinus psaltria*

Mammals	
Botta's pocket gopher	*Thomomys bottae*
Coyote	*Canis latrans*
Raccoon	*Procyon lotor*

A TRUCK MOVEMENTS AND FIRE LANE SITE PLAN
SCALE: 1" = 30'

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING
- BUILDING AREA
- VEGETATED FLOW-THRU PLANTER BIOSWALE - SEE CIVIL DRAWINGS
- FIRE LANE 20' — 20 FT WIDE x 14 FT HIGH FIRE DEPARTMENT ACCESS LANE
- PATH OF TRAVEL
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

KEYNOTES

102 PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS.
105 CONCRETE PAVING.
106 PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS.
107 (N) SIDEWALK. SEE LANDSCAPING PLANS FOR DECORATIVE TREATMENT WHERE OCCURS.
114 ACCESSIBLE SITE ENTRANCE SIGN.
124 EXETRIOR CONCRETE LANDING.
127 CONCRETE STAIR ON GRADE TYPE "C".
135 PAINTED CONCRETE TILT-UP SCREEN WALL OR TRASH ENCLOSURE WALL. PAINT BOTH SIDES AND TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
140 TRASH ENCLOSURE w/ ROOF COVERING.
146 2 POSITION BIKE RACK BY "DERO ROUNDRACK"
149 CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS.SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
STEEL PIPE BOLLARD PROTECTION POST.
150 STEEL PIPE PROTECTION POST

FIRE DEPT. CONDITIONS OF APPROVAL

Preliminary Fire Plan Review Comments
PL21-0090/DR21-19 830-840 San Pablo Ave. Pinole, CA
Preliminary Fire Department Comments and Conditions of Approval

Comments below reflect a general and specific preliminary fire review of the subject/proposed project.

1. Compliance with the 2019 CFC (California Fire Code), 2019 CBC (California Building Code the 2019 NFPA 13 Standard), the NFPA 72 Standards and all local ordinances that apply to the company and use of the proposed structure shall apply and be enforced for the scope of work and occupancies of the project subject/proposed plan.

   CBC: 2019 California Building Code
   CFC: 2019 California Fire Code
   NFPA 13: 2016 Edition of the National Fire Protection Association 13: Standard for the installation of Sprinkler Systems.
   NFPA 14: 2016 Edition of the National Fire Protection Association 14: Standard for the installation of Standpipe, Private Hydrant, and Hose Systems.
   NFPA 20: 2016 Edition of the National Fire Protection Association 20: Standard for Stationary Pumps for Fire Protection.
   NFPA 22: 2018 Edition of the National Fire Protection Association 22: Standard for Water Tanks for Private Fire Protection.
   NFPA 24: 2016 Edition of the National Fire Protection Association 24: Standard for the installation of Private Fire Service Mains and Their Appurtenances.
   NFPA 72: 2016 Edition of the National Fire Protection Association 72: National

2. Fire apparatus turning radius shall be in compliance with the Contra Costa County Standard to accommodate the largest fire truck apparatus. (Found on the CCCF Website)

3. Fire Department access shall be a minimum of 20' wide and 14 High and shall not be limited to the painting of red fire lanes and posting of No Parking Fire Lane signage. (TBD with the full site plan review)

-4-

Preliminary Fire Plan Review Comments and Conditions of Approval:
PL21-0090/DR21-19 830-840 San Pablo Ave. Pinole, CA

4. Address shall be a minimum of 6" on a contrasting background visible from the street. Interior elevated corners of structure shall have 12" numbers.

5. A Knox Box shall be required located at the main front entrance door. A Knox Switch shall be required for all electronic gates. Knox Padlocks shall be allowed for any auxiliary purposes.

6. Fire department water supply, identify all fire hydrants present and public or the area. A Fire Control room and identification of such shall be required per the NFPA Standards.

7. Prior to the issuance of a building permit, the applicant is required to submit a full set of plans for review. Separate plans submittal shall be required for all Fire and Life Safety components.

8. Removal and/or cutting back of vegetation around the property, structures and adjacent hill shall be required prior, during and after construction.

9. During construction: Temporary address signage clearly with 12" numbers shall be maintained throughout all phases of construction in addition to a Fire Department Emergency Access gate admitted for emergency access throughout the project with a Fire Department Knox Padlock.

This is a preliminary review of the fire and life safety comments which shall be required for public safety. Additional may be required with submittal of the full scope of work.

R. Lasatorik, IHM – Pinole Fire Department

CYCLE 2
GRP SHORES, LLC
PINOLE, CA

830 SAN PABLO AVE
PROJECT
2ND PLANNING SUBMITTAL

PL21-0090 & DR21-19

HERDMAN
ARCHITECTURE + DESIGN
A20-2041
3.29.2022

NORTH

TRUCK MOVEMENT AND FIRE LANE SITE PLAN

A1.1

11/23/2021 10:31:18 AM

Appendix C

Appendix C. Cultural Resources Study, prepared by Evans & DeShazo, January 4, 2023.

[Confidential]

This report identifies the locations of archaeological resources within Contra Costa County, which is confidential information, as the cultural, scientific, and artistic values associated with these archaeological sites can be damaged or destroyed through uncontrolled public disclosure of information about their locations.

GEOTECHNICAL EXPLORATION REPORT
on
PINOLE SHORES COMMERCIAL DEVELOPMENT
at
836 San Pablo Ave.
Pinole, California
for
KIEWIT INFRASTRUCTURE WEST CO.

By

KC ENGINEERING COMPANY

Project No. VV3967

4 October 2016

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025, fax 447-4143

8798 Airport Road
Redding, California 96002
(530) 222-0832, fax 222-1611

KC ENGINEERING COMPANY
A SUBSIDIARY OF MATERIALS TESTING, INC.

Project No. VV3967
4 October 2016

Mr. Mark Bertolero
Kiewit Infrastructure West Co.
4650 Business Center Drive
Fairfield, CA 94534

Subject: Pinole Shores Commercial Development
836 San Pablo Avenue
Pinole, California
GEOTECHNICAL EXPLORATION REPORT

Dear Mr. Bertolero:

In accordance with your authorization, **KC ENGINEERING COMPANY** has explored the geotechnical conditions of the surface and subsurface soils of the undeveloped northern area of the Pinole Shores commercial development at the subject site. It is noted that the site is proposed to be filled with import soils from the Pinole-Hercules Water Pollution Control Plant Upgrade project and rough graded to provide two super pads for future commercial development.

The accompanying report presents our conclusions and recommendations based on our exploration. Our findings indicate that the proposed fill site and future commercial development is geotechnically feasible for construction on the subject site provided the recommendations of this report are carefully followed and are incorporated into the project plans and specifications.

Should you have any questions relating to the contents of this report or should you require additional information, please contact our office at your convenience. Should additional criteria or analysis be required, please call or email.

Respectfully Submitted,
KC ENGINEERING COMPANY

Reviewed By,

Andrew L. King, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
ANDREW L. KING
No. C 83139
Exp. 3-31-17
CIVIL
STATE OF CALIFORNIA

David V. Cymanski, G.E.
Principal Engineer

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Copies: 1 email, 3 mail to Client

TABLE OF CONTENTS

Page No.

LETTER OF TRANSMITTAL

GEOTECHNICAL EXPLORATION 4
- Purpose and Scope 4
- Site Location and Description 4
- Proposed Development 5
- Field Exploration 5
- Laboratory Testing 6
- Subsurface Conditions 7
- Soil Corrosivity 8
- Site Geology 9
- Geo-Hazards 9

DISCUSSIONS, CONCLUSIONS AND RECOMMENDATIONS 12
- General 12
- Geotechnical Considerations 12
- Grading 13
- Slopes 16
- Surface Drainage 16
- Foundations 18
- Slab-on-Grade Construction 19
- Pavement Areas 20
- Retaining Walls 22
- General Construction Requirements 23

LIMITATIONS AND UNIFORMITY OF CONDITIONS 24

APPENDIX 25
- Aerial Vicinity Map, Figure 1
- Site Plan, Figure 2
- Geologic Map, Figure 3
- Operations & Maintenance Plan
- Logs of Test Borings, Figures 4 through 10
- Test Pit Log
- Subsurface Exploration Legend
- Laboratory Test Results
- Typical Fill Slope & Keyway Detail
- USGS Seismic Design Reports

GEOTECHNICAL EXPLORATION

Purpose and Scope

The purpose of the geotechnical exploration for the proposed fill site and future Pinole Shores commercial development in Pinole, California, was to determine the surface and subsurface soil conditions at the subject site. Based on the results of the exploration, geotechnical criteria and recommendations were established for the grading of the site, the design of foundations, slabs, retaining walls, pavement sections and the construction of other related facilities on the property.

In accordance with your authorization, our exploration services included the following tasks:

a. A review of available geotechnical and geologic literature concerning the site and vicinity;
b. Site reconnaissance by the Geotechnical Engineer to observe and map surface conditions;
c. Drilling of a total of 7 exploratory borings, excavating 6 test pits, and sampling of the subsurface soils;
d. Laboratory testing of the samples obtained to determine their classification and engineering characteristics;
e. Analysis of the data and formulation of conclusions and recommendations; and
f. Preparation of this written report.

Site Location and Description

The subject site is a located at 836 San Pablo Avenue in the City of Pinole, California as shown on Figure 1 "Aerial Vicinity Map" included in the Appendix of this report. The site consists of the undeveloped northern portion of the Pinole Shores commercial development. We understand that the commercial developer Panattoni graded the Pinole Shores project in 2006/2007 and completed the southern half of the project with the four buildings and surrounding underground utilities and pavement that currently exist. Sanitary sewer, storm drain pipelines, catch basins, and a storm water filtration system were installed around the perimeter of the subject site as shown on the attached "Operations and Maintenance Plan". Currently the northern undeveloped area consists of two rough graded pad areas separated by an approximate 12 to 15 feet high 2H:1V slope. Stockpiled materials are present on the southern upper pad. The lower northern pad is relatively flat, but improved with storm water and bio-retention ponds as shown on the Operations and Maintenance Plan. A storm drain over-flow and pipe are located in the

northeastern portion of the site. A rough graded access road surrounds the site. Vegetation on the site consist of a combination of overgrown brush, weeds and native grass.

The above description is based on a reconnaissance of the site by the Geotechnical Engineer, a review of a Google aerial image dated 2016, the "Proposed Master Site Plan" by RMW Architecture dated 3/1/06, and the "Operations and Maintenance Plan" by AnWest dated 9/7/07. The Google Aerial image was used as the basis for our "Aerial Vicinity Map" and the Proposed Master Site Plan was used for our "Site Plan" included as Figures 1 and 2, respectively in the Appendix of this report.

Proposed Development

We understand that the subject site will be used as a fill disposal site for the excess spoils generated at the Pinole-Hercules WPCP upgrade project. The site is currently owned by the City of Pinole and is planned to be sold for future commercial development. The existing site is planned to be stripped of vegetation and prepared for the import materials which will be placed as well-compacted engineered fill. Two super pads are planned to be graded by Kiewit for future commercial development. The existing 12 to 15 feet high slope is planned to be extended north at roughly the same upper pad elevation, followed by placing 4 to 6 vertical feet of fill on the northern lower pad. The surface of the pads may be lime treated and erosion protection provided. All of the proposed grading by Kiewit will occur within the limits of the perimeter rough graded access road.

After rough grading and lime treating of the two super pads as described above, we anticipate that future commercial development will occur including modification of the original development plan as shown on Figure 2 "Site Plan", and include completion of underground utilities, pavements, retaining walls and commercial tilt-up buildings similar to the existing development.

Field Exploration

The field exploration was performed on 9/7/16 and included a reconnaissance of the site and the drilling of seven exploratory test borings and six test pits at the approximate locations shown on Figure 2, "Site Plan" included in the Appendix.

The borings were drilled to a maximum depth of 29½ feet below the existing ground surface. The drilling was performed with a CME 55 drill rig using power-driven, five-inch diameter, continuous flight augers. Visual classifications were made from auger cuttings and the samples in the field. As the drilling proceeded, relatively undisturbed tube samples were obtained by driving a 3-inch O.D., California split-tube sampler, containing thin brass liners, into the boring bottom in

accordance with ASTM D3550. Disturbed samples were also obtained by driving a 2-inch O.D., split-barrel SPT sampler into the boring bottom in accordance with ASTM D1586. The samplers were driven into the in-situ soils at various depths under the impact of a 140-pound hammer having a free fall of 30 inches. The number of blows required to advance the sampler 12 inches into the soil, after seating the sampler 6 inches, were adjusted to the standard penetration resistance (N-Value). The raw blow counts obtained using the California sampler were corrected to equivalent N-Values using Burmister's (1948) energy and diameter correction formula. When the sampler was withdrawn from the boring bottom, the samples were removed, examined for identification purposes, labeled and sealed to preserve the in-situ moisture content, and transported to our laboratory for testing.

The test pits were excavated with a mini-excavator utilizing a 24 inch wide bucket. The encountered soil layers and material types were logged and bulk samples obtained. At completion the pits were loosely backfilled. These pits should be over-excavated and properly backfilled during the upcoming grading operations.

Classifications made in the field were verified in the laboratory after further examination and testing. The stratification of the soils, descriptions, location of undisturbed soil samples and standard penetration resistance are shown on the respective Boring and Test Pit Logs contained within the Appendix.

Laboratory Testing

The laboratory testing program was directed towards providing sufficient information for the determination of the engineering characteristics of the site soils so that the recommendations outlined in this report could be formulated. Lab classification testing of the proposed import soils from the Pinole WPCP are also included herein. The laboratory test results from the site are presented on the respective Boring and Test Pit Logs and data sheets in the Appendix.

Moisture content and dry density tests (ASTM D2937) were performed on representative relatively undisturbed soil samples in order to determine the consistency of the soil and the moisture variation throughout the explored soil profile as well as estimate the compressibility of the underlying soils.

The strength parameters of the foundation soils were determined from a direct shear test (ASTM D3080) and unconfined compression tests (ATSTM D2166) performed on selected relatively undisturbed soil samples. Standard field penetration resistance (N-Values) and pocket penetrometer readings also assisted in the determination of strength and bearing capacity. The

standard penetration resistances and pocket penetrometer readings are recorded on the respective "Log of Test Boring".

In order to assist in the identification and classification of the subsurface soils, sieve analysis tests (ASTM D6913), Atterberg Limits tests (ASTM D4318), and an Expansion Index test (ASTM D4829) were performed on selected soil samples. The Atterberg Limits and Expansion Index test results were used to estimate the expansion potential of the site and import soils.

An R-Value test (Cal Test 301) was performed on a composite bulk sample to assist in pavement section design. The bulk sample was obtained from the upper 3 feet across the site pavement areas at the locations shown on Figure 2.

A representative composite bulk sample of the near surface soils was obtained to evaluate the presence and concentration of water soluble sulfates in accordance with California Test Method 417. These test results were used to identify the corrosion potential of the soils to at or below grade concrete. Additional soil corrosion potential tests (pH, Resistivity & Chlorides) were also performed. The bulk sample was obtained from the upper 5 feet across the building pad areas at the locations shown on Figure 2.

Subsurface Conditions

Based on our field exploration and laboratory testing, the surface and subsurface soil conditions across the site generally consist of variable thicknesses of undocumented fills overlying native soil deposits and highly weathered bedrock. The undocumented surficial fills consist of highly to very highly expansive, sandy clay with claystone diatomite rock fragments ranging in thickness from 2 to 25 feet. The thickest fill encountered is at the northeastern portion of the site. Although no compaction test records were available for our review, the fills appeared to have been placed and well compacted. The fills are underlain by native soils consisting of highly expansive sandy clays. The underlying bedrock consists highly weathered and fractured, weak bedrock. Claystone, siltstone, sandstone and diatomite bedrock materials were encountered.

The existing upper pad appears to have been created by placing 2 to 14 feet of fill over native soils and bedrock, with the thickest fill on the west. The lower pad appears to have been graded by cutting the central area and lower portion of the bisecting slope. The west, north and east areas were filled as evidenced by the perimeter 2H:1V fill slope.

Groundwater was encountered in Boring 3 at 15 feet and in Boring 4 at 24 feet at the time of our field exploration. Groundwater was not encountered in the remaining borings and test pits.

Fluctuations in the groundwater conditions can occur with variations in seasonal rainfall, site irrigation and variations in subsurface stratigraphy.

A more thorough description and stratification of the soils encountered along with the results of the laboratory tests are presented on the respective Boring and Test Pit Logs in the Appendix. The approximate locations of the borings and test pits are shown on Figure 2, "Site Plan," in the Appendix.

Soil Corrosivity

A representative composite sample of the near surface soils (upper 5 feet) was collected and transported to Sunland Analytical in Rancho Cordova for testing of water soluble sulfates, pH, minimum resistivity and chlorides per California Test Methods.

The testing indicates sulfate contents of 186 ppm (mg/kg), a chloride content of 56 ppm, minimum resistivity of 960 ohm-cm and soil pH of 5.11 for the sample collected. It is noted that the sulfate test results indicate "not-applicable" or "S0" sulfate exposure to concrete as identified in Section 1904 of the 2013 California Building Code and Tables 4.2.1 and 4.3.1 of ACI 318-11 Building Code Requirements for Structural Concrete. No cement type restriction is required, however, we do recommend that a Type I/II cement be utilized for moderate sulfate resistance.

The Caltrans Corrosion Guidelines[1] defines a corrosive site as one where the soil and/or water has a sulfate concentration of 2,000 ppm or more, a chloride concentration of 500 ppm or more, a pH of 5.5 or less, and a minimum resistivity less than 1,000 ohm-cm. According to the Electrical Design, Cathodic Protection Manual[2], soil corrosion is not likely if the minimum resistivity is above 30,000 ohm-cm. If the resistivity is between 10,000 and 30,000 ohm-cm the corrosivity is mild, between 2,000 and 10,000 the corrosivity is moderate to severe, and lower than 2,000 it is severe. Based on these criteria, the soils at the site are considered to have a severe corrosion potential to buried metal.

KC Engineering Company is not a corrosion engineering firm. Therefore, to further define the soil corrosion potential and interpret the above test results, or to design cathodic protection or grounding systems, a licensed Corrosion Engineer should be consulted.

[1] California Department of Transportation Corrosion Technology Branch, Materials Engineering and Testing Services, *Corrosion Guidelines*, Version 2.0, November 2012.
[2] Technical Manual TM 5-811-7, *Electrical Design, Cathodic Protection*, prepared by Headquarters, Department of the Army, dated 22 April 1985 also known as UFC 3-570-02A, *Cathodic Protection*, by Department of Defense.

Site Geology

The geologic materials underlying the site are mapped as lower Cretaceous aged Rodeo shale and older diatomite and sandstone as shown on the Preliminary Geologic Map Emphasizing Bedrock Formations in Contra Costa County[3]. A portion of this map showing the site is presented on Figure 3 "Geologic Map" in the Appendix. The subsurface deposits encountered during our exploration generally correlate with previous mapping, except for the overlying native alluvium and artificial fills.

Geo-Hazards

Seismicity & Ground Motion Analysis

The site is not located within an Alquist-Priolo Earthquake Fault Zone[4]. There are no known active faults crossing the site as mapped and/or recognized by the State of California. Pinole is located in a seismically-active region and earthquake related ground shaking should be expected during the design life of structures constructed on the site. The California Geological Survey has defined an active fault as one that has had surface displacement in the last 11,000 years, or has experienced earthquakes in recorded history.

Based on our review of the Fault Activity Map of California[5] and the USGS Fault Database[6], the nearest active faults are the Pinole Fault and the Hayward-Rogers Creek Fault located approximately 0.6 miles northeast and 2.9 miles southwest, respectively.

The 2013 CBC specifies that the potential for liquefaction and soil strength loss should be evaluated, where applicable, for the Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration with an adjustment for site class effects in accordance with American Society of Civil Engineer (ASCE 7-10)[7]. The MCE_G is peak ground acceleration is based on the geometric mean peak ground acceleration with a 2 percent probability of exceedance in 50 years. The MCE_G peak ground acceleration with adjustment for site class effects (PGA_M) was calculated

[3] Graymer, R.W., Jones, D.L., and Brabb, E.E., 1994, *Preliminary Geologic Map Emphasizing Bedrock Formations in Contra Costa County, California*, United States Geological Survey, OFR-94-622

[4] Hart, E.W. and Bryant, W.A., 1997, *Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Fault Zoning Act with Index to Earthquake Fault Zones Maps*, California Department of Conservation, Division of Mines and Geology, Special Publication 42, Interim Revision 2007.

[5] Jennings, C.W. and Bryant, W.A., 2010, *Fault Activity Map of California*, California Geological Survey Geologic Data Map No. 6, scale 1:750,000

[6] U.S. Geological Survey and California Geological Survey, 2006, Quaternary Fault and Fold Database for the United States, accessed 9/22/16, from USGS web site: http//earthquake.usgs.gov/regional/qfaults/.

[7] American Society of Civil Engineer (ASCE), 2010, Minimum Design Loads for Buildings and Other Structures, Standard 7-10.

to be 0.725g using the United States Geological Survey web-based seismic design tool with a site coefficient (F_{PGA}) of 1.0 for Site Class D.

Structures at the site should be designed to withstand the anticipated ground accelerations. Based on the USGS Seismic Design Maps[8] website and ASCE 7-10, the 2013 CBC earthquake design values are as follows.

Site Class:	D	
Mapped Acceleration Parameters:	S_S = 1.882g;	S_1 = 0.757g
Design Spectral Response Accelerations:	S_{DS} = 1.254g;	S_{D1} = 0.757g

The summary and detailed USGS design maps reports are included in Appendix.

Fault Rupture

The site is not located within an Alquist-Priolo Earthquake Fault Zone. Based on our review of geologic maps, no known active or inactive faults cross or project toward the subject site. No evidence of active faulting was visible on the site during our site reconnaissance. Therefore, it is our opinion that there is no potential for fault-related surface rupture at the subject site.

Landsliding

The cut and fill slopes observed on the site do not have any obvious signs of landsliding or slumping. It is our opinion the potential for seismically-induced landslide hazards is low.

Liquefaction

Soil liquefaction is a phenomenon in which loose and saturated cohesionless soils are subject to a temporary, but essentially total loss of shear strength, due to pore pressure build-up under the reversing cyclic shear stresses associated with earthquakes. Soils typically found most susceptible to liquefaction are saturated and loose, fine to medium grained sand having a uniform particle range and less than 35% fines passing the No. 200 sieve, and a corrected standard penetration blow count $(N_1)_{60}$ less than 30. According to Special Publication 117A by the California Geological Society, the assessment of hazards associated with potential liquefaction of soil deposits at a site must consider translational site instability (i.e. lateral spreading, etc.) and more localized hazards such as bearing failure and settlement. The acceptable factor of safety against liquefaction is recommended in SP117 to be 1.3 or greater.

[8] http://earthquake.usgs.gov/designmaps/us/application.php, accessed 9/22/16

The data used for evaluating liquefaction potential of the subsurface soils consisted of the in-situ Standard Penetration Resistance values $(N_1)_{60}$ values, the unit weights, gradations, in-situ moisture contents, the groundwater level, and the location of the site to the nearest active fault and the predicted ground surface acceleration The soil materials encountered on the site were found to be stiff to very stiff and predominately cohesive. Considering the stiff cohesive nature of the surficial soils and the relatively shallow bedrock, it is our opinion that liquefaction of the subsurface deposits are considered unlikely.

DISCUSSIONS, CONCLUSIONS AND RECOMMENDATIONS

General

From a geotechnical point of view, the proposed fill site and future commercial development are considered to be feasible for construction provided the recommendations presented in this report are incorporated into the project plans and specifications.

All grading and foundation plans for the development must be reviewed by the Soil Engineer prior to contract bidding or submittal to governmental agencies to ensure that the geotechnical recommendations contained herein are properly incorporated and utilized in design.

KC ENGINEERING CO. should be notified at least two working days prior to site clearing, grading, and/or foundation operations on the property. This will give the Soil Engineer ample time to discuss the problems that may be encountered in the field and coordinate the work with the contractor.

Field observation and testing during the grading and/or foundation operations must be provided by representatives of ***KC ENGINEERING CO.*** to enable them to form an opinion regarding the adequacy of the site preparation, the acceptability of fill materials, and the extent to which the earthwork construction and the degree of compaction comply with the specification requirements.

Geotechnical Considerations

The primary geotechnical concerns for the site are the presence of surficial undocumented fills, the highly to very highly expansive materials, and the potential for differential settlement from the variable thickness of fills under the proposed building footprints. Although compaction test records were not provided for our review, our field and lab data suggest that the fills were placed and relatively well-compacted. The upper 12 inches was found to be relatively dry due to the length of time since placement. In addition, the stockpiled soils on the upper pad were found to be generally clean of debris and will require over-excavating down to the previously compacted pad prior to use as engineered fill as described in the "Grading" section below.

The existing site soils and the proposed import soils from the Pinole WPCP are considered highly expansive and are prone to excessive heave and shrink movements with changes in moisture content and, consequently, must be carefully considered in the design of grading, foundations, drainage, and landscaping. Due to the expansive nature of these materials and expected variability in the proposed import material type, we recommend that the building pads and

pavement areas be lime treated as recommended in the "Grading" and "Pavement" sections below.

Due to the variable fill thicknesses that will be present under the proposed buildings, we estimate that differential settlement of 1 to 2 inches may occur across the building footprints. To aid in dampening and minimizing potential differential settlement, we recommend that additional fills be compacted to a higher degree of relative compaction and that the upper 2 feet of the pads be lime modified.

Considering that all of the existing stockpiled materials and proposed import materials will be placed as compacted engineered fill with the surface of the pads lime treated, it is the opinion of **KC ENGINEERING COMPANY** that the proposed commercial structures may be supported on a deepened and inter-connected, well-reinforced spread footing foundation system with conventional interior slab-on-grade floors.

Grading, foundation design, and drainage recommendations are presented herein. At this time, final project or detailed grading plans have not been completed. When plans become available additional exploratory borings may be required. When project grading plans become available for our review, supplemental grading recommendations may be required.

Grading

Grading operations performed during the wet season will be hampered by excessive moisture. Grading activities may be performed during the wet season. However, achieving proper compaction may be difficult due to excessive moisture resulting in project delays to grade the site. Grading performed during the dry months will minimize the occurrence of the above problems.

The surface of the site should be stripped to remove all existing heavy brush and vegetation and/or other deleterious materials. The thick brush and dense vegetation should then be removed from the site. The remaining low native grasses may be disked and mixed into the proposed fills.

As discussed above, the existing stockpiled material on the upper pad, as well as the proposed import from the Pinole WPCP may be utilized as compacted engineered fill for the proposed commercial project. Prior to grading and additional fill placement, the stockpiled materials on the upper pad, as well as the storm water pond berms on the lower pad will need to be over-excavated to expose the original pad grade, followed by scarifying, moisture conditioning and compacting before additional fill is placed to design grades.

After stripping and removal of heavy vegetation, and over-excavation of the stockpiled materials and drainage berms, it is recommended the upper 12 inches of exposed surface (previously graded pad surface) be scarified, moisture conditioned and compacted to a minimum degree of relative compaction of 90% as determined by ASTM D1557 Laboratory Test Procedure. After processing the lower 12 inches, the site may be brought to the desired finished grades by placing engineered fill in lifts of 8 inches in un-compacted thickness and compacting to a minimum relative compaction of 92% at 3 or more percent over optimum in accordance with the aforementioned test procedure. All soils encountered during our investigation are suitable for use as engineered fill when placed and compacted at the recommended moisture content.

Any loose or soft soils encountered during original ground preparation must be over-excavated to competent materials prior to fill placement. Excavated soil materials may be used as engineered fill with the approval of the Soil Engineer provided they do not contain debris or excessive organics.

All fill material should be approved by the Soil Engineer. The material should be a soil or soil-rock mixture which is free from excessive organic matter or other deleterious substances. The fill material should not contain rocks or lumps over 6 inches in greatest dimension and not more than 15% larger than 2-½ inches. All soils encountered during our exploration, including the proposed import from the WPCP would be suitable for use as engineered fill when placed and compacted as recommended.

Prior to compaction, each layer should be spread evenly and should be thoroughly blade mixed during the spreading to obtain uniformity of material in each layer. The fill should be brought to a water content that will permit proper compaction by either (a) aerating the material if it is too wet, or (b) spraying the material with water if it is too dry. Compaction should be performed by footed rollers or other types of approved compaction equipment and methods. Compaction equipment should be of such design that they will be able to compact the fill to the specified density. Rolling of each layer should be continuous over its entire area and the equipment should make sufficient trips to ensure that the required density has been obtained. No ponding or jetting is permitted.

Should select import material be used to establish the upper 24 inches of the structural fill pad, the import material should be approved by the Soil Engineer before it is brought to the site. The select fill limits should extend 5 feet beyond the building footprint or to the edge of adjacent flatwork. Where select import soil is used within the upper 24 inches of the pad, it should meet the following requirements:

a. Have an R-Value of not less than 25;

b. Have a Plasticity Index not higher than 15;
c. Not more than 15% passing the No. 200 sieve;
d. No rocks larger than 3 inches in maximum size;

As an alternate to importing select low to non-expansive materials for the upper 24 inches of the building pads, the materials should be lime treated. The lime treatment limits should extend 5 feet beyond the building footprint or to the edge of adjacent concrete flatwork. The lime treatment may be performed in maximum 18 inch lifts. Therefore, the building pad should be graded to within 18 inches of the design pad grade, followed by lime treatment. The lime treatment should consist of a mixture of 5% lime by dry weight of high-calcium quicklime, for the 18-inch mixing depth. Considering the anticipated variability of the site materials and a soil unit weight of 115 p.c.f., the minimum spread rate for an 18 inch mixing depth would be 8.6 p.s.f., or alternatively 5.8 p.s.f. for a 12 inch mixing depth. A lower lime percentage and spread rate may be utilized if determined by lab testing to verify a Plasticity Index of 15 or less. The lime treated soils should be compacted to at least 95% relative compaction of the maximum wet density at moisture content at least 3% above optimum. The lime treatment must be performed by a qualified soil stabilization contractor in general conformance with Caltrans Standard Specification Section 24. The product specification and quality control test results must be provided to us by the contractor for review and acceptance prior to the treatment operations. The lime should be spread and mixed with equipment capable of providing relatively uniform conditions. The lime treated sections must be mixed at least twice prior to compaction which must be performed within 24 hours after final mixing. After compaction, it is important to moist cure the lime treated soils until placement of the subsequent slab subbase materials (i.e. do not let pad dry out and desiccate).

The standard test used to define maximum densities and optimum moisture content of all compaction work shall be the Laboratory Test procedure ASTM D1557 and field tests shall be expressed as a relative compaction in terms of the maximum dry density and optimum moisture content obtained in the laboratory by the foregoing standard procedure. Field density and moisture tests shall be made in each compacted layer by the Soil Engineer of Record in accordance with Laboratory Test Procedure ASTM D6938. When footed rollers are used for compaction, the density and moisture tests shall be taken in the compacted material below the surface disturbed by the roller. When these tests indicate that the compaction requirements on any layer of fill, or portion thereof, have not been met, the particular layer, or portion thereof, shall be reworked until the compaction requirements have been met.

Slopes

Considering the sites sloping contours and the anticipated placement of compacted fill, engineering guidelines should be followed when placing fill on sloping terrain. We anticipate that the northern development areas may have additional fill slope requirements. Prior to placement of fills and after stripping of vegetation for the future development, a toe of slope keyway must be constructed into competent soil materials prior to placement of engineered fill as required by the 2013 CBC Appendix J. A toe key excavation should be placed at the base of all such fills. This key should be a minimum of 12 feet in width, cut into competent non-yielding material a minimum of 2 vertical feet, and sloped into the hillside at a gradient of no less than 5%. A typical fill slope cross section has been included in the Appendix. A keyway is not required for fill slopes if the existing ground is 6H:1V or flatter.

A subdrain should be constructed in the toe of slope keyway as shown on the attached cross-section. The subdrain should be connected to a suitable discharge facility. The actual location and quantity of subsurface drains will be made in the field by the Soil Engineer and after review of the project grading plans.

Unsupported cut slopes should not be steeper than 2.5H:1V. Fill slopes should not be steeper than 2H:1V. Fill slopes must be compacted as the filling operation progresses by over-constructing the fill slopes and cutting back the looser surface soils to a firm and adequately compacted designed slope grade. Track-walking of slope surfaces does not provide adequate soil densities and is an unacceptable method of slope compaction.

Cut and fill slopes in soil may experience severe erosion when grading is halted during rainy weather. Before work is stopped, a positive gradient away from the slopes must be established to carry the surface runoff water away from the slopes to areas where erosion and sediment can be controlled. After the completion of the slope grading, erosion protection must be provided on all soil surfaces. Slope planting, preferably with deep-rooted native plants, must be completed on all exposed surfaces of cut and fill slopes. Graded slopes should not be left exposed through a winter season without the completion of erosion control measures and slope planting.

Surface Drainage

A very important factor affecting the performance of structures is the proper design, implementation, and maintenance of surface drainage, as well as maintaining uniform moisture conditions around the structures. Ponded water will cause swelling and/or loss of soil strength and may also seep under structures. Should surface water be allowed to seep under the structures, differential foundation movement resulting in structural damage and/or standing water under the slab will occur. This may cause dampness to the floor which may result in

mildew, staining, and/or warping of floor coverings. To minimize the potential for the above problems, dampproofing and waterproofing should be provided as required by Section 1805 of the 2013 CBC. In addition, the following surface drainage measures are recommended and must be maintained by the property owner in perpetuity:

a) Liberal building pad slopes and surface drainage must be provided by the project Civil Engineer to remove all storm water from the pad and to prevent storm and/or irrigation water from ponding adjacent to the structure foundations. The finished pad grade around the structures should be compacted and sloped 5% away from the exterior foundations and as required in Section 1804.3 of the 2013 CBC.

b) Enclosed or trapped planter areas adjacent to the structure foundations should be avoided if possible. Where enclosed planter areas are constructed, these areas must be provided with adequate measures to drain surface water (irrigation and rainfall) away from the foundation. Positive surface gradients and/or controlled drainage area inlets should be provided. Care should be taken to adequately slope surface grades away from the structure foundations and into area inlets. Drainage area inlets should be piped to a suitable discharge facility.

c) Adequate measures for storm water discharge from the roof gutter downspouts must be provided by the project Civil Engineer and maintained by the property owners at all times, such that no water is allowed to pond next to the structure. Closed pipe discharge lines should be connected to downspouts and discharged into a suitable drainage facility. It is important not to allow concentrated discharge on the surface of any slope so as to prevent erosion.

d) Site drainage should be designed by the project Civil Engineer. Civil engineering, hydraulic engineering, and surveying expertise is necessary to design proper surface drainage to assure that the flow of water is directed away from the foundations.

e) Over-irrigation of plants is a common source of water migrating beneath a structure. Consequently, the amount of irrigation should not be any more than the amount necessary to support growth of the plants. Foliage requiring little irrigation (drip system) is recommended for the areas immediately adjacent to the structures.

f) Landscape mounds or concrete flatwork should not be constructed to block or obstruct the surface drainage paths. The Landscape Architect or other landscaper should be made aware of these landscaping recommendations and should implement them as

designed. The surface drainage facilities should be constructed by the contractor as designed by the Civil Engineer.

Where bio-retention swales, basins or planter areas be planned by the Civil Engineer, we recommend that these areas be reviewed by the Soil engineer for comment and supplemental recommendations. Bottom subdrainage, positive slope gradients and/or water-proof liners may be required. In addition, we recommend that bio-swales and basins be a minimum of 10 feet away from building structures.

Foundations

Based on the results of the field exploration and laboratory testing, the site foundation soils are considered to be highly expansive. Provided the site is prepared in accordance with the "Grading" section above and the building pads consist of either select import or lime treated materials, the proposed structures may be supported on a well-reinforced inter-connected spread-footing foundation system.

A continuous spread footing should be placed around the perimeter of the structure and any interior wall or column footings should be continuously connected to the perimeter. Isolated footings should not be utilized unless connected with reinforced tie-beams. The continuous spread footings should extend to a minimum depth of 24 inches below lowest adjacent pad grade (i.e., trenching depth) and be a minimum of 18 inches wide. Tie-beams should be a minimum of 18 inches deep. At this depth, the recommended design bearing pressure for the continuous footings should not exceed 2,000 p.s.f. due to dead plus live loads. The above allowable pressures may be increased by 1/3 due to transient loads which include wind and seismic. All foundations must be adequately reinforced to provide structural continuity and resist the anticipated loads as determined by the project Structural Engineer. However, continuous footings and tie-beams are recommended to be reinforced with a minimum of four No. 6 bars, two at the top and two near the bottom of the footing. Additional reinforcement will be as required by the structural engineer and in accordance with structural building code requirements. Foundations designed in accordance with the above criteria are expected to experience a total settlement of less than 1 inch with less than 1/2 of an inch of differential settlement between columns.

To accommodate lateral building loads, the passive resistance of the foundation soil can be utilized. The passive soil pressures can be assumed to act against the front face of the footing below a depth of 1 foot below the ground surface. It is recommended that a passive pressure equivalent to that of a fluid weighing 250 p.c.f. be used. For design purposes, an allowable friction coefficient of 0.32 can be assumed at the base of the spread footings. These two modes

of resistance should not be added unless the frictional component is reduced by 50 percent since the mobilization of the passive resistance requires some horizontal movement, effectively reducing the frictional resistance.

Slab-on-Grade Construction

Interior and exterior concrete slabs/flatwork, including sidewalks, driveways and non-structural detached patios and general flatwork may experience some cracking due to finishing and curing methods as well as moisture variations within the underlying soils. To reduce the potential cracking of the slabs-on-grade, the following recommendations are made:

a) It is important to moist cure the lime treated soils on the building pad until placement of the subsequent materials. All areas to receive slabs should be thoroughly wetted to seal any desiccation cracks prior to placing concrete. This work should be done under the observation of the Soil Engineer.

b) Slabs should be underlain by a minimum of 4 inches of compacted angular Caltrans Class 2 Aggregate Base placed between the finished subgrade and the slabs to serve as slab support and a capillary break between the subsoil and the slab.

c) Interior and exterior slabs/flatwork should be a minimum of 5 inches thick and reinforced with a minimum of No. 4 rebar spaced 18 inches center to center, each way. Thicker slabs may be required in warehouse spaces depending on intended use. Additional concrete pavement recommendations are provided in the "Pavement Areas" section of this report. The actual slab thickness and reinforcement should be determined by the project structural engineer in accordance with the structural requirements and the anticipated loading conditions. The reinforcement shall be placed in the center of the slab unless otherwise designated by the design engineer.

d) A vapor retarder membrane should be installed between the prepared aggregate base of the building pad and the interior slabs to minimize moisture condensation under the floor coverings and/or upward vapor transmission. The vapor barrier membrane should be a minimum 15-mil extruded polyolefin plastic that complies with ASTM E1745 Class A and have a permeance of less than 0.01 perms per ASTM E96 or ASTM F1249. It is noted that polyethylene films (visqueen) do not meet these specifications. The vapor barrier must be adequately lapped and taped/sealed at penetrations and seems in accordance with ASTM E1643 and the

manufacturer's specifications. The vapor retarder must be placed continuously across the slab area.

e) Exterior flatwork should be placed structurally independent of the foundations. A 30-pound felt strip, expansion joint material, or other positive separator should be provided around the edge of all floating slabs to prevent bonding to the foundation. As an added measure to minimize vertical deflections between the foundation and exterior slabs, rebar doweling should be provided. Doweling details should be provided by the Structural Engineer.

f) Slabs should be provided with crack control saw cut joints, tool joints or other methods to allow for expansion and contraction of the concrete. In general, contraction joints should be spaced no more than 20 times the slab thickness in each direction. The layout of the joints should be determined by the project Structural Engineer and/or Architect.

g) To minimize moisture infiltration under slabs and to add edge rigidity, we recommend that slabs be thickened at the edges to extend below the aggregate base layer to the soil subgrade for a minimum width of 6 inches.

h) We recommend that appropriate provisions be provided by the Structural Engineer and Contractor to minimize slab cracking, such as curing measures and/or admixtures to minimize concrete shrinkage and curling. American Concrete Institute methods and guidelines of curing, such as wet curing or membrane curing, are recommended to minimize drying shrinkage cracking.

Pavement Areas

The driveways and parking areas are anticipated to consist of either asphalt concrete (AC) or Portland cement concrete (PCC) surfaces. Recommendations for both pavement surfaces are presented below. We emphasize that the performance of the pavement is critically dependent upon adequate and uniform compaction of the subgrade soils, as well as engineered fill and utility trench backfill within the limits of pavements. Pavements will typically have poor performance and shorter life where water is allowed to migrate into the aggregate base and subgrade soils. The main source of water into a pavement section is landscape planters constructed within or adjacent to pavement areas. Where this is planned, it is recommended to extend the curbs into the soil subgrade at least 2 inches. The construction of all pavements should conform to the requirements set forth by the latest Standard Specifications of the Department of Transportation of the State of California (Caltrans) and the City of Pinole.

R-Value: A composite bulk sample was obtained of the near surface soils within the planned roadways that are relatively representative of the anticipated subgrade soils. The sample was tested in accordance with the California Test Method 301 to determine the R-Value for the site soils. An R-Value of 42 was determined for the sample obtained as shown in the Appendix. Due to the highly expansive nature of the on-site and import soils, we recommend that the upper 12 inches of the pavement subgrade areas be lime treated. For lime treated subgrades, we recommend a minimum R-Value of 25 be used for design.

Preparation of Subgrade: After underground utilities have been placed in the areas to receive pavement and removal of excess material has been completed, the upper 12 inches of the subgrade soil shall be lime treated with a 5% mixture and compacted to a minimum of 95%. The lime treatment and compaction criteria in the "Grading" section above should be followed. Prior to placement of aggregate baserock, it is recommended that the subgrade be proof rolled and observed for deflection by the Soils Engineer. Should deflection and/or pumping conditions be encountered, stabilization recommendations will be provided by the Geotechnical Engineer based on field conditions.

Aggregate Base: All aggregate base material placed subsequently should also be compacted to a minimum relative compaction of 95% based on the ASTM Test Procedure D1557. Aggregate base should meet the minimum requirements of Caltrans Class 2 per Section 26. The recommended aggregate base thicknesses for asphalt concrete pavements are noted in the table below. The minimum aggregate base thickness for PCC roadway pavements is 6 compacted inches.

Asphalt Concrete: Based on a lime treated subgrade with a minimum R-Value of 25 and traffic indices typical for commercial developments, the recommended pavement sections for asphalt concrete surfaces are summarized in the table below. The appropriate traffic index (TI) and any minimum pavement sections should be determined by the Civil Engineer in conformance with the City of Pinole Specifications.

Traffic Condition	Traffic Index (TI)	Asphalt Concrete (inches)	Class II Aggregate Base[1] (inches)
Parking Stalls	4.5	3.0	5.0
Drive Aisles	6.0	3.5	9.5
Heavy Truck Areas	8.0	4.5	13.0

NOTES:

(1) Minimum R-Value = 78 per Caltrans Section 26.

(2) All layers in compacted thickness to CalTrans Standard Specifications.

Portland Cement Concrete: Where PCC pavement areas are utilized, the concrete should be poured on the compacted aggregate base layer. The concrete section should be designed by the project Structural Engineer. We recommend a minimum of 7 inches thick PCC reinforced with a minimum of No. 4 rebar spaced at 16 inches on center, each way, underlain by 6 inches of compacted Class 2 aggregate base. Additional reinforcement may be required by the Structural Engineer.

Retaining Walls

Any retaining walls that are to be incorporated into the project should be designed to resist lateral pressures exerted from a media having an equivalent fluid weight as follows:

Gradient of Back Slope	Equivalent Fluid Weight (p.c.f.)			Coefficient of Friction
	Unrestrained Condition (Active)	Restrained Condition (At Rest)	Passive Resistance	
Horizontal	60	80	250	0.32
2:1	70	90	250	0.32

It should be noted that the effects of any surcharge or compaction loads behind the walls must be accounted for in the design of the walls. In addition, an earthquake load of $15H^2$ applied at 0.6H where H = wall height, from the bottom of the wall is applicable. Restrained conditions should be used where framing or other structural members rests on top or is connected to the top of walls.

The above criteria are based on fully drained conditions. In order to achieve fully-drained conditions, a drainage filter blanket should be placed behind the wall. The blanket should be a minimum of 12 inches thick and should extend the full height of the wall. If the excavated area behind the wall exceeds 12 inches, the entire excavated space behind the 12-inch blanket should consist of compacted engineered fill or blanket material. The gravel drainage blanket material may consist of either granular crushed rock or drain pipe fully encapsulated in geotextile filter fabric (Mirafi 140N or equivalent) or Class II permeable material that meets CalTrans Specification, Section 68. A 4-inch diameter SDR35 perforated drain pipe should be installed in the bottom of the drainage blanket and should be underlain by 4 inches of filter type material. Piping with a minimum gradient of 2% shall be provided to discharge water that collects behind the walls to an adequately controlled discharge system away from the structure foundations.

If mechanically stabilized earth, segmental retaining walls such as Keystone walls are utilized, the design and construction of these proposed flexible modular retaining wall systems should conform to the recommendations of the manufacturer and/or Keystone Retaining Wall Systems or the

National Concrete Masonry Association (NCMA). The following soil parameters would be applicable for design using on-site soil materials within the reinforced, retained and bearing zones: $\varphi = 28$ degrees, $c = 0$ p.s.f., $\gamma = 115$ p.c.f. The wall backfill within the reinforced zone may consist of the on-site soil materials provided it has a maximum Liquid Limit of 40 and a maximum Plasticity Index of 20. The wall embedment should conform to the recommendations by Keystone or NCMA.

General Construction Requirements

Utility trenches extending underneath all traffic areas must be backfilled with native or import soil materials and compacted to relative compaction of 92% to within 12 inches of the subgrade. The upper 12 inches should be compacted to 95% relative compaction in accordance with Laboratory Test Procedure ASTM D1557. Backfilling and compaction of these trenches must meet the requirements set forth by the City of Pinole, Department of Public Works.

Applicable safety standards require that trenches in excess of 5 feet must be properly shored or that the walls of the trench slope back to provide safety for installation of lines. If trench wall sloping is performed, the inclination should vary with the soil type and applicable OSHA Safety Standards. The soils at the site are considered to be Type B, except where groundwater is encountered Type C should be used.

With respect to state-of-the-art construction or local requirements, utility lines are generally bedded with granular materials. These materials can convey surface or subsurface water beneath the structures. It is, therefore, recommended that all utility trenches which possess the potential to transport water be sealed with a compacted impervious cohesive soil material or lean concrete where the trench enters/exits the building perimeter. This impervious seal should extend a minimum of 2 feet away from the building perimeter.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. It should be noted that it is the responsibility of the owner or his representative to notify ***KC ENGINEERING CO.***, in writing, a minimum of two working days before any clearing, grading, or foundation excavation operations can commence at the site.

2. The recommendations of this report are based upon the assumption that the soil conditions do not deviate from those disclosed in the borings and from a reconnaissance of the site. Should any variations or undesirable conditions be encountered during the development of the site, ***KC ENGINEERING CO.***, will provide supplemental recommendations as dictated by the field conditions.

3. This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information and recommendations contained herein are brought to the attention of the Architect and Engineer for the project and incorporated into the plans and that the necessary steps are taken to see that the Contractor and Subcontractors carry out such recommendations in the field.

4. At the present date, the findings of this report are valid for the property investigated. With the passage of time, significant changes in the conditions of a property can occur due to natural processes or works of man on this or adjacent properties. In addition, legislation or the broadening of knowledge may result in changes in applicable standards. Changes outside of our control may render this report invalid, wholly or partially. Therefore, this report should not be considered valid after a period of two (2) years without our review, nor should it be used, or is it applicable, for any properties other than those investigated.

5. Not withstanding, all the foregoing applicable codes must be adhered to at all times.

APPENDIX

Aerial Vicinity Map

Site Plan

Geologic Map

Operations & Maintenance Plan

Log of Test Boring

Test Pit Log

Subsurface Exploration Legend

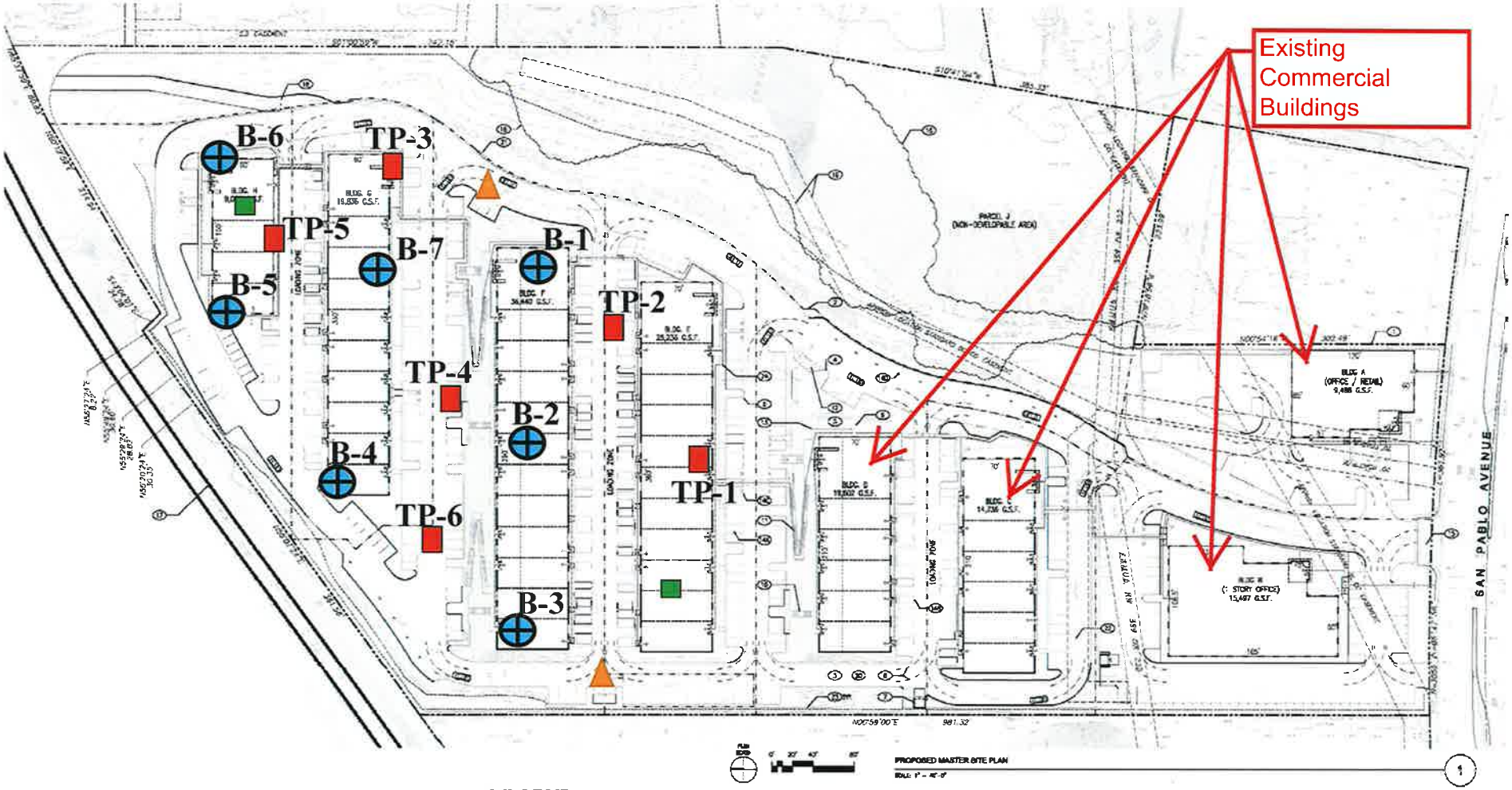
Laboratory Test Results

Typical Fill Slope Detail

USGS Seismic Design Criteria

KC ENGINEERING CO.
865 Cotting Lane, Suite A
Vacaville, CA 95688
707.447.4025

Project No. VV3967
Proposed Fill Site & Future Commercial Development
836 San Pablo Ave., Pinole, CA
Figure 1 – AERIAL VICINITY MAP



LEGEND

- Approximate Boring Location
- Approximate Test Pit Location
- Corrosivity Sample Locations
- R-Value Sample Locations

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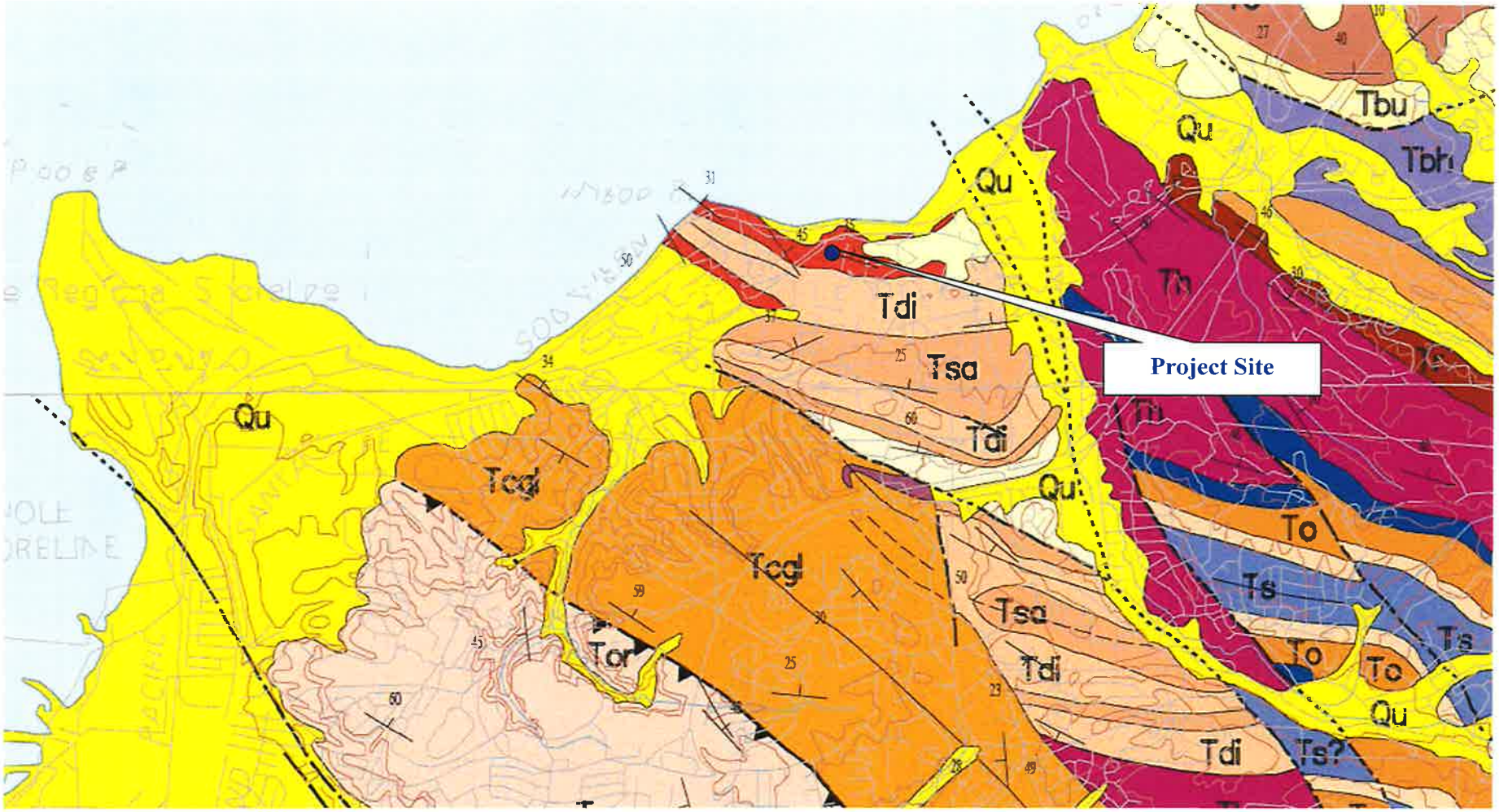
Project No. VV3967
Pinole Shores Commercial Project
836 San Pablo Ave., Pinole, CA
Figure 2 – SITE PLAN



Preliminary Geologic Map Emphasizing Bedrock Formations in Contra Costa County, California
Compiled by R.W. Graymer, D.L. Jones, and E.E. Brabb

1994

Tr – Rodeo shale Tdi – Diatomite Tsa – Sandstone

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707-447-4025

Project No. VV3967
Proposed Fill Site & Future Commercial Development
836 San Pablo Ave., Pinole, CA
Figure 3 – GEOLOGIC MAP

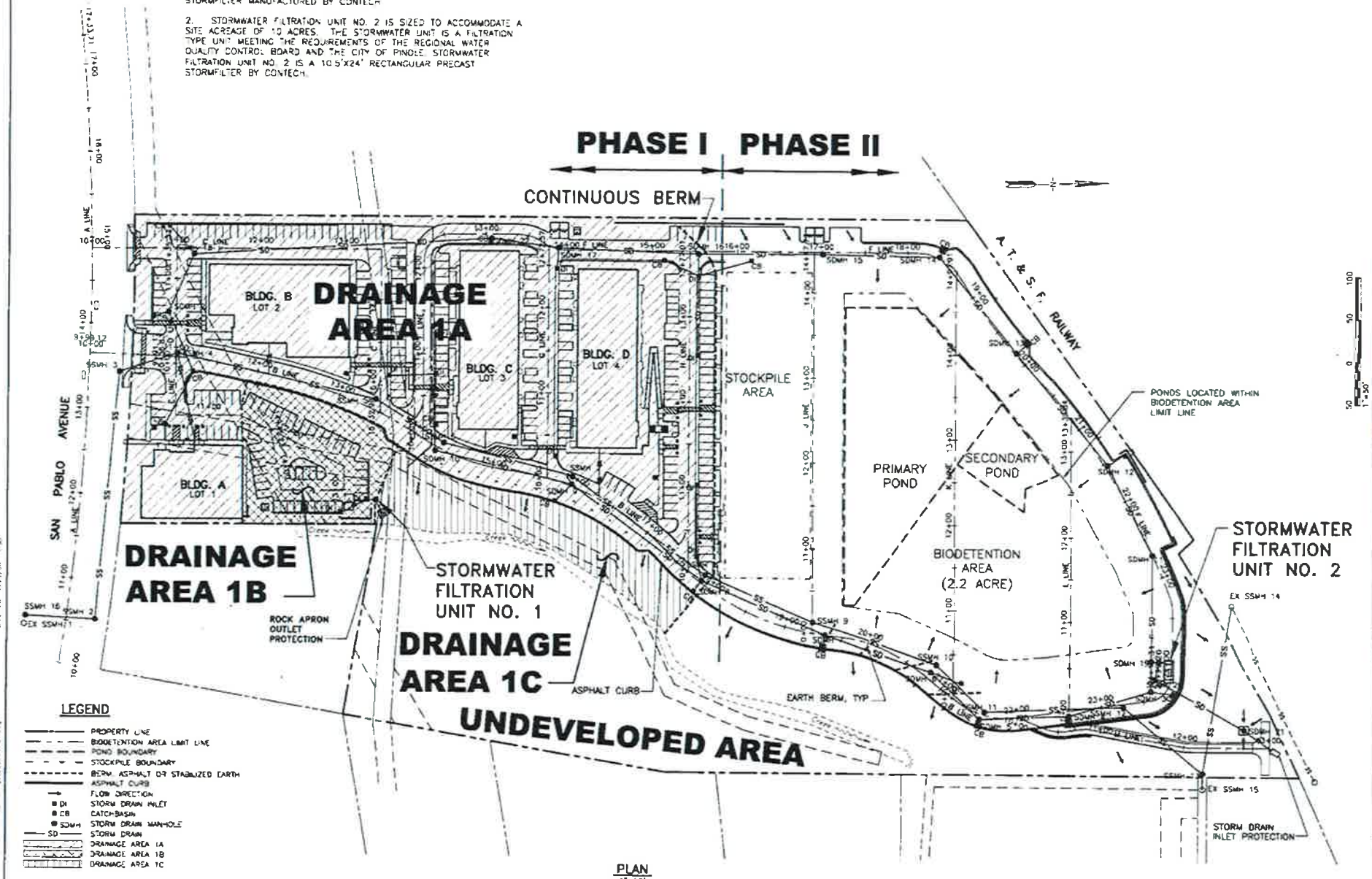
NOTES:

1. STORMWATER FILTRATION UNIT NO. 1 IS SIZED TO ACCOMMODATE A SITE ACREAGE OF 0.5 ACRES. THE STORMWATER MANHOLE UNIT IS A FILTRATION TYPE UNIT AND MEETING THE REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD AND THE CITY OF PINOLE. STORMWATER FILTRATION UNIT NO. 1 IS A PRECAST 72" MANHOLE STORMFILTER MANUFACTURED BY CONTECH.

2. STORMWATER FILTRATION UNIT NO. 2 IS SIZED TO ACCOMMODATE A SITE ACREAGE OF 10 ACRES. THE STORMWATER UNIT IS A FILTRATION TYPE UNIT MEETING THE REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD AND THE CITY OF PINOLE. STORMWATER FILTRATION UNIT NO. 2 IS A 10.5'X24' RECTANGULAR PRECAST STORMFILTER BY CONTECH.

3. AREA 1A IS THE PHASE 1 DEVELOPED AREA LESS AREA 1B AS SHOWN BELOW.

4. AREA 1C SLOPES DIRECTLY TO THE CREEK.



PLAN

PANATTONI DEVELOPMENT COMPANY, LLC
PINOLE SHORES DEVELOPMENT

OPERATIONS AND MAINTENANCE PLAN

OMP-1

Scale: 1"=50'
Designed By: RKL
Drawn By: A.V., DDL
Project No: 98052-01
Checked By: MJ
Date: 09/07/07

AMWEST INC.
Consulting Engineers
2005 Railroad Parkway
Suite 201
Hollister, California 95023

LOG OF TEST BORING
BORING NO.: 1

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Brown Sandy CLAY; dry, stiff. (FILL)	CL				
	1-1			Brown Sand CLAYSTONE, highly weathered, weak, closely fractured. (NATIVE)	Rx	53	82.5	33.9	LL=68% PI=37
5									
	1-2					50-6"	81.3	22.5	
				Boring Terminated @ 7.5'. No Groundwater Encountered.					
10									
15									
20									
25									

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 4

LOG OF TEST BORING
BORING NO.: 2

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Brown Sandy CLAY; dry to moist, hard, mixed w/ rock fragments. (FILL)	CL				
	2-1					50-4"	82.8	32.6	
				Brown SANDSTONE, weathered, weak. (NATIVE)	Rx				
5									
	2-2					50-5"			
				Boring Terminated @ 8'. No Groundwater Encountered.					
10									
15									
20									
25									

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 5

LOG OF TEST BORING
BORING NO.: 3

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽ 15'

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Dark Brown Sandy CLAY w/ Claystone Rock Fragments; moist, stiff. (FILL)	CH				
	3-1					15	91.2	26.7	LL=54% PI=31
5	3-2			As Above.		18	92.8	26.6	UCC=4345 psf Qp=4.0 tsf
10	3-3			Dark Brown CLAY w/ Shale Fragments, very moist, stiff. (FILL)	CH	13			Qp=3.0 tsp <200=55%
15				Black Gravelly CLAY; wet, stiff, gravels to 1/2". (NATIVE) ▽	CL/ CH				
20	3-4			Light Yellowish Brown CLAYSTONE/ SHALE, weak, highly weathered.	Rx	24	50	77.3	
25	3-5			As Above.		17			
				Boring Terminated @ 26.5'. Groundwater Encountered @ 15'.					

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 6

LOG OF TEST BORING
BORING NO.: 4

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽ 24'

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▽: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Brown & Black Sandy CLAY mixed w/ Claystone Fragments; dry to moist, very stiff. (FILL)	CL				
	4-1					26	68.3	47.4	
5				Dark Sandy CLAY w/ some Claystone inclusions; moist, stiff. (NATIVE)	CH				
	4-2					16	88.4	31.0	UCC=2507 psf Qp=2.5 tsf
10									
15	4-3			As Above.		16	83.4	32.7	
20									
25				▽ Brown CLAYSTONE/SHALE/DIATOMITE, highly weathered & fractured.	Rx				
	4-4					18	70.8	48.1	
				Boring Terminated @ 26.5'. Groundwater Encountered @ 24'.					

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 7

LOG OF TEST BORING
BORING NO.: 5

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽ :

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL ▼ : AFTER: hrs.

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Mottled Brown Silty Sandy CLAY w/ Diatomite Fragments; moist, very stiff. (FILL)	CL				
	5-1					23	70.4	52.3	c=2,858 psf Ø=22°
5									
				Light Yellowish Brown CLAYSTONE/DIATOMITE; moist, highly weathered & fractured, weak.	Rx				
	5-2					30	64.3	56.9	
10									
15	5-3			As Above.		39			
				Boring Terminated @ 16.5'. No groundwater encountered.					
20									
25									

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 8

LOG OF TEST BORING
BORING NO.: 6

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0	6-1			Dark Brown CLAY mixed w/ Claystone Fragments; moist, very stiff. (FILL)	CH	28	79.5	24.7	LL=62% PI=34 UCC=5008 psf
	6-1A								
5	6-2			Light Brown CLAYSTONE, highly weathered. (BOULDER FILL)	Rx	22			
				Dark Brown Sandy CLAY mixed w/ Claystone Fragments; very moist, firm. (FILL)	CL				
10	6-3					8			<200=47%
15									
20	6-4			As Above. (FILL)		16	90.1	28.2	Qp=2.75 tsf <200=53%
25				Brown CLAYSTONE, highly weathered, weak.	Rx				

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 9

LOG OF TEST BORING
BORING NO.: 6

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
	6-5					19			
30				Boring Terminated @ 29.5'. No Groundwater Encountered.					
35									
40									
45									
50									
55									

This information pertains only to this boring and is not necessarily indicative of the whole site.

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Figure 9

LOG OF TEST BORING
BORING NO.: 7

PROJECT: Pinole Shores Commercial Project
CLIENT: Kiewit
LOCATION: 836 San Pablo, Pinole
DRILLER: Britton Exploration
DRILL RIG: CME 55
DEPTH TO WATER: INITIAL ▽

PROJECT NO.: VV3967
DATE: 09/07/16
ELEVATION: n/a
LOGGED BY: DVC
BORING DIAMETER: 5"
FINAL: ▼: AFTER: HRS

DEPTH	SAMPLE NO.	SAMPLER	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	ADDITIONAL TESTS AND REMARKS (LL, PI, UCC, ø&c, Gradation)
0				Brown Silty CLAY mixed w/ Claystone Fragments; dry to moist, very stiff. (FILL)	CH				
	7-1					22	72.5	45.1	
5				Dark Brown CLAY; moist, stiff. (NATIVE)	CL				
	7-2					50-5"			
10									
	7-3			As Above.		62			
15				Boring Terminated @ 15. No Groundwater Encountered.					
20									
25									

This information pertains only to this boring and is not necessarily indicative of the whole site.

KC ENGINEERING CO.

Figure 10

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025 fax 447-4143

8798 Airport Road
Redding, California 96002
(530) 222-0832 fax 222-1611

KC ENGINEERING COMPANY
A SUBSIDIARY OF MATERIALS TESTING, INC.

TEST PIT LOG

Client: Kiewit Infrastructure West Co.
4650 Business Center Drive
Fairfield, CA 94534

Project No: VV3967
Date of Test Pits: 7 September 2016

Project: Pinole Shores Commercial Project
836 San Pablo Avenue
Pinole, CA

TEST PIT No.	DEPTH (feet)	USCS	DESCRIPTION
TP-1	0 – 4'	GM/MH	Light Brown Clayey SILT & Diatomite Fragments; moist, stiff. (FILL) (LL=89%, PI=34, EI=25)
	4 – 6.5'	CH	Dark Brown Silty CLAY; very moist, stiff. (NATIVE)
	6.5 – 8'	Rx	Light Yellowish Brown CLAYSTONE, highly weathered & fractured, weak, seepage @ 7.5'.
TP-2	0 – 8'	GM/MH	Light Brown Clayey SILT & Diatomite & Claystone Fragments; loose, dry to moist. (STOCKPILE) (LL=89%, PI=34, EI=25)
TP-3	0 – 8'	CL	Light Brown & Dark Brown Sandy CLAY w/ Mudstone Rock Fragments; moist, top 1' loose then stiff. (FILL)
TP-4	0 – 2.5'	Rx	Yellowish Brown SILTSTONE, highly weathered, weak, fractured.

TP-5	0 – 3.5'	CL	Light to Dark Brown CLAY & MUDSTONE Rock Fragments; dry to moist, firm to stiff. (FILL)
	3.5 – 7'	Rx	Light Brown CLAYSTONE, highly weathered, weak. (NATIVE)
TP-6	0 – 7.5'	CL	Light Brown Sandy CLAY w/ Mudstone & Dolomite Rock Fragments; top 2' loose then stiff & moist. (FILL)
	7.5 – 9'	CH	Dark Brown Silty CLAY w/ some rock fragments; very moist, stiff. (NATIVE)

Note: Groundwater Encountered During the Field Exploration.

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS More than half of material is retained on the No. 200 Sieve	GRAVEL More than half of coarse fraction is larger than No. 4 sieve	Clean gravels (<5% fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines (Cu>4 & 1<Cc<3)
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines (Cu < 4 and/or 1>Cc>3)
		Gravel with fines (>12% fines)	GM	Silty gravels and gravel-sand-silt mixtures (PI<4 or below "A" line)
			GC	Clayey gravels and gravel-sand-clay mixtures (PI>7 & on or above "A" line)
	SAND Half or more of the coarse fraction is smaller than No. 4 sieve	Clean sands (<5% fines)	SW	Well graded sands, gravelly sands, little or no fines (Cu>6 & 1<Cc<3)
			SP	Poorly graded sands, gravelly sands, little or no fines (Cu<6 and/or 1>Cc>3)
		Sand with fines (>12% fines)	SM	Silty sands and gravel-sand-silt mixtures (PI<4 or below "A" line)
			SC	Clayey sands and gravel-sand-clay mixtures (PI>7 & on or above "A" line)
FINE GRAINED SOILS Half or more of the material passes the No. 200 Sieve	SILTS AND CLAYS Liquid Limit is less than 50%		ML	Inorganic silts with gravel and sand having slight plasticity (PI<4 or below "A" line)
			CL	Inorganic clays of low to med. plasticity with gravel and sand (PI>7 & on or above "A" line)
			OL	Organic silts and clays of low plasticity
	SILTS AND CLAYS Liquid Limit is 50% or more		MH	Inorganic elastic silts (PI below "A" line)
			CH	Inorganic clays of high plasticity, fat clays (PI on or above "A" line)
			OH	Organic silts and clays of medium to high plasticity
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils

MTI-KC ENGINEERING COMPANY
865 Cotting Lane, Ste A, Vacaville, CA 95688
8798 Airport Road, Redding, CA 96002

SAMPLER AND LAB TESTING LEGEND

- Auger
- Bulk Sample, taken from auger cuttings
- California Sampler
- Bulk/Grab Sample
- Pitcher
- Standard Penetration Test
- Shelby Tube
- No Recovery

LL=Liquid Limit (%)
PI=Plasticity Index
¦ =Friction Angle
C=Cohesion
UCC=Unconfined Compression
R value=Resistance Value
Consol=Consolidation Test

SOIL GRAIN SIZE

U.S. STANDARD SIEVE OPENINGS

CLAY	SILT	SAND			GRAVEL		COBBLES	BOULDERS
		FINE	MEDIUM	COARSE	FINE	COARSE		

#200 (0.075), #40 (0.425), #10 (2.00), #4 (4.75), ¾" (19.0), 3" (75), 12" (300); CLAY 0.002

SOIL GRAIN SIZE IN MILLIMETERS

RELATIVE DENSITY (Coarse-grained soils)

SANDS & GRAVELS	BLOWS/FOOT[1]
Very Loose	0 – 4
Loose	4 – 10
Medium Dense	10 – 30
Dense	30 – 50
Very Dense	> 50

CONSISTENCY (Fine-grained soils)

SILTS & CLAYS	STRENGTH[2]	BLOWS/FOOT[1]
Very Soft	< 500	0 – 2
Soft	500 – 1,000	2 – 4
Firm	1,000 – 2,000	4 – 8
Stiff	2,000 – 4,000	8 – 15
Very Stiff	4,000 – 8,000	15 – 30
Hard	> 8,000	>30

1 – Number of blows of 140 pound hammer falling 30 inches to drive a 2-inch O.D. split spoon sampler (ASTM D1586)
2 – Unconfined compressive strength in lb/ft^2 as determined by lab testing or approximated by the standard penetration test (ASTM D1586) or pocket penetrometer.

WEATHERING (Bedrock)

Fresh	No visible sign of decomposition or discoloration; rings under hammer impact
Slightly weathered	Slight discoloration inwards from open fractures; little or no effect on normal cementation; otherwise similar to Fresh
Moderately weathered	Discoloration throughout; weaker minerals decomposed; strength somewhat less than fresh rock but cores can not be broken by hand or scraped with knife; texture preserved; cementation little to not affected; fractures may contain filling
Highly weathered	Most minerals somewhat decomposed; specimens can be broken by hand with effort or shaved with knife; texture becoming indistinct but fabric preserved; faint fractures
Completely weathered	Minerals decomposed to soil but fabric and structure preserved; specimens can be easily crumbled or penetrated

STRENGTH (Bedrock)

Plastic	Very low strength
Friable	Crumbles easily by rubbing with fingers
Weak	An unfractured specimen will crumble under light hammer blows
Moderately strong	Specimen will withstand a few heavy hammer blows before breaking
Strong	Specimen will withstand a few heavy ringing blows and will yield with difficulty only dust and small flying fragments
Very strong	Specimen will resist heavy ringing hammer blows and will yield with difficulty only dust and small flying fragments

BEDDING (Bedrock)	SPACING (inches)
Very thickly bedded	> 48
Thickly bedded	24 to 48
Thin bedded	2.5 to 24
Very thin bedded	5/8 to 2.5
Laminated	1/8 to 5/8
Thinly laminated	<1/8

FRACTURING (Bedrock)	SPACING (inches)
Very little fractured	> 48
Occasionally fractured	12 to 48
Moderately fractured	6 to 12
Closely fractured	1 to 6
Intensely fractured	5/8 to 1
Crushed	<5/8

Materials Testing, Inc.

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(707) 447-4025, fax 447-4143

Client: Kiewit Infrastructure West Inc.
4650 Business Center Drive
Fairfield, CA 94534

Client No.: VV3967-004
Report No.: 0300-001
Date: 09/21/16

Project: 836 San Pablo Avenue
Pinole, California

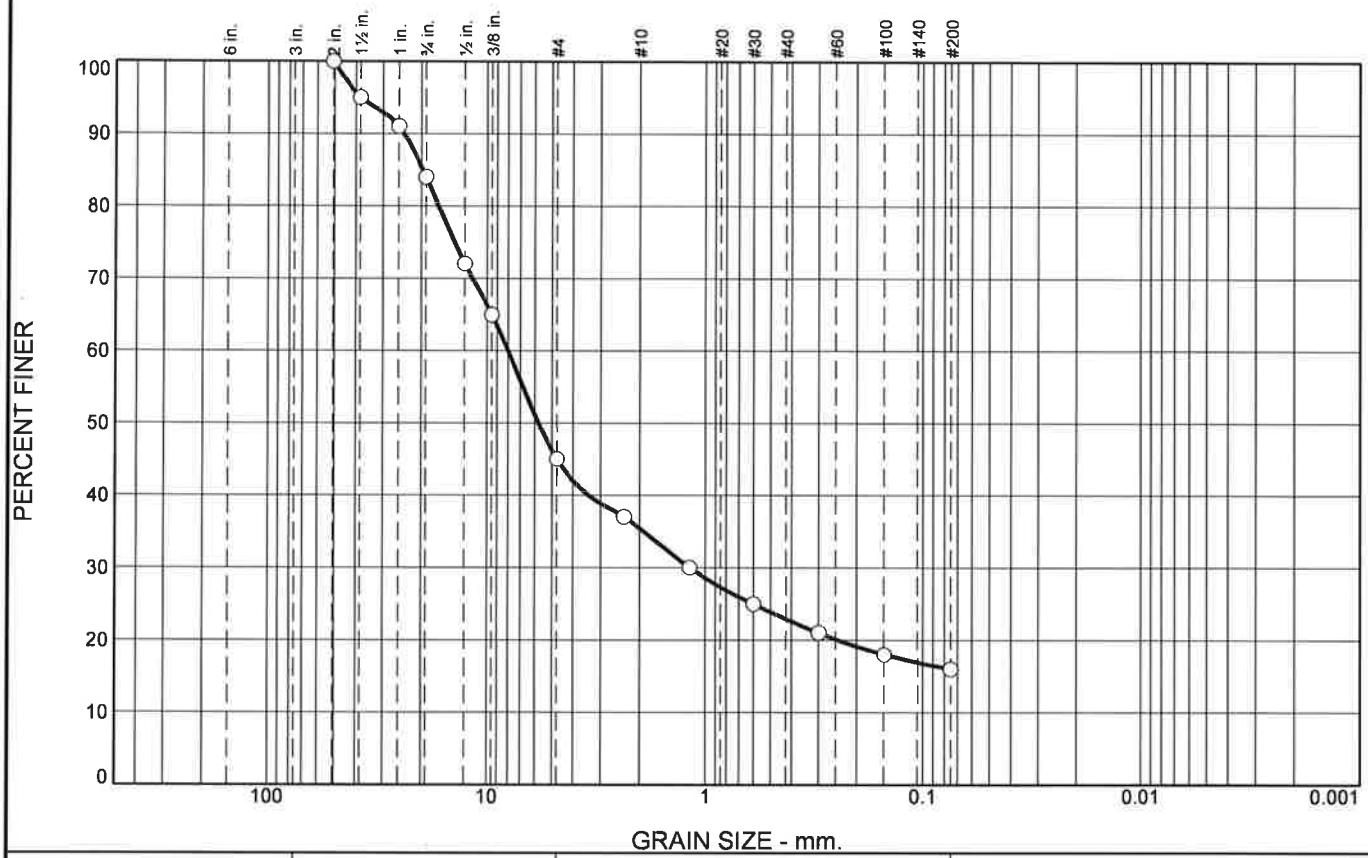
Submitted by: KC Engineering
Submitted Date: 09/09/16

Density of Soil in Place by the Drive-Cylinder Method (ASTM D2937) and Liquid Limit, Plastic Limit & Plasticity Index of Soils (ASTM D4318)

Sample #	Description	Dry Density p.c.f.	Moisture Content %	Liquid Limit	Plastic Limit	Plastic Index
Composite TP1 @ 0-4.0' & TP2 @ 0-7.0'	Light Brown Clayey Silt with Claystone Gravels (visual)	---	---	89	55	34
1-1 @ 3.0'	Brown Sandy Claystone (visual)	82.5	33.9	68	31	37
1-2 @ 7.0'	Brown Sandy Claystone (visual)	81.3	22.5	---	---	---
2-1 @ 2.5'	Yellowish Brown Sandy Clay (visual)	82.8	32.6	---	---	---
3-1 @ 2.0'	Brown Sandy Clay (visual)	91.2	26.7	54	23	31
3-2 @ 6.0'	Dark Brown Sandy Clay (visual)	92.8	26.6	---	---	---
3-4 @ 21.0'	Light Brown Claystone (visual)	50.0	77.3	---	----	---
4-1 @ 3.0'	Yellowish Brown Sandy Clay (visual)	68.3	47.4	---	---	---
4-2 @ 9.0'	Dark Brown Sandy Clay (visual)	88.4	31.0	---	---	---
4-3 @ 16.0'	Dark Brown Sandy Clay (visual)	83.4	32.7	---	---	---

Sample #	Description	Dry Density p.c.f.	Moisture Content %	Liquid Limit	Plastic Limit	Plastic Index
4-4 @ 26.0'	Dark Brown Claystone / Diatomite (visual)	70.8	48.1	---	---	---
5-1 @ 2.5'	Brown Sandy Clay with Gravel (visual)	70.4	52.3	---	---	---
5-2 @ 9.0'	Light Brown Sandy Claystone / Diatomite (visual)	64.3	56.9	---	---	---
6-1 @ 1.0'	Light Brown Sandy Clay (visual)	79.5	24.7	---	---	---
6-1A @ 1.0 - 3.0'	Strong Brown Sandy Clay with Gravel (visual)	---	---	62	28	34
6-2 @ 6.0'	Light Brown Claystone (visual)	58.3	58.8	---	---	---
6-4 @ 19.0'	Dark Brown Sandy Clay with Gravel (visual)	90.1	28.2	---	---	---
7-1 @ 4.0'	Dark Brown Clay (visual)	72.5	45.1	---	---	---

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	16	39	10	12	7	16	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100		
1-1/2"	95		
1"	91		
3/4"	84		
1/2"	72		
3/8"	65		
#4	45		
#8	37		
#16	30		
#30	25		
#50	21		
#100	18		
#200	16		

* (no specification provided)

Material Description

Light Brown Clayey Silt w/ Claystone Gravels (visual)

Atterberg Limits

PL= 55 LL= 89 PI= 34

Coefficients

D_{90}= 24.0463 D_{85}= 19.7121 D_{60}= 7.9978
D_{50}= 5.7765 D_{30}= 1.1800 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= GM / MH AASHTO= A-2-7(0)

Remarks

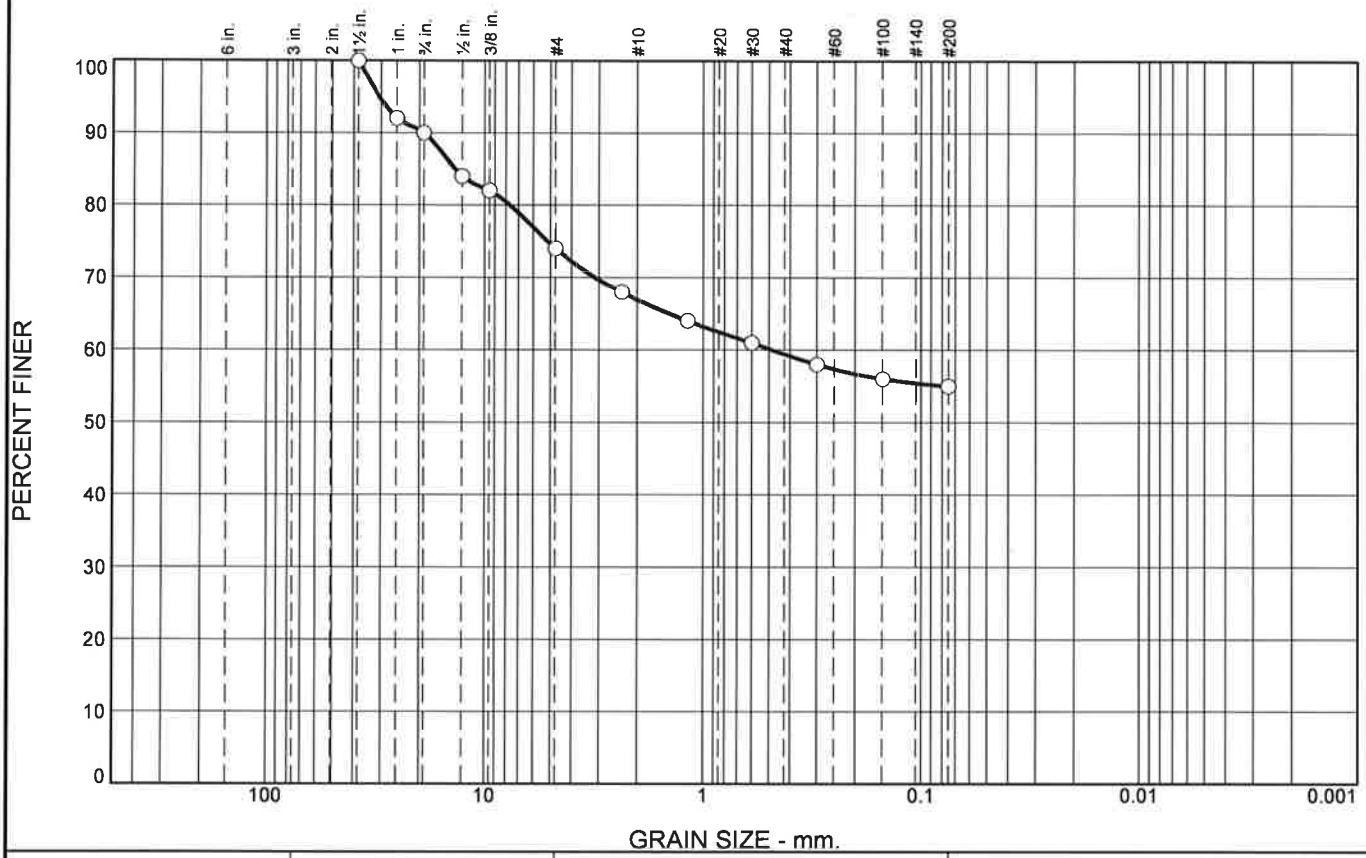
Sieve tested in accordance with ASTM D6913.
Atterberg Limits tested in accordance with ASTM D4318.

Location: TP1 & TP2 (Composite)
Sample Number: 1 **Depth:** 0.0' - 7.0' **Date:** 09/21/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: 836 San Pablo Avenue
Pinole, CA
Project No: VV3967-004 **Figure** 0300-002

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	10	16	7	8	4	55	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1-1/2"	100		
1"	92		
3/4"	90		
1/2"	84		
3/8"	82		
#4	74		
#8	68		
#16	64		
#30	61		
#50	58		
#100	56		
#200	55		

* (no specification provided)

Material Description

Dark Brown Sandy Clay with Gravel (visual)

Atterberg Limits

PL= -- LL= --- PI= ---

Coefficients

D_{90}= 19.0500 D_{85}= 13.6981 D_{60}= 0.4797
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

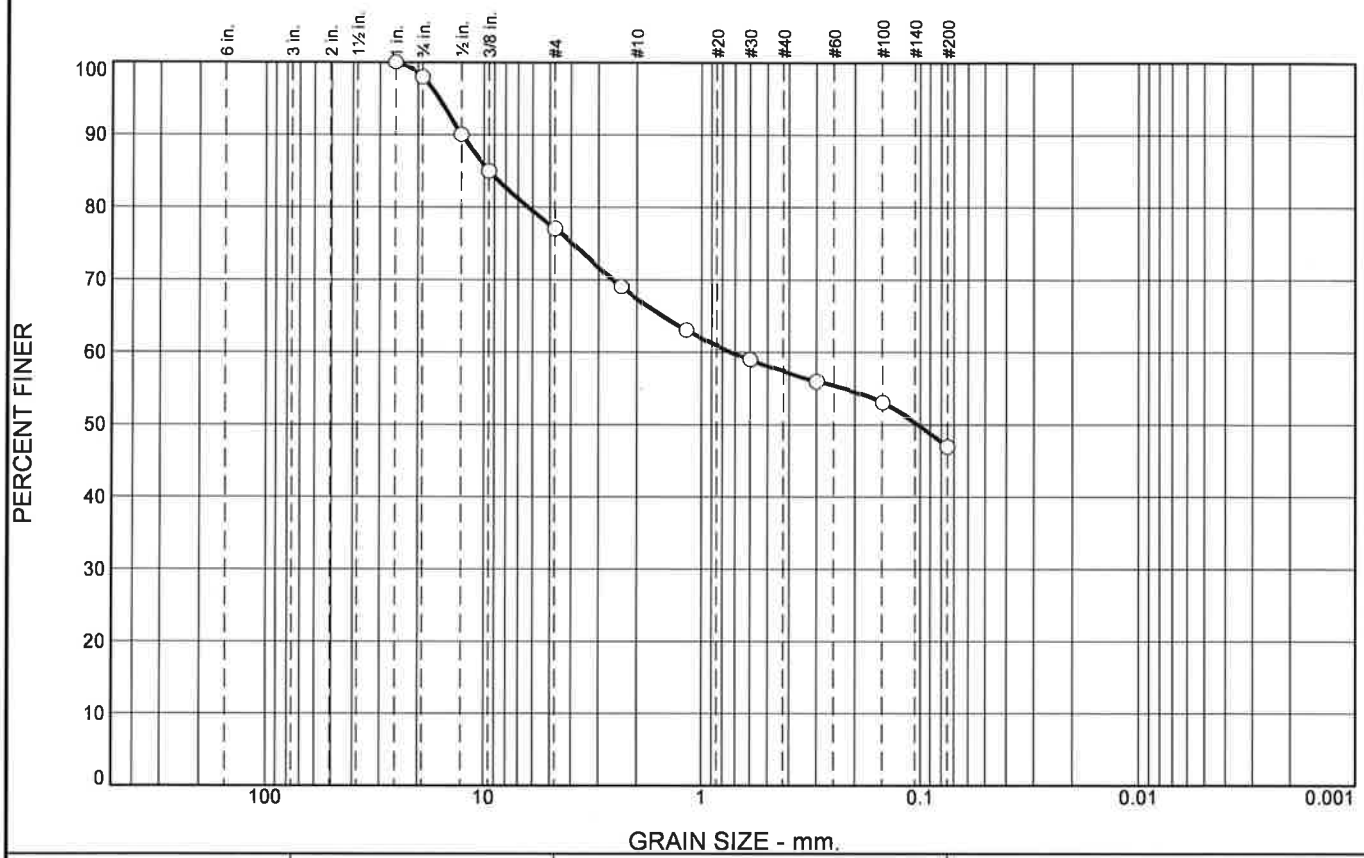
Material tested in accordance with ASTM D6913.

Location: 3-3
Sample Number: 9 **Depth:** 11.0' **Date:** 09/21/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: 836 San Pablo Avenue
Pinole, CA
Project No: VV3967-004 **Figure** 0300-003

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	2	21	10	10	10	47	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1"	100		
3/4"	98		
1/2"	90		
3/8"	85		
#4	77		
#8	69		
#16	63		
#30	59		
#50	56		
#100	53		
#200	47		

* (no specification provided)

Material Description

Dark Brown Clayey Sand with Gravel (visual)

Atterberg Limits

PL= --- LL= --- PI= ---

Coefficients

D_{90}= 12.7000 D_{85}= 9.5250 D_{60}= 0.7264
D_{50}= 0.1026 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SC AASHTO=

Remarks

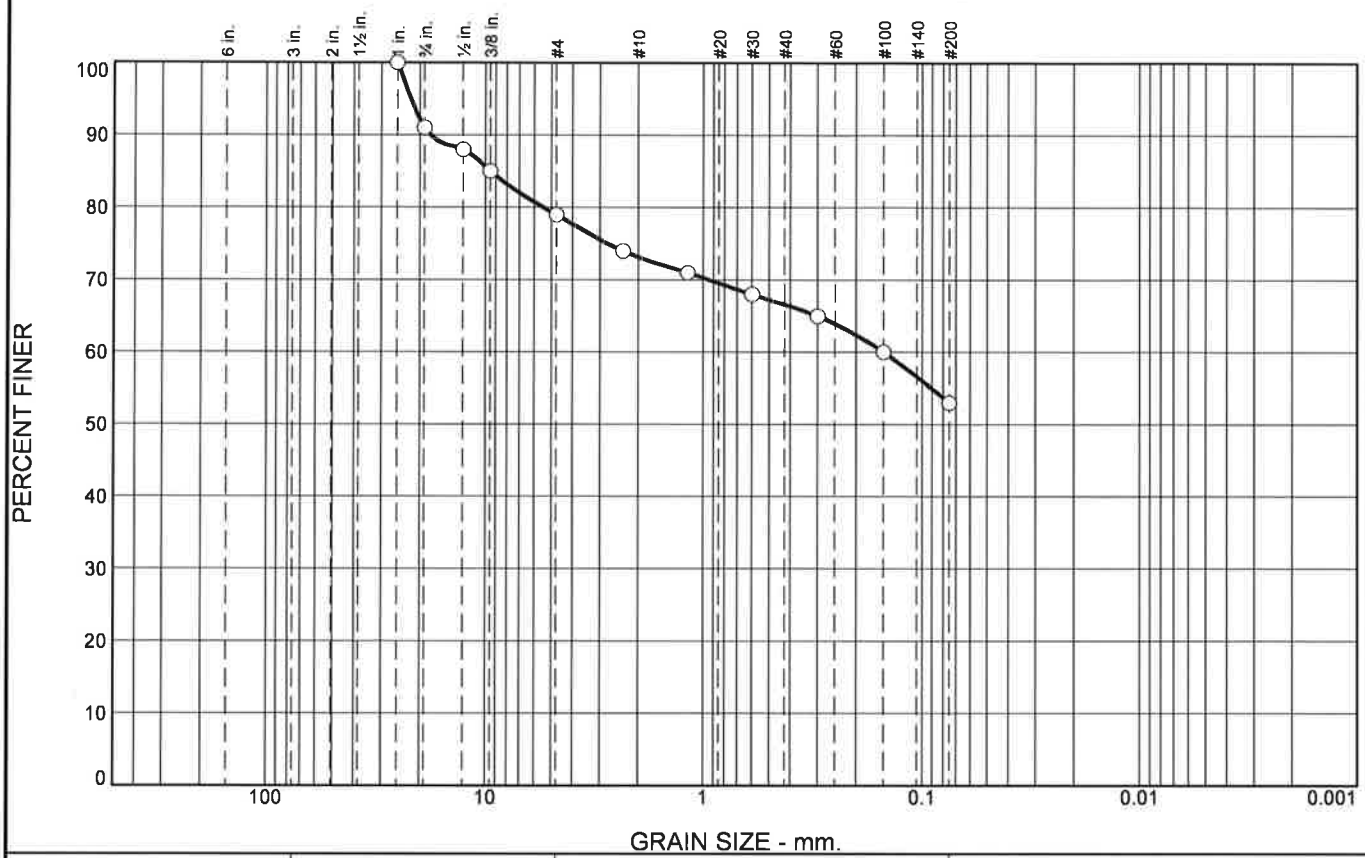
Material tested in accordance with ASTM D6913.

Location: 6-3
Sample Number: 20 **Depth:** 10.0'- 11.5' **Date:** 09/21/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: 836 San Pablo Avenue
Pinole, CA
Project No: VV3967-004 **Figure** 0300-004

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	9	12	6	6	14	53	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1"	100		
3/4"	91		
1/2"	88		
3/8"	85		
#4	79		
#8	74		
#16	71		
#30	68		
#50	65		
#100	60		
#200	53		

* (no specification provided)

Material Description

Dark Brown Sandy Clay with Gravel (visual)

Atterberg Limits

PL= --- LL= --- PI= ---

Coefficients

D_{90}= 17.9401 D_{85}= 9.5250 D_{60}= 0.1500
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

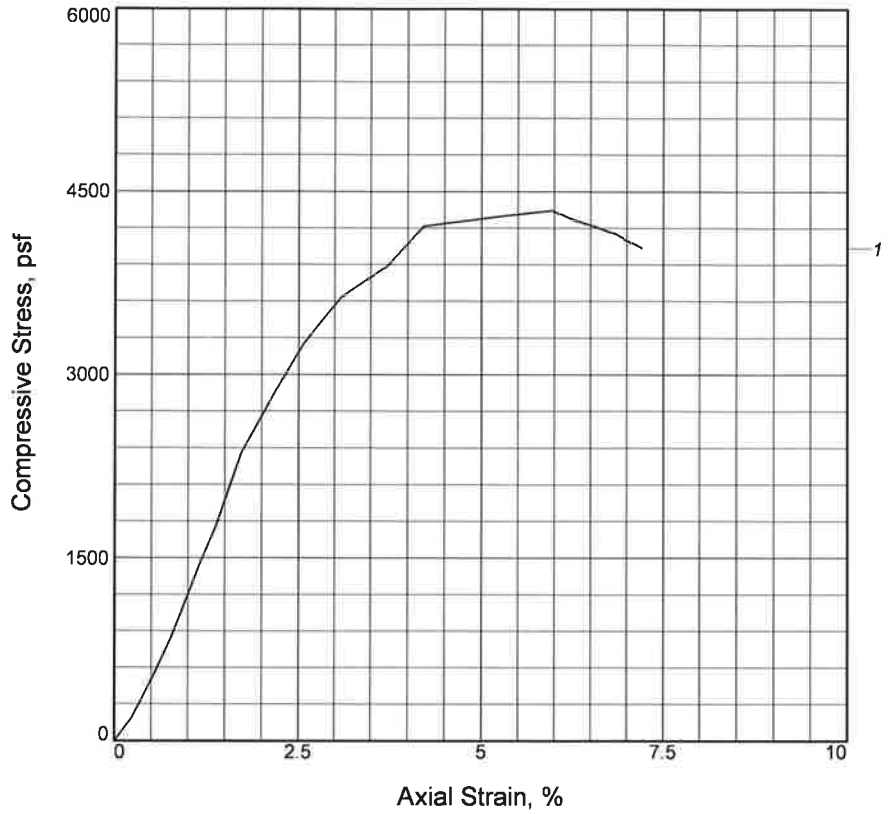
Material tested in accordance with ASTM D6913.

Location: 6-4
Sample Number: 21 **Depth:** 19.0' **Date:** 09/21/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: 836 San Pablo Avenue
Pinole, CA
Project No: VV3967-004 **Figure** 0300-005

UNCONFINED COMPRESSION TEST



Sample No.	1			
Unconfined strength, psf	4345			
Undrained shear strength, psf	2172			
Failure strain, %	6.0			
Strain rate, in./min.	N/A			
Water content, %	26.6			
Wet density, pcf	117.4			
Dry density, pcf	92.8			
Saturation, %	92.7			
Void ratio	0.7427			
Specimen diameter, in.	2.41			
Specimen height, in.	6.00			
Height/diameter ratio	2.49			

Description: Dark Brown Sandy Clay (visual)

LL = ---	**PL =**	**PI =** ---	**GS=** 2.59	**Type:** tube

Project No.: VV3967-004
Date Sampled: 09/07/16

Remarks:
Material tested in accordance with ASTM D2166.
Type of Failure: Bulge / Columnar

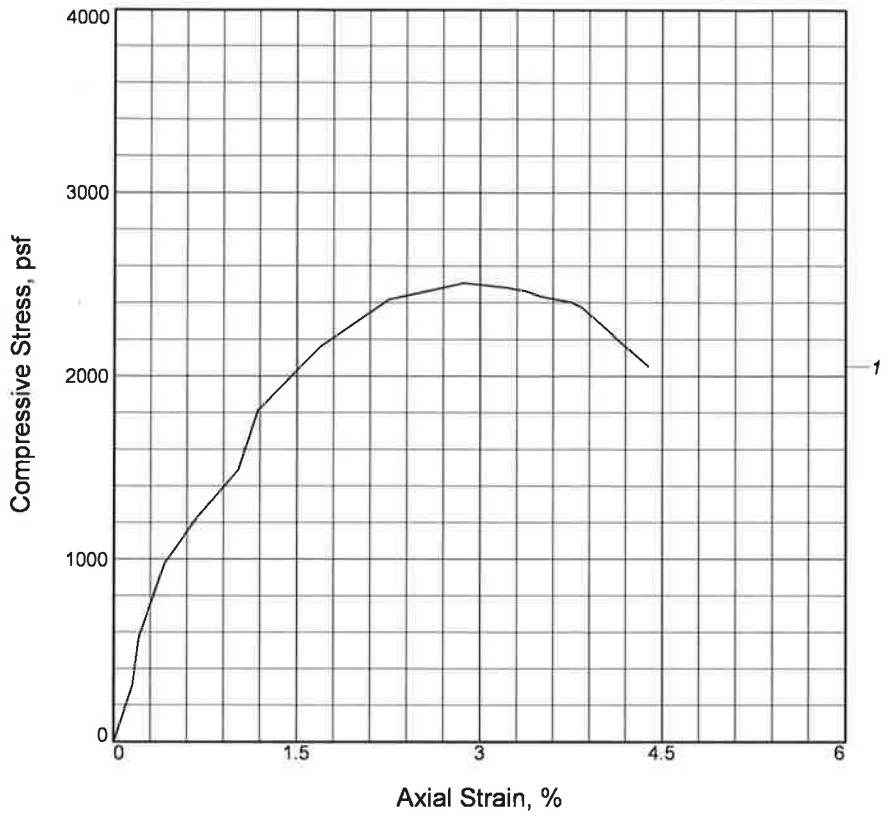
Figure 0300-006

Client: Kiewit Infrastructure West Inc.

Project: 836 San Pablo Avenue
Pinole, CA
Location: 3-2
Sample Number: 8 **Depth:** 6.0'

Materials Testing, Inc.

UNCONFINED COMPRESSION TEST



Sample No.	1			
Unconfined strength, psf	2507			
Undrained shear strength, psf	1254			
Failure strain, %	2.9			
Strain rate, in./min.	N/A			
Water content, %	31.0			
Wet density, pcf	115.8			
Dry density, pcf	88.4			
Saturation, %	101.2			
Void ratio	0.7660			
Specimen diameter, in.	2.41			
Specimen height, in.	6.00			
Height/diameter ratio	2.49			

Description: Dark Brown Sandy Clay (visual)

LL = ---	**PL =**	**PI =** ---	**GS=** 2.50	**Type:** tube

Project No.: VV3967-004
Date Sampled: 09/07/16

Remarks:
Material tested in accordance with ASTM D2166.
Type of Failure: Bulge / Shear

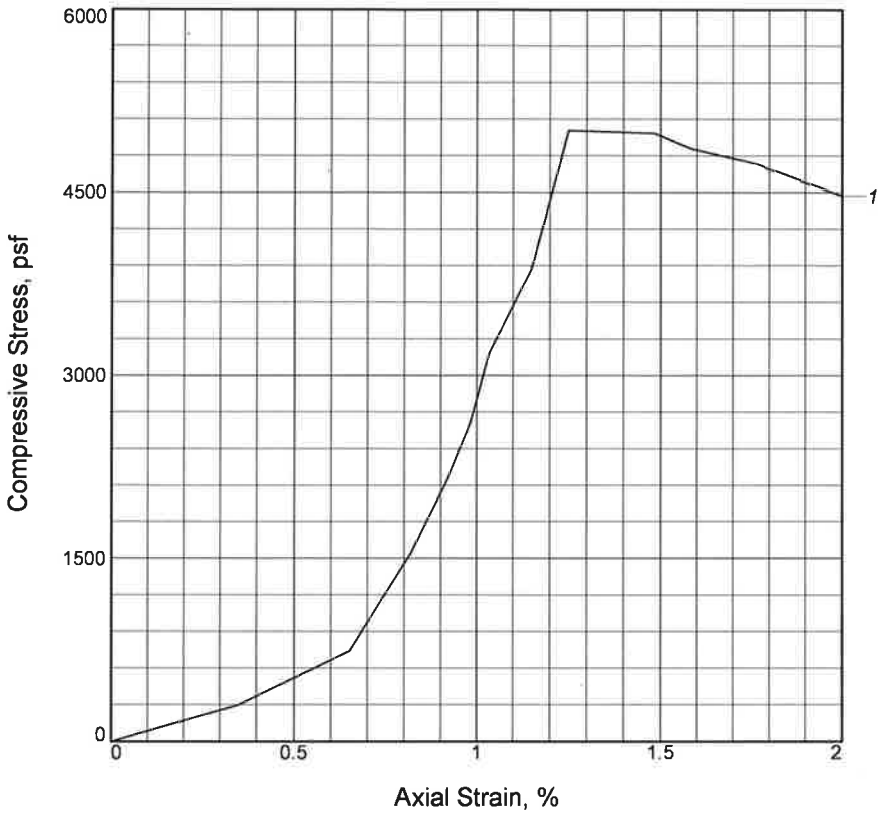
Figure 0300-007

Client: Kiewit Infrastructure West Inc.

Project: 836 San Pablo Avenue
Pinole, CA
Location: 4-2
Sample Number: 12 **Depth:** 9.0'

Materials Testing, Inc.

UNCONFINED COMPRESSION TEST



Sample No.	1			
Unconfined strength, psf	5008			
Undrained shear strength, psf	2504			
Failure strain, %	1.3			
Strain rate, in./min.	N/A			
Water content, %	24.7			
Wet density, pcf	99.1			
Dry density, pcf	79.5			
Saturation, %	61.7			
Void ratio	1.0422			
Specimen diameter, in.	2.41			
Specimen height, in.	6.00			
Height/diameter ratio	2.49			

Description: Light Brown Sandy Clay (visual)

LL = ---	**PL =**	**PI =** ---	**GS=** 2.60	**Type:** tube

Project No.: VV3967-004
Date Sampled: 09/07/16

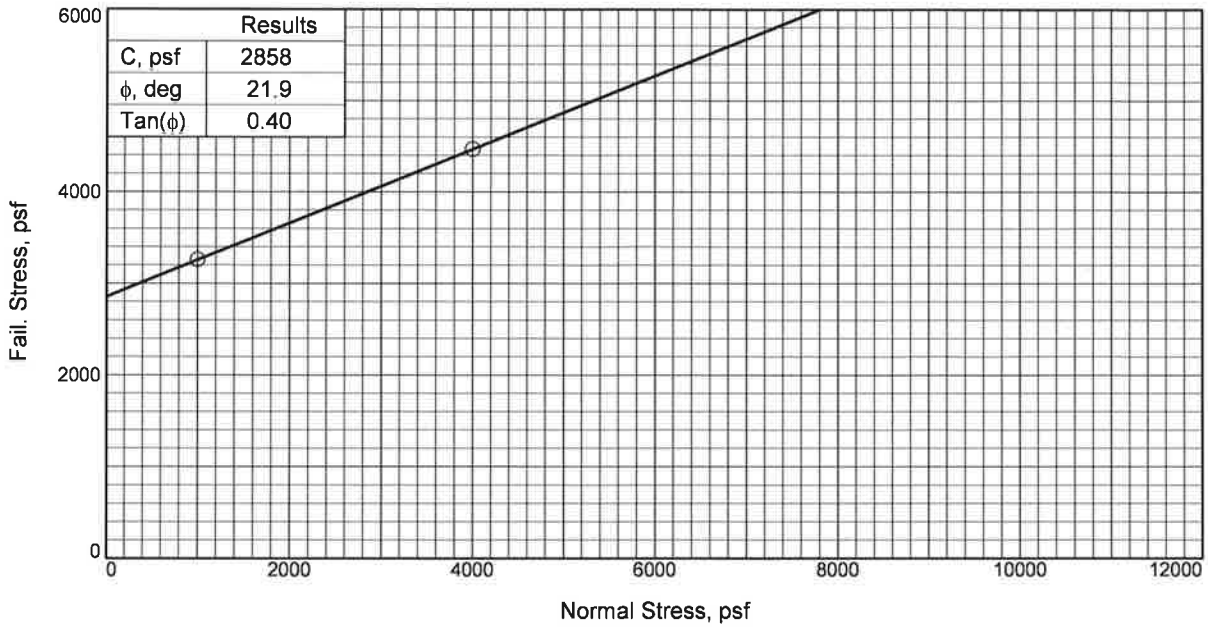
Remarks:
Material tested in accordance with ASTM D2166.
Type of Failure: Cone & Shear

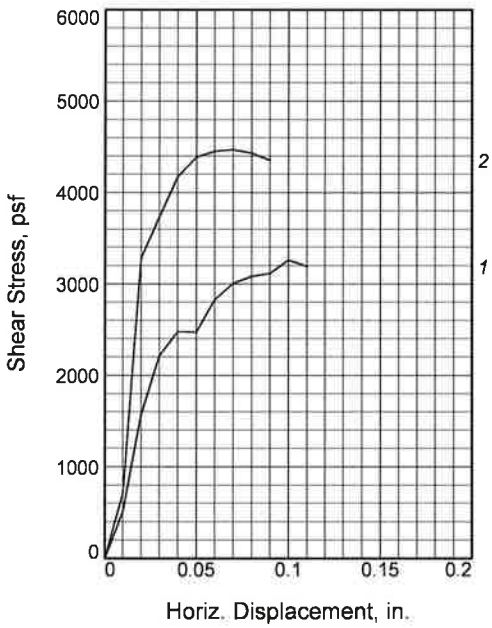
Figure 0300-008

Client: Kiewit Infrastructure West Inc.

Project: 836 San Pablo Avenue
Pinole, CA
Location: 6-1
Sample Number: 17 **Depth:** 1.0'

Materials Testing, Inc.





Sample No.		1	2
Initial	Water Content, %	52.3	52.3
	Dry Density, pcf	66.9	73.9
	Saturation, %	96.6	115.3
	Void Ratio	1.3815	1.1570
	Diameter, in.	2.41	2.41
	Height, in.	1.00	1.00
At Test	Water Content, %	62.8	52.8
	Dry Density, pcf	67.2	74.5
	Saturation, %	116.8	118.2
	Void Ratio	1.3725	1.1400
	Diameter, in.	2.41	2.41
	Height, in.	1.00	0.99
Normal Stress, psf		1000	4000
Fail. Stress, psf		3261	4470
Displacement, in.		0.10	0.07
Ult. Stress, psf			
Displacement, in.			
Strain rate, in./min.		0.00	0.00

Sample Type: tube
Description: Brown Sandy Clay with Gravel (visual)

Specific Gravity= 2.553
Remarks: Material tested in accordance with ASTM D3080

Figure 0300-009

Client: Kiewit Infrastructure West Inc.

Project: 836 San Pablo Avenue
Pinole, CA
Location: 5-1
Sample Number: 15 **Depth:** 2.5'
Proj. No.: VV3967-004 **Date Sampled:** 09/07/16

Materials Testing, Inc.

Materials Testing, Inc.

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(707) 447-4025, fax 447-4143

Client	Kiewit Infrastructure West Inc. 4650 Business Center Drive Fairfield, CA 94534	**Client No.** **Report No.** **Date:**	VV3967-004 0300-010 09/21/16
Project:	836 San Pablo Avenue Pinole, California	**Submitted By:** **Submitted Date:**	KC Engineering 09/09/16

EXPANSION INDEX
(ASTM D4829)

Sample #:	Composite - TP1 @ 0.0 - 4.0' & TP2 @ 0.0 - 7.0'
Soil Description:	Light Brown Clayey Silt with Claystone Gravels
Initial Moisture Content (%):	39.9
Moisture Content after Test (%):	69.4
Initial Dry Density (lb/ft^3):	54.6
After Test Wet Density (lb/ft^3):	92.5
Degree of Saturation (%):	51.9
Expansion Index:	25

Table 1 Classification of Potential Expansion of Soils Using EI (ASTM D4829-11)

Expansion Index, EI	Potential Expansion
0 - 20	Very Low
21 – 50	Low
51 – 90	Medium
91 – 130	High
>130	Very High

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Vacaville, California 95688
(707) 447-4025, fax 447-4143

Client:	Kiewit Infrastructure West Inc. 4650 Business Center Drive Fairfield, CA 94534	**Client No:** **Report No:** **Date:**	VV3967-004 0300-012 09/21/16
Project:	836 San Pablo Avenue Pinole, California	**Submitted By:** **Source:**	KC Engineering

"R" VALUE TEST REPORT
(CTM 301)

Sample:	2
Description:	Gray Clayey SILT with Claystone & Diatomite Gravels
Location:	Composite of Subgrade @ 0.0 - 3.0'

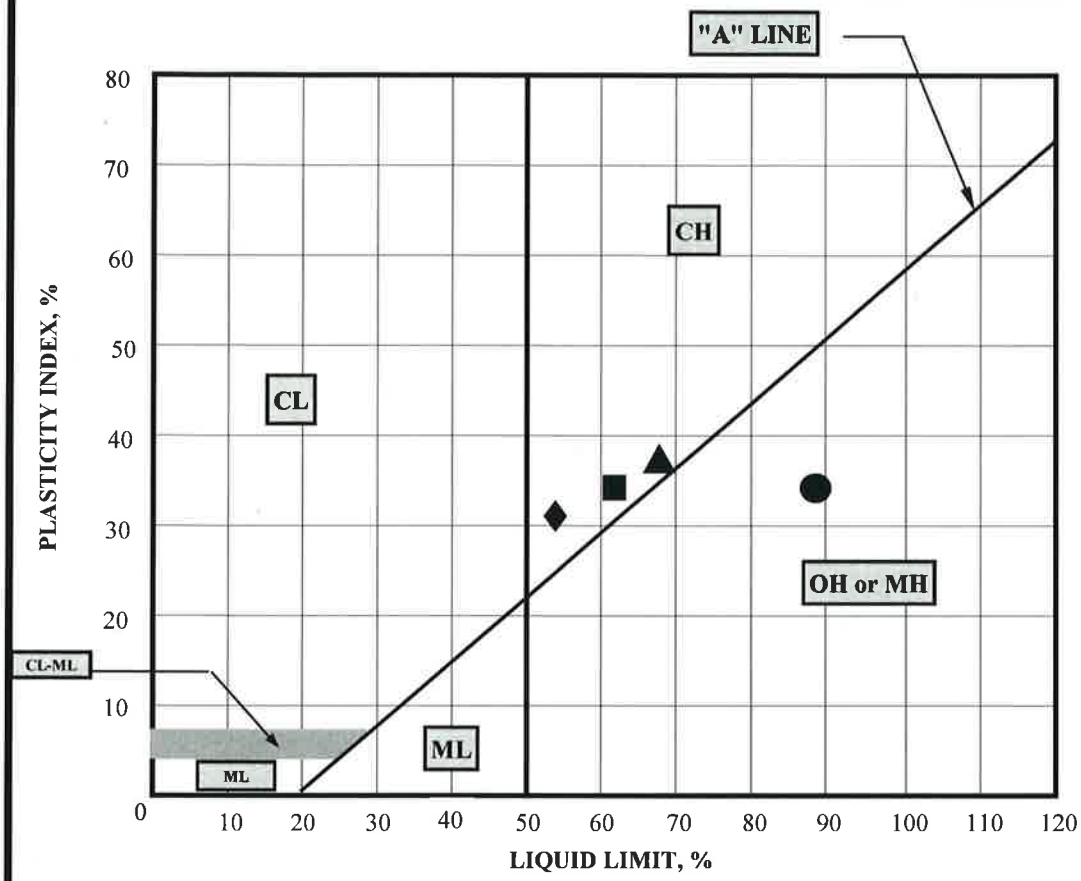
SIEVE ANALYSIS

Sieve Size	2"	1-1/2"	1"	3/4"	1/2"	3/8"	#4
"As Received" (Percent Pass)	100	98	94	87	77	72	59
"As Used" (Percent Pass)				100	89	83	68

RESISTANCE VALUE

Specimen Number	Dry Unit Weight, PCF	Moisture (%)	Exudation Pressure (PSI)	Expansion Pressure Dial Reading & PSF		R-Value
1	81.0	34.5	457	55	238	60
2	83.8	35.6	343	18	78	44
3	79.0	39.4	247	13	93	40

R-Value @ 300 PSI Exudation Pressure = 42



KEY SYMBOL	SAMPLE NUMBER	DEPTH	NATURAL MOISTURE CONTENT, %	LIQUID LIMIT, LL, %	PLASTIC LIMIT, PL, %	PLASTICITY INDEX, PI, %	LIQUIDITY INDEX	UNIFIED SOIL CLASSIFICATION SYMBOL
●	TP1&TP2	0.0'-7.0'	N/A	89	55	34	N/A	GM / MH
▲	1-1	3.0'	N/A	68	31	37	N/A	CH
◆	3-1	2.0'	N/A	54	23	31	N/A	CH
■	6-1A	1.0'-3.0'	N/A	62	28	34	N/A	CH

Materials Testing, Inc.

PLASTICITY CHART AND DATA

836 San Pablo Avenue
Pinole, California

Client No:	Date:	Report No:
VV3967-004	1/21/2016	0300-013

Sunland Analytical

11419 Sunrise Gold Circle, #10
Rancho Cordova, CA 95742
(916) 852-8557

Date Reported 09/16/2016
Date Submitted 09/12/2016

To: David Cymanski
K.C. Engineering
865 Cotting Lane Suite A
Vacaville, CA 95688

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : VV3967 836 SAN PABLO Site ID : PAD @ 0-5 FT.
Thank you for your business.

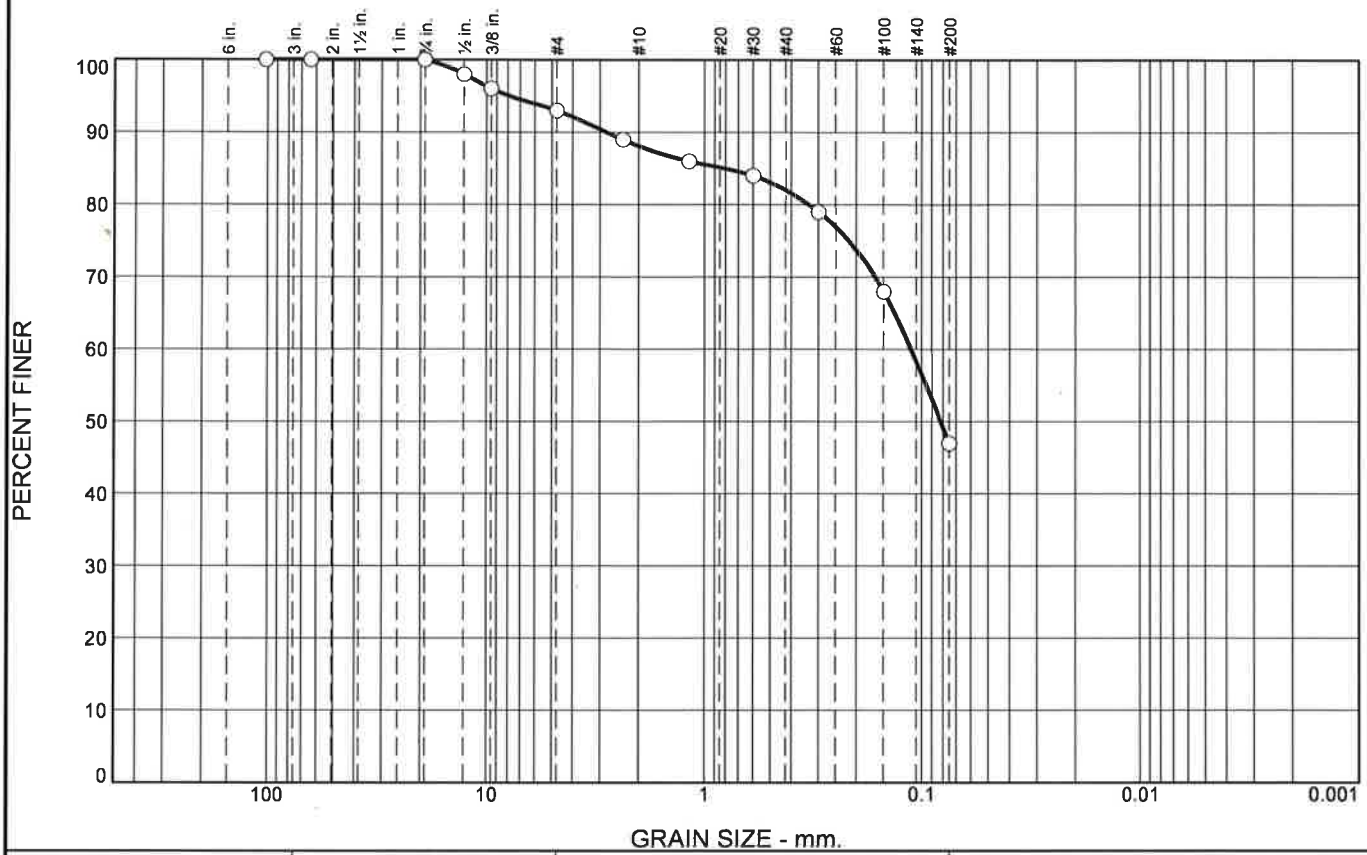
* For future reference to this analysis please use SUN # 72800-151980.

EVALUATION FOR SOIL CORROSION

Soil pH	5.11		
Minimum Resistivity	0.96 ohm-cm (x1000)		
Chloride	56.0 ppm	00.00560	%
Sulfate	186.0 ppm	00.01860	%

METHODS
pH and Min.Resistivity CA DOT Test #643
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	7	5	6	35	47	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100		
2-1/2"	100		
3/4"	100		
1/2"	98		
3/8"	96		
#4	93		
#8	89		
#16	86		
#30	84		
#50	79		
#100	68		
#200	47		

* Fill and Backfill Specifications (City of Pinole)

Material Description

Grayish Brown Clayey Sand

Atterberg Limits

PL= 18 LL= *50 (<40) PI= *32 (<12)

Coefficients

D_{90}= 2.7963 D_{85}= 0.8071 D_{60}= 0.1119
D_{50}= 0.0820 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SC AASHTO= ---

Remarks

Sieve tested in accordance with CTM 202.
Material meets grading requirements for Fill and Backfill specifications but does not meet Plasticity Index requirements.

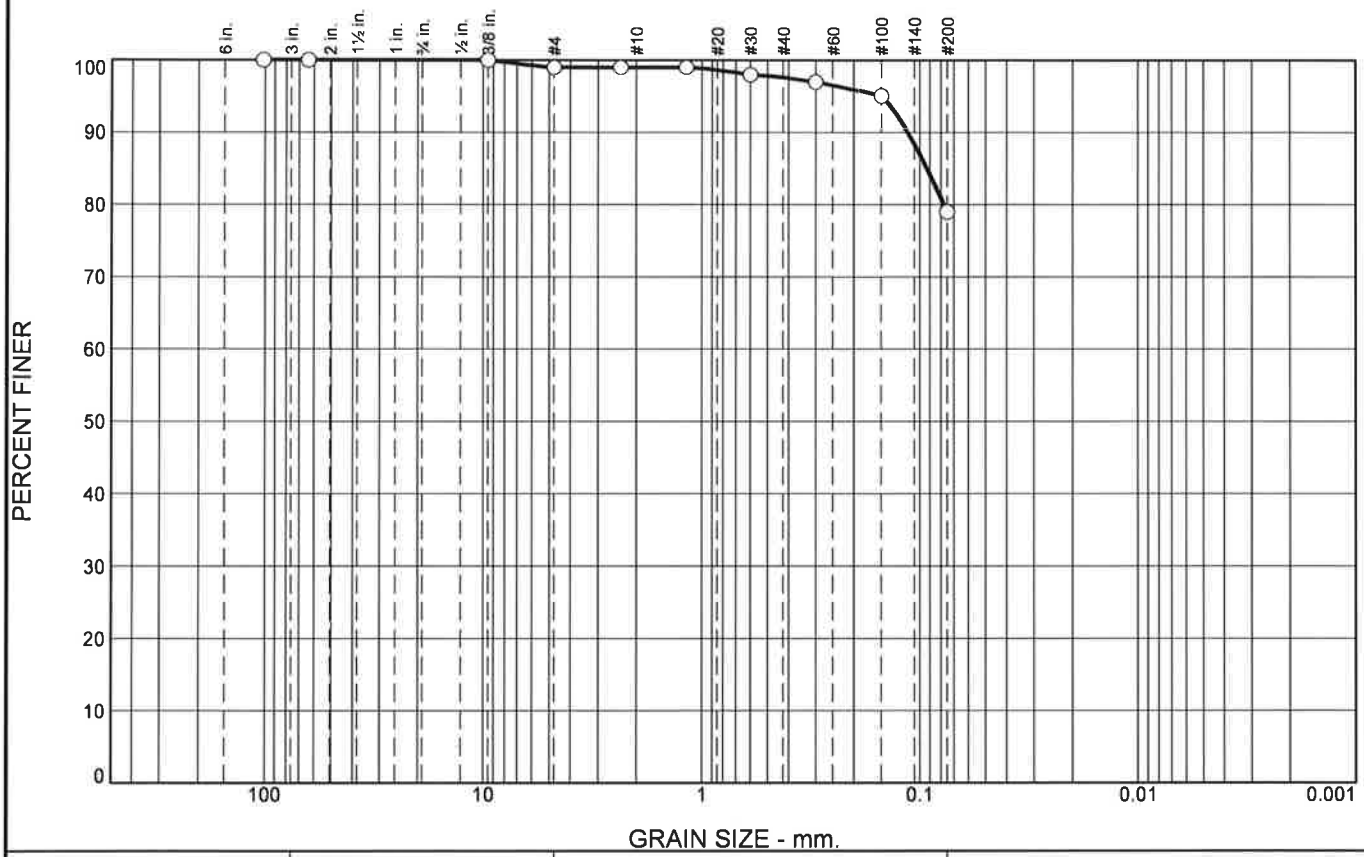
Location: Bulk TP-1
Sample Number: 1 **Depth:** 0-6' **Date:** 09/13/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: Pinole/Hercules Water Pollution Control Plant Upgrades
Pinole, CA
Project No: VV3967-003 **Figure** 0400-001

Import Materials

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	1	0	1	19	79	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100		
2-1/2"	100		
3/8"	100		
#4	99		
#8	99		
#16	99		
#30	98		
#50	97		
#100	95		
#200	79		

* Fill and Backfill Specifications (City of Pinole)

Material Description

Grayish Brown Clay with Sand

Atterberg Limits

PL= 19 LL= *51 (<40) PI= *32 (<12)

Coefficients

D_{90}= 0.1136 D_{85}= 0.0930 D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= ---

Remarks

Sieve tested in accordance with CTM 202.
Material meets grading requirements for Fill and Backfill specifications but does not meet Plasticity Index requirements.

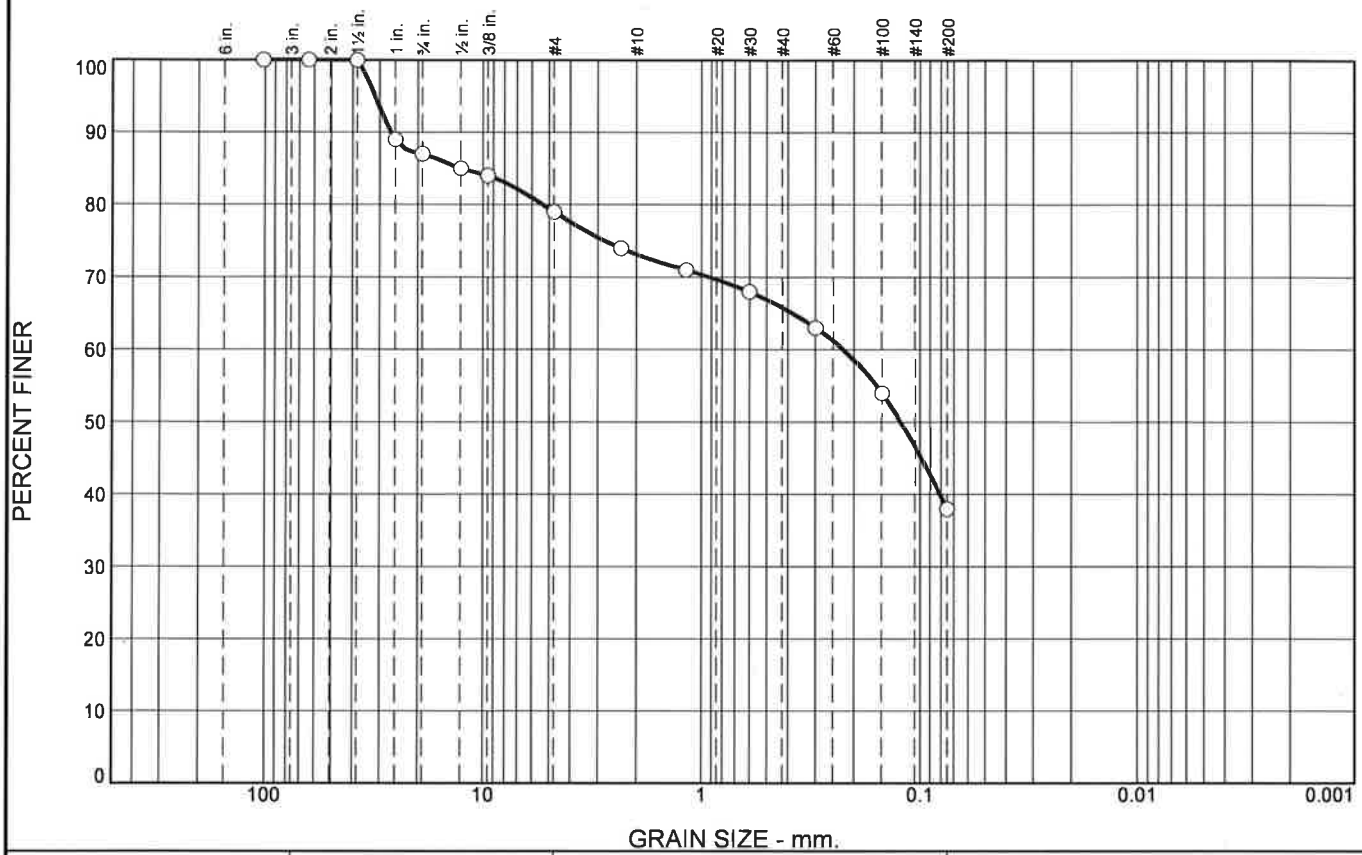
Location: Bulk TP-1
Sample Number: 2 **Depth:** 11-14' **Date:** 09/13/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: Pinole/Hercules Water Pollution Control Plant Upgrades
Pinole, CA
Project No: VV3967-003 **Figure** 0400-002

Import Materials

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	13	8	6	7	28	38	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100		
2-1/2"	100		
1-1/2"	100		
1"	89		
3/4"	87		
1/2"	85		
3/8"	84		
#4	79		
#8	74		
#16	71		
#30	68		
#50	63		
#100	54		
#200	38		

* Fill and Backfill Specifications (City of Pinole)

Material Description

Grayish Brown Clayey Sand with Gravel

Atterberg Limits

PL= 18 LL= *46 (<40) PI= *28 (<12)

Coefficients

D_{90}= 26.6348 D_{85}= 12.7000 D_{60}= 0.2247
D_{50}= 0.1231 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SC AASHTO=

Remarks

Sieve tested in accordance with CTM 202.
Material meets grading requirements for Fill and Backfill specifications but does not meet Plasticity Index requirements.

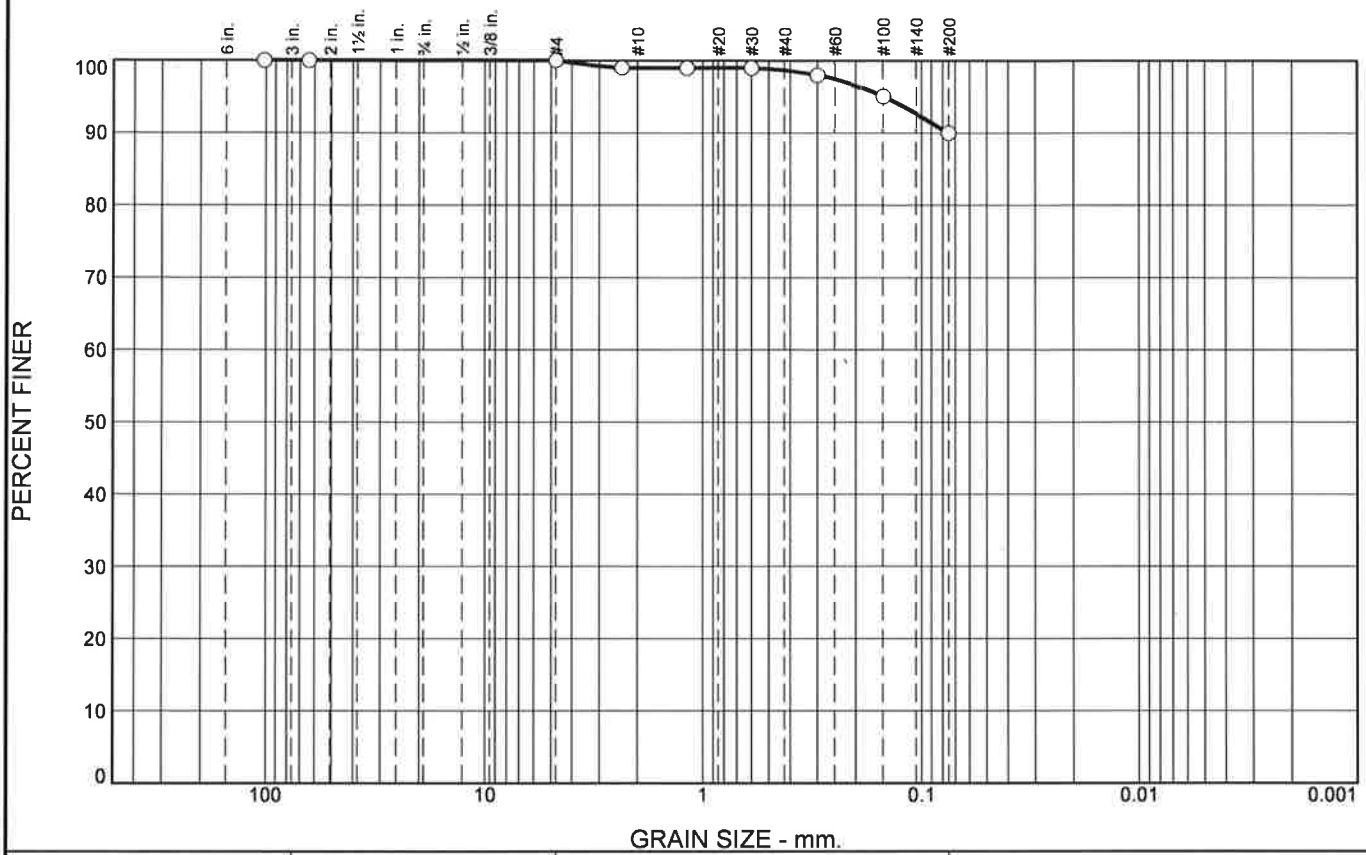
Location: Bulk TP-2
Sample Number: 3 **Depth:** 2-8' **Date:** 09/13/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: Pinole/Hercules Water Pollution Control Plant Upgrades
Pinole, CA
Project No: VV3967-003 **Figure** 0400-003

Import Materials

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	0	1	0	9	90	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100		
2-1/2"	100		
#4	100		
#8	99		
#16	99		
#30	99		
#50	98		
#100	95		
#200	90		

* Fill and Backfill Specifications (City of Pinole)

Material Description

Olive Gray Silty Clay

Atterberg Limits

PL= 24 LL= *82 (<40) PI= *58 (<12)

Coefficients

D_{90}= 0.0750 D_{85}= D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= ---

Remarks

Sieve tested in accordance with CTM 202.
Material meets grading requirements for Fill and Backfill specifications but does not meet Plasticity Index requirements.

Location: Bulk TP-2
Sample Number: 4 **Depth:** 12-22' **Date:** 09/13/16

Materials Testing, Inc.

Client: Kiewit Infrastructure West Inc.
Project: Pinole/Hercules Water Pollution Control Plant Upgrades
Pinole, CA
Project No: VV3967-003 **Figure** 0400-004

Import Materials

Materials Testing, Inc.

8798 Airport Road
Redding, California 96002
(530) 222-1116, fax 222-1611

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025, fax 447-4143

Import Materials

Client	Kiewit Infrastructure West Inc. 4650 Business Center Drive Fairfield, CA 94534	**Client No.** **Report No.** **Date:**	VV3967-003 0300-005 09/13/16
Project:	Pinole/Hercules Water Pollution Control Plant Upgrades Pinole, CA	**Submitted By:** **Submitted Date:**	KC Engineering 09/06/16

EXPANSION INDEX
(ASTM D4829)

Sample #:	1
Location:	TP-1 @ 0-6'
Soil Description:	Grayish Brown Clayey Sand
Initial Moisture Content (%):	12.5
Moisture Content after Test (%):	28
Initial Dry Density (lb/ft^3):	94.5
After Test Wet Density (lb/ft^3):	121.2
Degree of Saturation (%):	48.2
Expansion Index:	**27* (20 max)**

Sample #:	2
Location:	TP-1 @ 11-14'
Soil Description:	Grayish Brown Clay with Sand
Initial Moisture Content (%):	12.7
Moisture Content after Test (%):	34
Initial Dry Density (lb/ft^3):	92.7
After Test Wet Density (lb/ft^3):	124.5
Degree of Saturation (%):	48.4
Expansion Index:	**57* (20 max)**

Note: *Does not meet project specifications for Fill and Backfill.

Sample #:	3
Location:	TP-2 @ 2-8'
Soil Description:	Grayish Brown Clay Sand with Gravel
Initial Moisture Content (%):	14.2
Moisture Content after Test (%):	29.8
Initial Dry Density (lb/ft^3):	95.9
After Test Wet Density (lb/ft^3):	124.5
Degree of Saturation (%):	51.0
Expansion Index:	**25* (20 max)**

Sample #:	4
Location:	TP-2 @ 12-22'
Soil Description:	Olive Gray Silty Clay
Initial Moisture Content (%):	18.5
Moisture Content after Test (%):	45
Initial Dry Density (lb/ft^3):	83.7
After Test Wet Density (lb/ft^3):	121.6
Degree of Saturation (%):	49.6
Expansion Index:	**143 (*20 max)**

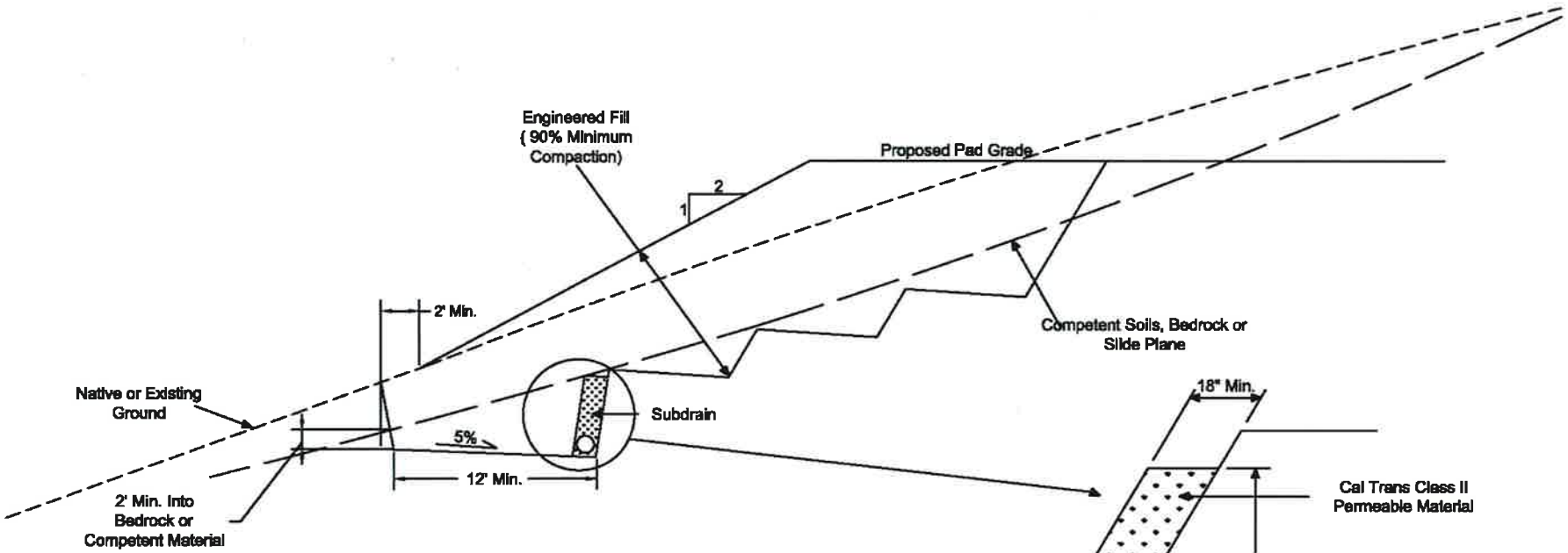
Table 1 Classification of Potential Expansion of Soils Using EI (ASTM D4829-11)

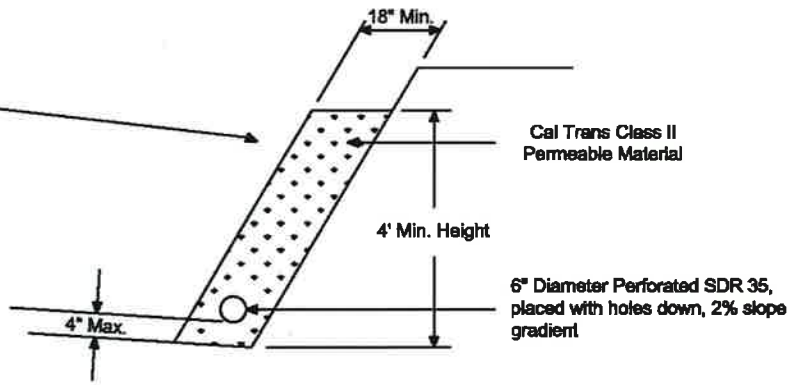
Expansion Index, EI	Potential Expansion
0 - 20	Very Low
21 – 50	Low
51 – 90	Medium
91 – 130	High
>130	Very High

Note: *Does not meet project specifications for Fill and Backfill.

TYPICAL FILL SLOPE & SUBDRAIN DETAILS

(Not to Scale)





SUBDRAIN DETAIL

NOTES:

1. This is a typical cross-section for fill slope construction. Significant variations may be encountered during grading.
2. Dimensions of keyways and benches are subject to approval in the field by the Soil Engineer and Geologist.
3. The number and location of subdrains will be determined by the Soil Engineer and Geologist in the field.

KC ENGINEERING COMPANY
865 Cotting Lane, Suite A
Vacaville, CA 95688

Proposed Hillside Fill Slope
TYPICAL FILL SLOPE, KEYWAY, BENCHING & SUBDRAIN DETAILS

USGS Design Maps Summary Report

User-Specified Input

Report Title 836 San Pablo Ave., Pinole
Thu September 22, 2016 21:15:40 UTC

Building Code Reference Document ASCE 7-10 Standard
(which utilizes USGS hazard data available in 2008)

Site Coordinates 38.0077°N, 122.3073°W

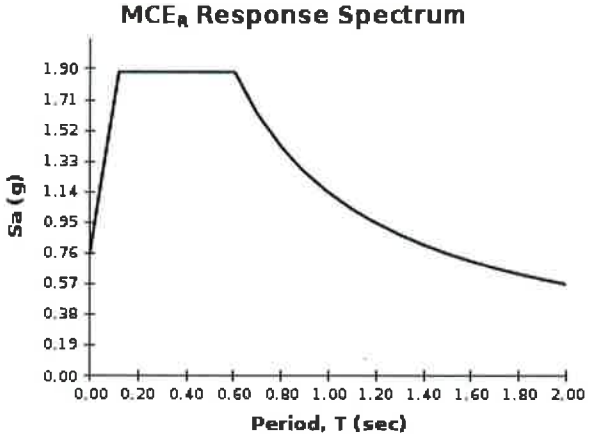
Site Soil Classification Site Class D – "Stiff Soil"

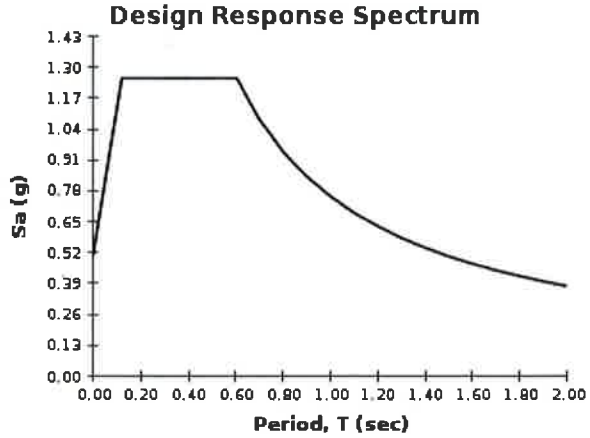
Risk Category I/II/III

USGS-Provided Output

S_S =	1.882 g	S_{MS} =	1.882 g	S_{DS} =	1.254 g
S_1 =	0.757 g	S_{M1} =	1.136 g	S_{D1} =	0.757 g

For information on how the SS and S1 values above have been calculated from probabilistic (risk-targeted) and deterministic ground motions in the direction of maximum horizontal response, please return to the application and select the "2009 NEHRP" building code reference document.





For PGA_M, T_L, C_{RS}, and C_{R1} values, please view the detailed report.

Although this information is a product of the U.S. Geological Survey, we provide no warranty, expressed or implied, as to the accuracy of the data contained therein. This tool is not a substitute for technical subject-matter knowledge.

USGS Design Maps Detailed Report

ASCE 7-10 Standard (38.0077°N, 122.3073°W)

Site Class D – "Stiff Soil", Risk Category I/II/III

Section 11.4.1 — Mapped Acceleration Parameters

Note: Ground motion values provided below are for the direction of maximum horizontal spectral response acceleration. They have been converted from corresponding geometric mean ground motions computed by the USGS by applying factors of 1.1 (to obtain S_S) and 1.3 (to obtain S_1). Maps in the 2010 ASCE-7 Standard are provided for Site Class B. Adjustments for other Site Classes are made, as needed, in Section 11.4.3.

From Figure 22-1 [1] S_S = 1.882 g

From Figure 22-2 [2] S_1 = 0.757 g

Section 11.4.2 — Site Class

The authority having jurisdiction (not the USGS), site-specific geotechnical data, and/or the default has classified the site as Site Class D, based on the site soil properties in accordance with Chapter 20.

Table 20.3–1 Site Classification

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	N/A	N/A
B. Rock	2,500 to 5,000 ft/s	N/A	N/A
C. Very dense soil and soft rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft clay soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the characteristics: • Plasticity index PI > 20, • Moisture content $w \geq 40\%$, and • Undrained shear strength $\bar{s}_u$ < 500 psf		
F. Soils requiring site response analysis in accordance with Section 21.1	See Section 20.3.1		

For SI: 1ft/s = 0.3048 m/s 1lb/ft² = 0.0479 kN/m²

Section 11.4.3 — Site Coefficients and Risk–Targeted Maximum Considered Earthquake (MCE$_R$) Spectral Response Acceleration Parameters

Table 11.4–1: Site Coefficient F_a

Site Class	Mapped MCE $_R$ Spectral Response Acceleration Parameter at Short Period				
	$S_S \leq 0.25$	$S_S = 0.50$	$S_S = 0.75$	$S_S = 1.00$	$S_S \geq 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	**1.0**
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of S_S

For Site Class = D and S_S = 1.882 g, F_a = 1.000

Table 11.4–2: Site Coefficient F_v

Site Class	Mapped MCE $_R$ Spectral Response Acceleration Parameter at 1–s Period				
	$S_1 \leq 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 \geq 0.50$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	**1.5**
E	3.5	3.2	2.8	2.4	2.4
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of S_1

For Site Class = D and S_1 = 0.757 g, F_v = 1.500

Equation (11.4–1): $S_{MS} = F_a S_S = 1.000 \times 1.882 = 1.882$ g

Equation (11.4–2): $S_{M1} = F_v S_1 = 1.500 \times 0.757 = 1.136$ g

Section 11.4.4 — Design Spectral Acceleration Parameters

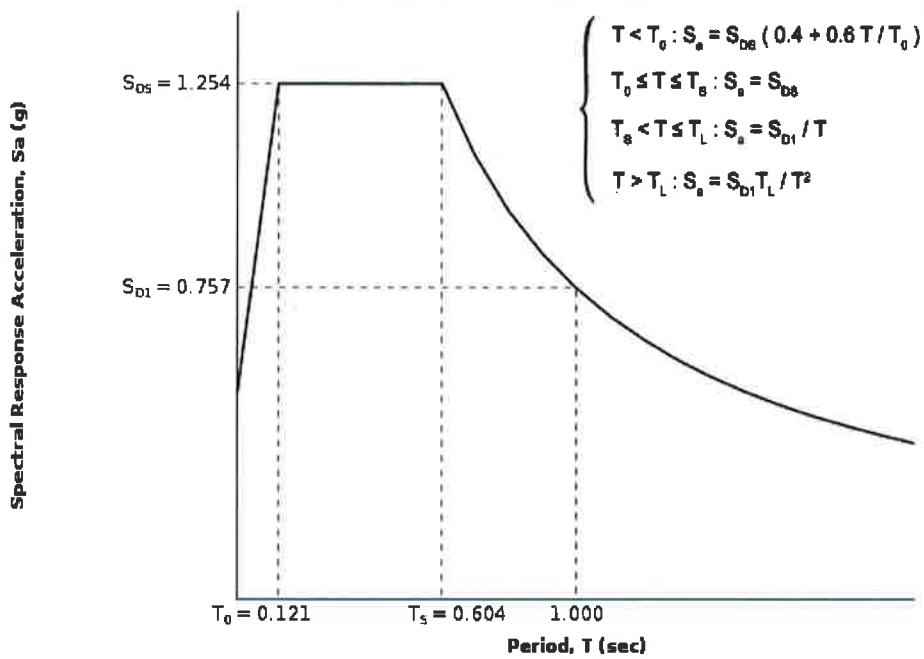
Equation (11.4–3): $S_{DS} = ⅔\ S_{MS} = ⅔ \times 1.882 = 1.254$ g

Equation (11.4–4): $S_{D1} = ⅔\ S_{M1} = ⅔ \times 1.136 = 0.757$ g

Section 11.4.5 — Design Response Spectrum

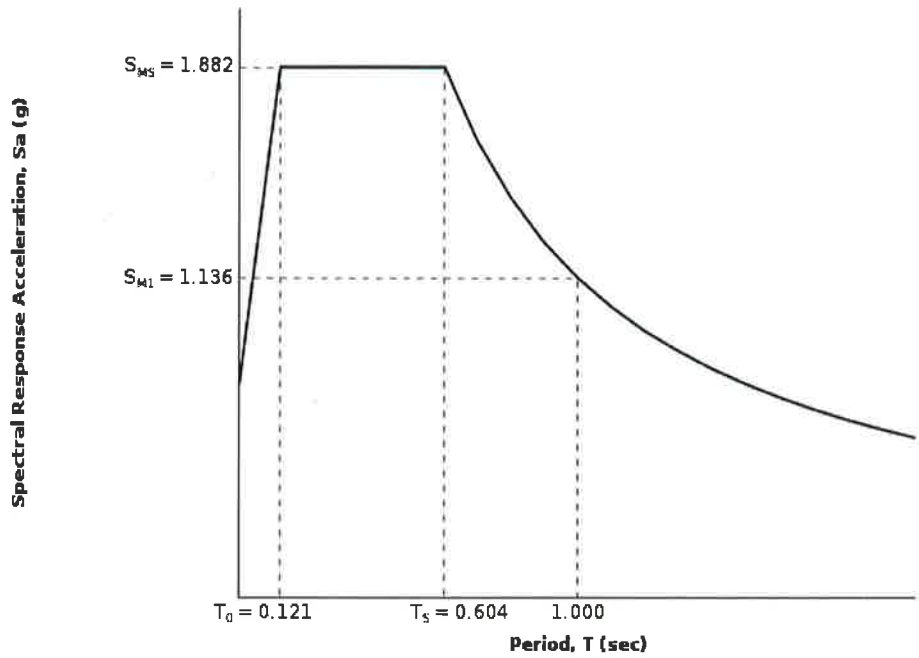
From Figure 22-12 [3] $T_L = 8$ seconds

Figure 11.4-1: Design Response Spectrum



Section 11.4.6 — Risk-Targeted Maximum Considered Earthquake (MCE_R) Response Spectrum

The MCE_R Response Spectrum is determined by multiplying the design response spectrum above by 1.5.



Section 11.8.3 — Additional Geotechnical Investigation Report Requirements for Seismic Design Categories D through F

From Figure 22-7 [4] PGA = 0.725

Equation (11.8–1): $PGA_M = F_{PGA}PGA = 1.000 \times 0.725 = 0.725$ g

Table 11.8–1: Site Coefficient F_{PGA}

Site Class	Mapped MCE Geometric Mean Peak Ground Acceleration, PGA				
	PGA ≤ 0.10	PGA = 0.20	PGA = 0.30	PGA = 0.40	PGA ≥ 0.50
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	**1.0**
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of PGA

For Site Class = D and PGA = 0.725 g, F_{PGA} = 1.000

Section 21.2.1.1 — Method 1 (from Chapter 21 – Site-Specific Ground Motion Procedures for Seismic Design)

From Figure 22-17 [5] C_{RS} = 1.017

From Figure 22-18 [6] C_{R1} = 0.998

Section 11.6 — Seismic Design Category

Table 11.6-1 Seismic Design Category Based on Short Period Response Acceleration Parameter

VALUE OF S_{DS}	RISK CATEGORY		
	I or II	III	IV
$S_{DS} < 0.167g$	A	A	A
$0.167g \le S_{DS} < 0.33g$	B	B	C
$0.33g \le S_{DS} < 0.50g$	C	C	D
$0.50g \le S_{DS}$	D	D	D

For Risk Category = I and S_{DS} = 1.254 g, Seismic Design Category = D

Table 11.6-2 Seismic Design Category Based on 1-S Period Response Acceleration Parameter

VALUE OF S_{D1}	RISK CATEGORY		
	I or II	III	IV
$S_{D1} < 0.067g$	A	A	A
$0.067g \le S_{D1} < 0.133g$	B	B	C
$0.133g \le S_{D1} < 0.20g$	C	C	D
$0.20g \le S_{D1}$	D	D	D

For Risk Category = I and S_{D1} = 0.757 g, Seismic Design Category = D

Note: When S_1 is greater than or equal to 0.75g, the Seismic Design Category is E for buildings in Risk Categories I, II, and III, and F for those in Risk Category IV, irrespective of the above.

Seismic Design Category ≡ "the more severe design category in accordance with Table 11.6-1 or 11.6-2" = E

Note: See Section 11.6 for alternative approaches to calculating Seismic Design Category.

References

1. *Figure 22-1*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-1.pdf
2. *Figure 22-2*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-2.pdf
3. *Figure 22-12*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-12.pdf
4. *Figure 22-7*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-7.pdf
5. *Figure 22-17*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-17.pdf
6. *Figure 22-18*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-18.pdf

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KC ENGINEERING COMPANY
A SUBSIDIARY OF MATERIALS TESTING, INC.
www.mti-kcgeotech.com

Project No. VV3967
31 October 2019

Mr. Mark Bertolero
Kiewit Infrastructure West Co.
4650 Business Center Drive
Fairfield, CA 94534

Pinole Shores Commercial Project, Phase II
836 San Pablo Avenue Pinole, CA
REPORT OF TESTING AND OBSERVATION DURING SUPER PAD GRADING OPERATIONS

Reference: Geotechnical Exploration Report
By *KC Engineering Company,* dated 10/04/16

Dear Mr. Bertolero:

At your request, **KC ENGINEERING COMPANY** has provided periodic observation and compaction testing services during the mass grading operations of the northern phase II super pad for the future commercial development at the subject site. The mass grading occurred at the undeveloped northern portion of the Pinole Shores commercial development as shown noted in the referenced geotechnical report. The recent earthwork and grading operations have been performed in general conformance with the referenced report.

The grading operations commenced with the stripping and removal of heavy vegetation and over-excavation of stockpiled materials and drainage berm. The pad was then over-excavated and scarified to the proper depth, moisture conditioned as necessary and compacted to a minimum relative compaction of 90%. Relative compaction is based on the maximum dry density as determined by the ASTM D 1557 Laboratory Test Procedure. Fill was then placed in thin lifts, moisture conditioned, and compacted to a minimum relative compaction of 92% until the desired grade was achieved.

The compaction of soil and rock materials were determined by field observation and performance of in-place field moisture/density tests and laboratory compaction tests. Field density testing indicates the relative compaction achieved in areas tested. The attached Compaction Test Location Map shows the super pad areas that we referenced in our compaction

test data sheets. The laboratory maximum dry density and optimum moisture content for the soil type was determined by the ASTM D 1557 test method. Field density testing was performed using nuclear gauge methods in accordance with the ASTM D 6938 test method. The results of the field and laboratory tests performed have been summarized on the attached Tables.

We understand the pad will be lime treated in accordance with Reference #1 at a later date and will need testing and observation at that time.

Proper surface drainage must be constructed as designed by the project Civil Engineer/Architect and be maintained by the property owner at all times. Should you have any questions or require additional information, please contact our office at your convenience.

Reviewed By,

David V. Cymanski, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
DAVID V. CYMANSKI
GE 2585
EXP. 6-30-20
GEOTECHNICAL
STATE OF CALIFORNIA

Respectfully Submitted,
KC ENGINEERING CO.

Jacob Evans
Staff Engineer

Copies: 1 email to Client

KC ENGINEERING COMPANY
865 Cotting Lane, Suite A
Vacaville, CA 95688
707-447-4025

Project No. VV3967
Pinole Shores Commercial Development
836 San Pablo Ave., Pinole, CA
COMPACTION TEST LOCATION MAP

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025

8798 Airport Road
Redding, California 96002
(530) 222-0832

KC ENGINEERING COMPANY
A SUBSIDIARY OF MATERIALS TESTING, INC.

CLIENT: Kiewit Infrastructure West Co.
PROJECT: Soils/ Sample Testing (WPCP) Water Pollution Control Plant Upgrades
Pinole Shores: Commercial Site
836 San Pablo Avenue, Pinole, CA

CLIENT NO: VV3967
REPORT NO: VV3967 _test

TABLE I
LABORATORY TEST RESULTS

Curve #	Description	Maximum Dry Density p.c.f.	Optimum Moisture %
1	Light Brown Gravelly Clay	83.6	29.0
2	Brown Sandy Gravelly Clay w/Debris	105.4	23.6
3	Brown White Mottled Gravelly Clay	104.4	18.7
4	Brown Gravelly Clay	111.0	16.2

TABLE II
SUMMARY OF FIELD TEST RESULTS

Test #	Date 2016	Test Location	D.F.G. or Elev.	Moisture Content %	Dry Density p.c.f.	Relative Comp. %	Req'd Comp. %	Curve #
1	10/04	Central Area, Southeast Corner	Bottom	11.0	87.0	100	90	1
2	10/04	Central Area, Northeast Corner	Bottom	27.3	83.2	99	90	1
3	10/04	Central Area, South Side, Center	Bottom	24.6	78.5	94	90	1
4	10/04	Central Area, North Side, Center	Bottom	17.6	78.6	94	90	1
5	10/04	Central Area, Southwest Corner	Bottom	27.3	73.4	88* RT #7	90	1
6	10/04	Central Area, Northwest Corner	Bottom	23.8	81.1	97	90	1
7	10/04	Retest of #5 (Central Area, Southwest Corner)	Bottom	28.4	76.2	91	90	1
8	10/05	Central Area, Northeast Corner	+2'	22.0	98.1	94	92	3
9	10/05	Central Area, Southeast Corner	+2'	21.8	96.2	92	92	3
10	10/05	Central Area, South Side	+2'	25.0	97.2	93	92	3
11	10/05	Central Area, North Side	+2'	24.8	95.6	92	92	3

Test #	Date 2016	Test Location	D.F.G. or Elev.	Moisture Content %	Dry Density p.c.f.	Relative Comp. %	Req'd Comp. %	Curve #
12	10/05	Central Area, Northwest Corner	+2'	27.0	96.1	92	92	3
13	10/05	Central Area, Southwest Corner	+2'	23.2	96.8	93	92	3
14	10/06	Central Area, Northeast Corner	+3'	22.4	95.9	92	92	3
15	10/06	Central Area, Southeast Corner	+3'	22.0	96.0	92	92	3
16	10/06	Central Area, South Side	+3'	22.5	97.7	94	92	3
17	10/06	Central Area, North Side	+3'	22.0	96.9	93	92	3
18	10/06	Central Area, Northwest Corner	+3'	21.7	95.9	92	92	3
19	10/06	Central Area, South West Corner	+3'	21.9	97.5	93	92	3
20	10/07	Central Area, Southeast Corner	+4'	22.1	96.2	92	92	3
21	10/07	Central Area, Northeast Corner	+4'	21.9	96.5	92	92	3
22	10/07	Central Area, North Side	+4'	23.0	96.6	93	92	3
23	10/07	Central Area, South Side	+4'	21.8	97.0	93	92	3
24	10/07	Central Area, Southwest Corner	+4'	22.0	96.7	93	92	3
25	10/07	Central Area, Northwest Corner	+4'	21.8	97.8	94	92	3
26	10/10	Central Area, East End	+6'	23.0	97.1	93	92	3
27	10/10	Central Area, East Central	+6'	25.1	98.7	95	92	3
28	10/10	Central Area, West Central	+6'	22.1	94.0	92	92	3
29	10/10	Central Area, West End	+6'	21.9	95.6	92	92	3
30	10/13	Central Area, N. Side, West End	+6'	22.0	97.1	93	92	3
31	10/13	Central Area, North Side, Central	+6'	23.2	96.8	93	92	3
32	10/13	Central Area, N. Side, East End	+6'	22.5	97.0	93	92	3
33	10/13	Central Area, S. Side, East End	+6'	21.9	97.1	93	92	3
34	10/13	Central Area, South Side, Center	+6'	22.3	97.7	94	92	3
35	10/13	Central Area, S. Side, West End	+6'	24.7	97.2	93	92	3
	2017							
36	06/20	North Area, Northeast Corner	+8'	20.6	100.2	96	92	3
37	06/20	North Area, Center/ North	+8'	20.3	100.7	96	92	3
38	06/20	North Area, Northwest Corner	+8'	20.0	100.3	96	92	3
39	06/20	North Area, East Side	+8'	21.3	99.7	95	92	3
40	06/20	North Area, West Side	+8'	20.1	99.1	95	92	3
41	06/20	North Area, South Side	+8'	20.5	99.5	95	92	3
42	06/20	Central Area, East Section	+8'	20.1	98.7	95	92	3
43	06/20	Central Area, Center/ East	+8'	21.3	98.5	94	92	3
44	06/20	Central Area, Center/ West	+8'	20.7	99.3	95	92	3
45	06/20	Central Area, South End	+8'	21.7	100.5	96	92	3
46	06/20	South Section, South End	+8'	22.3	98.7	95	92	3
47	06/20	South Section, North End	+8'	22.7	99.1	95	92	3
48	06/20	South Section, Center	+8'	21.5	98.5	94	92	3
49	06/21	Central Area, East End	+10'	19.8	101.5	97	92	3
50	06/21	Central Area, Center/ East	+10'	20.1	99.7	95	92	3
51	06/21	Central Area, Center/ West End	+10'	19.7	99.5	95	92	3
52	06/21	Central Area, West End	+10'	19.9	99.3	95	92	3
53	06/22	South Area, West Section	+10'	23.6	98.6	94	92	3
54	06/22	South Area, Center/ South	+10'	33.7	78.2	94	92	1

Test #	Date 2017	Test Location	D.F.G. or Elev.	Moisture Content %	Dry Density p.c.f.	Relative Comp. %	Req'd Comp. %	Curve #
55	06/22	South Area, Center/ North	+10'	22.6	99.4	95	92	3
56	06/22	South Area, Southeast Corner	+10'	35.0	77.8	93	92	1
57	06/22	South Area, Northeast Corner	+10'	22.5	98.7	95	92	3
58	06/22	Central Area, Northwest Corner	+11'	22.3	101.7	97	92	3
59	06/22	Central Area, Center/ West	+11'	20.9	98.5	94	92	3
60	06/22	Central Area, Southwest Corner	+11'	20.7	100.1	96	92	3
61	06/22	Central Area, Center	+11'	21.1	99.9	96	92	3
62	06/22	Central Area, Center/ East	+11'	20.8	99.3	95	92	3
63	06/22	Central Area, East Side	+11'	20.1	97.1	93	92	3
64	06/23	Southern Area, Northeast Corner	RFG	12.4	109.9	99	92	4
65	06/23	Southern Area, Southeast Corner	RFG	13.5	111.1	100	92	4
66	06/23	Southern Area, Center/ Southeast	RFG	13.8	113.3	100	92	4
67	06/23	Southern Area, Center/ Northeast	RFG	13.7	111.9	100	92	4
68	06/23	Central Area, Northeast Corner	+12'	13.5	113.4	100	92	3
69	06/23	Central Area, Southeast Corner	+12'	20.9	97.1	93	92	3
70	06/23	Central Area, Center/ East	+12'	21.5	97.5	93	92	3
71	06/23	Central Area, Center	+12'	21.3	98.7	95	92	3
		2019						
72	10/24	Central Area, East End	FG	18.0	102.0	92	92	4
73	10/24	Central Area, Center	FG	17.8	103.8	94	92	4
74	10/24	Central Area, West End	FG	17.7	103.6	93	92	4
75	10/24	Southern Area, West End	FG	17.2	105.8	95	92	4
76	10/24	Southern Area, Center	FG	29.6	79.6	95	92	1
77	10/24	Southern Area, East End	FG	18.8	98.6	94	92	3
78	10/24	Northern Area, East End	FG	18.7	98.0	94	92	3
79	10/24	Northern Area, Center	FG	17.0	107.5	97	92	4
80	10/24	Northern Area, West End	FG	16.2	106.1	96	92	4
81	10/24	Northern Area, West End	-2'	18.8	106.4	96	92	4
82	10/24	Northern Area, Center	-2'	19.4	106.7	96	92	4
83	10/24	Northern Area, East End	-2'	19.3	104.6	94	92	4
84	10/24	Northern Area, East End	-4'	19.0	102.4	92	92	4
85	10/24	Northern Area, Center	-4'	20.4	103.1	93	92	4
86	10/24	Northern Area, West End	-4'	20.1	105.5	95	92	4
87	10/24	Central Area, West End	-1'	18.0	102.3	92	92	4
88	10/24	Central Area, Center	-1'	18.2	103.4	93	92	4
89	10/24	Central Area, East End	-1'	18.9	102.7	93	92	4

(Required Compaction Obtained from: KC Engineering)

Notes:

1) Density tests performed in accordance with ASTM D6938.
2) Maximum Density/Optimum Moisture determined in accordance with ASTM D1557.

* = Failing Test FG = Finish Grade RT = Retest
D.F.G. = Depth from Grade RFG = Rough Sub-Grade SG = Sub-Grade

865 Cotting Lane, Suite A, Vacaville, California 95688

Appendix E

Phase I Environmental Site Assessment

REPORT DATE: September 2, 2022

PROPERTY INFORMATION:
830 San Pablo Avenue
Pinole, Contra Costa County, California 94564

PROJECT INFORMATION:
AEI Project No. 467803
Site Assessment Date: August 30, 2022

PREPARED FOR:
GRP Shores, LLC
2350 North University
Drive, #848300
Pembroke Pines, Florida 33084

PREPARED BY:
AEI Consultants - Corporate Headquarters
2500 Camino Diablo
Walnut Creek, California 94597

1.800.801.3224
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September 2, 2022

John Diemer
GRP Shores, LLC
2350 North University Drive, #848300
Pembroke Pines, Florida 33084

Subject: **Phase I Environmental Site Assessment**
830 San Pablo Avenue
Pinole, California 94564
AEI Project No. 467803

Dear John Diemer:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (804) 971-0037 or ndriskill@aeiconsultants.com.

Sincerely,

Nikki Driskill

Nikki Driskill
Senior Business Development Manager
AEI Consultants

PROJECT SUMMARY

830 San Pablo Avenue, Pinole, Contra Costa County, California 94564
AEI Project No. 467803

Report Section		REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Review of Site and Vicinity		✔			See Findings
4.0	Regulatory Agency Records Review		✔			See Findings
5.0	Regulatory Database Records Review		✔			See Findings
6.0	Interviews and User Provided Information					None
7.0	Site Reconnaissance					None
8.1	Asbestos-Containing Building Materials					None
8.2	Lead-Based Paint					None
8.3	Radon					None
8.4	Mold					None

TABLE OF CONTENTS

REPORT VIABILITY **4**
EXECUTIVE SUMMARY **5**
Findings 6
Conclusions, Opinions, and Recommendations 8
1.0 INTRODUCTION **9**
1.1 Scope of Work 9
1.2 Additional Services 9
1.3 Significant Assumptions 9
1.4 Limitations 10
1.5 Limiting Conditions/Deviations 11
1.6 Data Failure and Data Gaps 11
1.7 Reliance 12
2.0 SITE AND VICINITY DESCRIPTION **13**
2.1 Site Location and Description 13
2.2 On-Site Utilities 13
2.3 Site and Vicinity Characteristics 13
2.4 Physical Setting 14
3.0 HISTORICAL REVIEW OF SITE AND VICINITY **15**
3.1 Aerial Photographs 16
3.2 Sanborn Fire Insurance Maps 17
3.3 City Directories 17
3.4 Historical Topographic Maps 18
3.5 Chain of Title 19
4.0 REGULATORY AGENCY RECORDS REVIEW **20**
4.1 Local Environmental Health Department and/or State Environmental Agency 20
4.2 Fire Department 20
4.3 Building Department 20
4.4 Planning Department 20
4.5 Assessor's Office 20
4.6 Other Agencies Searched 21
4.7 Oil and Gas Wells 22
4.8 Oil and Gas Pipelines 22
4.9 State Environmental Superliens 23
4.10 State Property Transfer Laws 23
5.0 REGULATORY DATABASE RECORDS REVIEW **24**
5.1 Records Summary 24
5.2 Vapor Migration 26
6.0 INTERVIEWS AND USER PROVIDED INFORMATION **27**
6.1 Interviews 27
6.2 User Provided Information 28
6.3 Previous Reports and Other Provided Documentation 29
6.4 Environmental Lien Search 29
7.0 SITE RECONNAISSANCE **30**
7.1 Subject Property Reconnaissance Findings 30
7.2 Adjoining Property Reconnaissance Findings 31
8.0 NON-ASTM SERVICES **32**
8.1 Asbestos-Containing Building Materials 32
8.2 Lead-Based Paint 32
8.3 Radon 32
8.4 Mold 32
9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS **33**
10.0 REFERENCES **34**

TABLE OF APPENDICES

APPENDIX A: FIGURES
APPENDIX B: PROPERTY PHOTOGRAPHS
APPENDIX C: REGULATORY DATABASE
APPENDIX D: HISTORICAL SOURCES
APPENDIX E: REGULATORY AGENCY RECORDS
APPENDIX F: OTHER SUPPORTING DOCUMENTATION
APPENDIX G: QUALIFICATIONS
APPENDIX H: LIST OF COMMONLY USED ABBREVIATIONS

REPORT VIABILITY

Report Viability Dates per ASTM E1527-21

Site Visit	August 30, 2022
Regulatory Database Review	August 15, 2022
Interview(s)	Property Owner: N/A Key Site Manager: August 30, 2022
EP Declaration	September 2, 2022
Lien Search (if conducted by AEI)	N/A
Report Viability per ASTM E1527-21	February 11, 2023

The dates listed are required for Users who are using the report in connection with CERCLA liability protections. The User may have their own criteria when the report is being used for business risk purposes, and not CERCLA liability protections.

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by GRP Shores, LLC to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-13 and E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 830 San Pablo Avenue, Pinole, Contra Costa County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

Property Information	
Site Address(es)	830 San Pablo Avenue, Pinole, Contra Costa County, California 94564
Property ID (APN or Block/Lot)	402-230-022, 402-230-020, 402-230-018, 402-230-017, 402-230-016, 402-230-015016, and 402-230-015
Location	North side of San Pablo Avenue
Property Type	Vacant Land
Site and Building Information	
Approximate Site Acreage/Source	7.37/Assessor
Number of Buildings	N/A
Building Construction Date(s)/Source	N/A
Building Square Footage (SF)/Source	N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	None identified
Number of Units	N/A
Additional Improvements	None identified
On-site Occupant(s)	None identified
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
Regulatory Information	
Regulatory Database Listing(s)	CPS-SLIC (x2), DEED, SWEEPS UST, HIST UST, LUST, CORTESE, ENF, HIST CORTESE, CONTRA COSTA CO. SITE LIST, CIWQS, CERS

A chronological summary of historical subject property information is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1939-1950	Undeveloped land	Aerial photographs
1958-1992	Vacant land utilized for vehicle storage/parking associated with a larger auto wrecking facility (850 San Pablo Avenue)	Aerial photographs, city directories, agency records
1998-Present	Vacant land (graded circa 2009) (830 San Pablo Avenue)	Aerial photographs, city directories, site observation

The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Railroad tracks, followed by: Residence (648 Carlotta Circle)	None identified

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
	Vacant land	
East	Residence (937 Scanlan Way) Bayside Apartment Homes (530 Sunnyview Drive) Apartments (560-580 Sunnyview Drive)	Yes; refer to Section 5.1
South	Multi-tenant commercial building (818-828 San Pablo Avenue)	None identified
West	Westside Concrete Materials (800 San Pablo Avenue)	Yes; refer to Section 5.1

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

FINDINGS

Significant Data Gap(s) is defined by the current ASTM Standard E1527 as a data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

AEI did not identify significant data gaps which affected our ability to identify RECs.

Recognized Environmental Condition (REC) is defined by the current ASTM Standard E1527 as the (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- AEI did not identify evidence of RECs during the course of this assessment.

Controlled Recognized Environmental Condition (CREC) is defined by the ASTM Standard E1527 as a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- Based on a review of historical sources and agency records, the subject property and adjoining site to the south formerly operated as an auto wrecking facility between circa1958 and 1992. Based on regulatory agency records and aerial photographs, the western portion of the subject property was utilized for vehicle storage and parking and was not developed with structures during this period of use; the western portion appears to have been largely unused and unimproved. The auto wrecking facility was formerly equipped with two 1,000-gallon gasoline USTs, one used to store new fuel and one used to store fuel removed from vehicles in preparation for wrecking. The former USTs were located on the south portion of the auto wrecking facility, approximately 500 feet south of the subject property (currently addressed as 812

San Pablo Avenue). A RAP was implemented in 2002 and consisted of the removal of approximately 1,000 cubic yards of impacted soil, purging of approximately 6,000 gallons of groundwater, and the addition of 500 lbs of Oxygen Release Compounds (ORCs) in the area of the former USTs. The site was granted closure with respect to the former USTs on June 25, 2002. A CPS-SLIC cleanup case was opened in 2002 for RWQCB oversight of the remediation of motor oil and lead-impacted soil remediation of a portion of the subject property and south surrounding sites resulting from historical auto wrecking/vehicle storage operations. This included an area of lead-impacted soil on the north portion of the subject property (see Figure 2). In 2002, a total of 2,800 tons of lead-impacted soil were removed to 2 feet bgs from an area of the subject property and an area on the south adjoining property. A No Further Action letter issued on December 23, 2002 notes that although confirmation soil samples indicated concentrations of lead below commercial/industrial ESLs, residual concentrations of lead above residential ESLs (255 mg/kg) remained in place. The CPS-SLIC cleanup case was granted closure by the RWQCB on December 23, 2002. The former auto wrecking facility site was subdivided into the three existing properties including the area of the subject property (830 San Pablo Avenue), the south adjoining property (818-828 San Pablo Avenue), and the southernmost portion of the site (812 San Pablo Avenue). A Covenant and Environmental Restriction was implemented at the site on December 13, 2002 restricting future use of the entire former auto wrecking facility to industrial, commercial, or office use, with no hospitals, schools, day care centers, or residences permitted. A Soil Management Plan was prepared on October 3, 2002 to present sampling and health and safety procedures to be implemented during site development or site modification that could disturb site soil. Based on the regulatory closure of the LUST and CPS-SLIC cases, remedial activities conducted to address lead-impacted soil at the subject property, and the presence of residual lead above 255 mg/kg (exceeding residential ESLs), the former auto wrecking operations represents a CREC.

As noted, residual lead impacts in the soil remain on the subject property. In the event that groundbreaking activities are pursued, construction personnel should be informed that the soil encountered could be contaminated. The contractor should employ appropriate worker safety and engineering controls to protect the health and safety of the construction crew and future occupants during any excavation activities. Furthermore, as may have been expressed during the issuance of regulatory closure and/or as a good faith practice, the User of this report should note that the applicable agency/agencies should be notified prior to commencing any future change in use and/or redevelopment of the subject property.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard E1527 as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the current ASTM Standard E1527. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property. A de minimis condition is defined by the ASTM Standard as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- AEI did not identify evidence of OECs during the course of this assessment.

Conclusions, Opinions, and Recommendations

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and E1527-21, of 830 San Pablo Avenue, Pinole, Contra Costa County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the property except for those previously identified in the Findings section. AEI recommends the following:

- Adherence to the Covenant and Environmental Restriction and Soil Management Plan during redevelopment activities

1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-13 and E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 830 San Pablo Avenue, Pinole, Contra Costa County, California (Appendix A: Figures and Appendix B: Property Photographs).

1.1 Scope of Work

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with the most current ASTM E1527 Standard associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

1.2 Additional Services

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by the current ASTM Standard E1527. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

1.3 Significant Assumptions

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under the current ASTM Standard E1527.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. The current ASTM Standard E1527 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the current ASTM Standard E1527.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

1.5 Limiting Conditions/Deviations

The performance of this assessment was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this report. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- At the time of the site reconnaissance, the area of the subject property was covered with overgrown vegetation and therefore could not be directly observed. Based on the quality of information obtained from other sources and the nature of current property use, this limitation is not expected to significantly change the findings of this report.
- AEI requested an interview with the key site manager; however, the key site manager has not responded as of this report date. Based on the quality of information obtained from other sources, including a review of agency records, this limitation is not expected to alter the overall findings of this assessment.
- The subject property owner was not interviewed during this assessment. Based on information obtained from other sources, including a review of agency records, this limiting condition is not expected to alter the overall findings of this assessment.

1.6 Data Failure and Data Gaps

According to the current ASTM Standard E1527, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to the current ASTM Standard E1527, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to the current ASTM Standard E1527, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to the current ASTM Standard E1527, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

1.6.1 Data Failure

AEI did not identify evidence of data failure during the course of this assessment.

1.6.2 Significant Data Gaps

AEI did not identify significant data gaps which affected our ability to identify RECs.

1.7 Reliance

All reports, both verbal and written, are for the benefit of GRP Shores, LLC . This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's contract and Terms and Conditions executed by GRP Shores, LLC on August 12, 2022. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE LOCATION AND DESCRIPTION

Property Information	
Site Address(es)	830 San Pablo Avenue, Pinole, Contra Costa County, California 94564
Property ID (APN or Block/Lot)	402-230-022, 402-230-020, 402-230-018, 402-230-017, 402-230-016, 402-230-015016, and 402-230-015
Location	North side of San Pablo Avenue
Property Type	Vacant Land
Site and Building Information	
Approximate Site Acreage/Source	7.37/Assessor
Number of Buildings	N/A
Building Construction Date(s)/Source	N/A
Building Square Footage (SF)/Source	N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	None identified
Number of Units	N/A
Additional Improvements	None identified
On-site Occupant(s)	None identified
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
Regulatory Information	
Regulatory Database Listing(s)	CPS-SLIC (x2), DEED, SWEEPS UST, HIST UST, LUST, CORTESE, ENF, HIST CORTESE, CONTRA COSTA CO. SITE LIST, CIWQS, CERS

2.2 ON-SITE UTILITIES

Utility	Source/System Information
Heating System	N/A The subject property is currently vacant land or lacks structures. Consequently, there are no on-site heating or cooling systems
Cooling System	N/A The subject property is currently vacant land or lacks structures. Consequently, there are no on-site heating or cooling systems
Potable Water	EBMUD (in the area of the subject property)
Sewage Disposal/Treatment	EBMUD (in the area of the subject property)

Utility source/system information listed in the table above was obtained during site reconnaissance and online, unless otherwise noted above.

2.3 SITE AND VICINITY CHARACTERISTICS

The subject property is located in a mixed commercial/residential area of Pinole, California. The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Railroad tracks, followed by: Residence (648 Carlotta Circle) Vacant land	None identified

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
East	Residence (937 Scanlan Way) Bayside Apartment Homes (530 Sunnyview Drive) Apartments (560-580 Sunnyview Drive)	Yes; refer to Section 5.1
South	Multi-tenant commercial building (818-828 San Pablo Avenue)	None identified
West	Westside Concrete Materials (800 San Pablo Avenue)	Yes; refer to Section 5.1

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

2.4 Physical Setting

Geologic Unit: Description/Source	Qoa: Dissected older alluvial gravel and sand, undeformed, age late Pleistocene/USGS and United States Department of the Interior
Soil Series: Description/Source	CoE—Cut and fill land-Millsholm complex: well drained, high runoff; and CkB—Cropley clay: moderately well drained, medium runoff/USDA Soil Survey
Groundwater Flow Direction/Source	North/Topographic map interpretation
Estimated Depth to Groundwater/Source	Between 9 and 26 feet bgs/Groundwater data on file for the subject property and south adjoining site (850 San Pablo Avenue), obtained from GeoTracker
Surface waters on the subject property or adjoining sites	None

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Reasonably ascertainable standard historical sources as outlined in the current ASTM Standard E1527 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1939-1950	Undeveloped land	Aerial photographs
1958-1992	Vacant land utilized for vehicle storage/parking associated with a larger auto wrecking facility (850 San Pablo Avenue)	Aerial photographs, city directories, agency records
1998-Present	Vacant land (graded circa 2009) (830 San Pablo Avenue)	Aerial photographs, city directories, site observation

The following historical address was associated with the subject property: 850 San Pablo Avenue. This address was also researched as part of this assessment.

Based on a review of historical sources and agency records, the subject property and adjoining site to the south formerly operated as an auto wrecking facility between circa1958 and 1992. Based on regulatory agency records and aerial photographs, the western portion of the subject property was utilized for vehicle storage and parking and was not developed with structures during this period of use; the western portion appears to have been largely unused and unimproved. The auto wrecking facility was formerly equipped with two 1,000-gallon gasoline USTs, one used to store new fuel and one used to store fuel removed from vehicles in preparation for wrecking. The former USTs were located on the south portion of the auto wrecking facility, approximately 500 feet south of the subject property (currently addressed as 812 San Pablo Avenue). A RAP was implemented in 2002 and consisted of the removal of approximately 1,000 cubic yards of impacted soil, purging of approximately 6,000 gallons of groundwater, and the addition of 500 lbs of Oxygen Release Compounds (ORCs) in the area of the former USTs. The site was granted closure with respect to the former USTs on June 25, 2002. A CPS-SLIC cleanup case was opened in 2002 for RWQCB oversight of the remediation of motor oil and lead-impacted soil remediation of a portion of the subject property and south surrounding sites resulting from historical auto wrecking/vehicle storage operations. This included an area of lead-impacted soil on the north portion of the subject property (see Figure 2). In 2002, a total of 2,800 tons of lead-impacted soil were removed to 2 feet bgs from an area of the subject property and an area on the south adjoining property. A No Further Action letter issued on December 23, 2002 notes that although confirmation soil samples indicated concentrations of lead below commercial/industrial ESLs, residual concentrations of lead above residential ESLs (255 mg/kg) remained in place. The CPS-SLIC cleanup case was granted closure by the RWQCB on December 23, 2002. The former auto wrecking facility site was subdivided into the three existing properties including the area of the subject property (830 San Pablo Avenue), the south adjoining property (818-828 San Pablo Avenue), and the southernmost portion of the site (812 San Pablo Avenue). A Covenant and Environmental Restriction was implemented at the site on December 13, 2002 restricting future use of the entire former auto wrecking facility to industrial, commercial, or office use, with no hospitals, schools, day care centers, or residences permitted. A Soil Management Plan was prepared on October 3, 2002 to present sampling and health and safety procedures to be implemented during site development or site modification that could disturb site soil. Based on

the regulatory closure of the LUST and CPS-SLIC cases, remedial activities conducted to address lead-impacted soil at the subject property, and the presence of residual lead above 255 mg/kg (exceeding residential ESLs), the former auto wrecking operations represents a CREC.

Refer to Section 7.0 for discussion of the northwest adjoining railroad tracks.

Refer to Section 5.0 for discussion of industrial operations at the west adjoining site.

If available, copies of historical sources are provided in Appendix D.

3.1 Aerial Photographs

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the EDR collection of aerial photographs. Aerial photographs were reviewed for the following years (1939-2016 (non-inclusive)):

Year(s)	Subject Property Description	Adjoining Site Descriptions
1939	Undeveloped land with a roadway traversing the center of the subject property	NORTH: Railroad tracks, followed by vacant land EAST: Wooded/undeveloped land SOUTH: Vacant land and agricultural land WEST: Vacant land
1946, 1950	No significant changes	NORTH: No significant changes EAST: No significant changes SOUTH: Vacant land and a small structure WEST: Appears to be graded and used for commercial/industrial purposes
1958	Appears to be utilized for vehicle parking or storage on the west portion; vacant and wooded land on the east portion	NORTH: No significant changes EAST: No significant changes SOUTH: Several commercial buildings and vehicle parking/storage WEST: The existing industrial/building materials plant
1963, 1968	No significant changes	NORTH: No significant changes EAST: No significant changes SOUTH: No significant changes except several additional buildings are present WEST: No significant changes
1974, 1982	No significant changes	NORTH: No significant changes EAST: The existing residential buildings SOUTH: No significant changes WEST: No significant changes
1998	Vacant land	NORTH: No significant changes EAST: The existing residential buildings SOUTH: Commercial buildings; vehicles no longer present WEST: No significant changes
2005	No significant changes	NORTH: Railroad tracks, followed by the existing residential development and vacant land EAST: No significant changes SOUTH: Vacant land WEST: No significant changes

Year(s)	Subject Property Description	Adjoining Site Descriptions
2009, 2012, 2016	Vacant, graded land	NORTH: No significant changes EAST: No significant changes SOUTH: The existing commercial buildings WEST: No significant changes

Subject property:

- Historical auto-related use - Refer to Section 3.0

Adjoining Site(s):

- Historical auto-related use (south) and industrial use (west) - Refer to Sections 3.0 and 5.1

3.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.

3.3 City Directories

A search of historical city directories was conducted for the subject property utilizing EDR. Please refer to the appendices for a complete list of historical subject property tenants identified by EDR. Directories were reviewed in approximate five-year increments from 1976-2017 (non-inclusive). The first listing for the subject property appeared in 1976. The following table summarizes the results of the city directory search.

Subject Property

Year(s)	Address - Occupant Listed
1976, 1983, 1987, 1992, 1995	850 San Pablo Avenue - Anthony Arley E, Anthony Auto Wrckrs
2000	850 San Pablo Avenue - Anthony Arley E, Sell Rite Auto Sales
2005	850 San Pablo Avenue - Cates, Jerry E

If listed above, XXXX indicates that the address is valid but there is no occupancy information available.

No listings were found under 830 San Pablo Avenue.

A search of historical city directories was also conducted for the adjoining sites noted below utilizing EDR. Please refer to the appendices for a complete list of historical adjoining site tenants identified by EDR. The table below summarizes the potential tenants of concern based on AEI's review of the historical city directories.

Direction	Address(es)
North	648 Carlotta Circle
East	937 Scanlan Way 530 Sunnyview Drive

Direction	Address(es)
	560-580 Sunnyview Drive
South	818-828 San Pablo Avenue
West	800 San Pablo Avenue

Adjoining Properties

Year(s)	Address - Tenant/Use of Concern
NORTH	
N/A	No tenants of concern identified
EAST	
N/A	No tenants of concern identified
SOUTH	
N/A	No tenants of concern identified
WEST	
1976-2014	800 San Pablo Avenue - Sugar City Building Materials Co

Subject property:

- Historical auto wrecking and auto sales facility - Refer to Section 3.0 and 4.6

Adjoining Site:

- Industrial facility - Refer to Section 5.1

3.4 Historical Topographic Maps

A search of historical topographic maps was conducted for the subject property utilizing NETR Online (www.historicaerials.com). Historical topographic maps were reviewed for the years 1915-2018 (non-inclusive). Topographic maps were reviewed for the following years:

Year(s)	Subject Property Description	Adjoining Site Descriptions
1916, 1927, 1942, 1947	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: No features depicted SOUTH: No features depicted WEST: No features depicted
1951, 1957	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: No features depicted SOUTH: Two structures just above San Pablo Avenue WEST: No features depicted
1961	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: No features depicted SOUTH: Four structures just above San Pablo Avenue WEST: No features depicted
1969	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: No features depicted

Year(s)	Subject Property Description	Adjoining Site Descriptions
		SOUTH: Four small and one large structure just above San Pablo Avenue WEST: No features depicted
1981	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: No features depicted SOUTH: Four small and two large structure just above San Pablo Avenue WEST: No features depicted
1985	No features depicted	NORTH: Railroad tracks, followed by no features depicted EAST: Shaded for urban development SOUTH: Four small and two large structure just above San Pablo Avenue WEST: No features depicted
2012, 2015, 2018	No features depicted	No features depicted

Subject property:

- No potential environmental concerns identified

Adjoining Site(s):

- No potential environmental concerns identified

3.5 Chain of Title

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1 Local Environmental Health Department and/or State Environmental Agency

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Contra Costa County Department of Environmental Health (CCCDEH)	August 16, 2022	Email	Erika Amaya, Clerk Specialist	No records on file

4.2 Fire Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Pinole Fire Department (-PFD)	August 16, 2022	Online	N/A	No records on file

4.3 Building Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Pinole Building Department (PBD)	August 16, 2022	Online	N/A	No records on file

4.4 Planning Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Pinole Planning Department (PPD)	August 16, 2022	Online	N/A	No evidence indicating the existence of AULs on file for the subject property; however, please note that a Covenant and Environmental Restriction was implemented at the site on December 13, 2002. Please see discussions below for additional information.

4.5 Assessor's Office

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Contra Costa County Assessor's Office	August 16, 2022	Online	N/A	Information obtained is discussed below

Records Summary

APN	402-230-022, 402-230-020, 402-230-018, 402-230-017, 402-230-016, 402-230-015016, and 402-230-015
Acreage	7.37

Construction Date	Not provided
Building Square Footage	Not provided
Current Owner	City of Pinole

4.6 Other Agencies Searched

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
CA State Water Resources Control Board (SWRCB) GeoTracker	August 16, 2022	Online	N/A	Records discussed below
SWRCB GeoTracker Historical Hazardous Substance Storage Information	August 16, 2022	Online	N/A	No records on file
CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)	August 16, 2022	Online	N/A	No records on file
CA DTSC EnviroStor	August 16, 2022	Online	N/A	No records on file
Bay Area Air Quality Management District (BAAQMD)	August 16, 2022	Email	Rochele Henderson, Public Records	No records on file

SWRCB GeoTracker Database Summary

Anthony's Auto Wreckers Inc. (T0601300526) - 850 San Pablo Avenue

According to information obtained from the GeoTracker website, 850 San Pablo Avenue (which includes the subject property and surrounding area to the south) was identified as a closed LUST cleanup site in which a release of lead and TPHg was found to have affected soils beneath the site. The site was formerly equipped with two 1,000-gallon gasoline USTs, one used to store new fuel and one used to store fuel removed from vehicles in preparation for wrecking. The former USTs were located on the south portion of the auto wrecking facility, approximately 500 feet south of the subject property (currently addressed as 812 San Pablo Avenue). Over-excavation of 75 cubic yards of contaminated soil was removed from the tank pit in 1992, and the UST case was granted closure. In 2000, the case was reopened by the Regional Water Quality Control Board to evaluate the potential presence of MtBE in site groundwater. Subsurface investigations conducted between 2000 and 2001 indicated elevated concentrations of petroleum hydrocarbons in the vicinity of the former tank pit, and a Remedial Action Plan was developed for the site. The RAP was implemented in 2002 and consisted of the removal of approximately 1,000 cubic yards of impacted soil, purging of approximately 6,000 gallons of groundwater, and the addition of 500 lbs of Oxygen Release Compounds (ORCs). Following the implementation of the RAP, low levels of remedial contamination was found to remain in the former tank vicinity including groundwater containing up to 7.7 ppb benzene and 2.2 ppb MtBE; and soil containing up to 330 ppb benzene, up to 13 ppb toluene, up to 38 ppb xylene, up to 17 ppb ethylbenzene, and up to 1,800 ppb TPHg. The site was granted closure with respect to the former USTs on June 25, 2002. A Covenant and Environmental Restriction was implemented at the site on December 13, 2002 restricting future use of the site to commercial and/or industrial uses. The site was subdivided into the three existing parcels including the subject property (830 San Pablo Avenue), the south adjoining property (818-828 San Pablo Avenue),

and the southernmost portion of the site (812 San Pablo Avenue). In 2012, a variance to the deed restriction to allow daycare use of a portion of the building at 812 San Pablo Avenue was approved.

Refer to the discussion below for information regarding the CPS-SLIC investigation related to motor oil and lead-impacted soil remediation at the site.

Anthony's Auto Wrecking (SL601392684) - 850 San Pablo Avenue

According to information obtained from the GeoTracker website, 850 San Pablo Avenue (which includes the subject property and surrounding area to the south) was identified as a closed Cleanup Program Site. The CPS-SLIC cleanup case was opened in 2002 for oversight of the remediation of motor oil and lead-impacted soil remediation of the subject property and south surrounding sites resulting from historical auto wrecking operations. Four areas of concern were identified as requiring remediation including two areas with lead exceeding industrial ESLs (one of which was located on the northern portion of the subject property; see Figure 2), a third area with elevated TPHmo in soil in the vicinity of a former engine draining area (located off site approximately 500 feet south of the subject property), and the fourth area consisting of the former UST pit (located off site approximately 500 feet south of the subject property; see discussion above). In 2002, a total of 2,800 tons of lead-impacted soil were removed to 2 feet bgs from an area of the subject property and an area on the south adjoining property, and 742 tons of TPH-impacted soil were removed from the former engine draining area. A No Further Action letter issued on December 23, 2002 notes that although confirmation soil samples indicated concentrations of lead below commercial/industrial ESLs, residual concentrations of lead above residential ESLs (255 mg/kg). A deed restriction (discussed above) was implemented at the site and the CPS-SLIC cleanup case was granted closure by the RWQCB on December 23, 2002.

Refer to Section 3.0 for further discussion of the historical auto wrecking facility and deed restriction pertaining to the portion of the site comprising the subject property.

4.7 Oil and Gas Wells

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
California Geologic Energy Management Division (CalGEM)	August 16, 2022	CalGEM Map	No

4.8 Oil and Gas Pipelines

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping System (NPMS)	August 16, 2022	NPMS Public Map Viewer	Information obtained is discussed below

According to information obtained from the NPMS Public Map Viewer, an active underground natural gas pipeline operated by PG&E is located approximately 500 feet southeast of the subject property; see NPMS map in appendices. No stressed vegetation or olfactory indications of a release were observed in the vicinity of the pipeline and no records of past releases or violations associated with this pipeline were identified within the regulatory database or NPMS Public Map Viewer. Due to its contents, the natural gas pipeline is not

expected to represent a potential threat to soil or groundwater conditions at the subject property. Based on this information, the pipeline does not appear to represent a significant environmental concern to the subject property at this time.

4.9 State Environmental Superliens

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

4.10 State Property Transfer Laws

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The minimum search distance from the federal and state environmental records database listings specified in the current ASTM Standard E1527 is included in Section 5.1. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below as well as the total number of sites identified, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

Regulatory database listings associated with the subject property, adjoining site(s) and/or nearby sites of concern that were determined to warrant additional discussion are identified and further discussed in Section 5.1.

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
Federal NPL (Superfund) sites	1.0			
Federal Delisted NPL sites	1.0			
Federal CERCLA removals/orders lists	0.5			
Federal CERCLA sites with NFRAP	0.5			
Federal RCRA facilities undergoing Corrective Action	1.0			
Federal RCRA TSD facilities	0.5			
Federal RCRA generator lists (LQG, SQG, VSQG)	SP/ADJ			
Federal RCRA NonGen/NLR list	SP/ADJ		✔	
Federal IC/EC registries	SP			
Federal ERNS list	SP			
State- and tribal "Superfund" equivalent sites	1.0			
State- and tribal hazardous waste facilities	1.0	✔		
State/Tribal landfill and solid waste disposal lists	0.5			
State/Tribal leaking storage tanks	0.5	✔	✔	
State/Tribal registered storage tanks	SP/ADJ			
State/Tribal voluntary cleanup sites	0.5			

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
State/Tribal EC/IC registries	SP			
State/Tribal brownfield sites	0.5			
Orphans	N/A			
Additional Environmental Record lists	SP/ADJ	✔	✔	

Facility Name	Anthony's Auto Wrecking/Anthony Auto Wreckers Inc.
Address	850 San Pablo Avenue
Distance & Direction	Subject Property and surrounding area to the south
Hydrologic Position	N/A
Databases Listed	CPS-SLIC (x2), DEED, SWEEPS UST, HIST UST, LUST, CORTESE, ENF, HIST CORTESE, CONTRA COSTA CO. SITE LIST, CIWQS, CERS
Comments	According to the regulatory database, the subject property and surrounding area to the south formerly operated as an auto wrecking facility that is associated with a closed LUST cleanup investigation and a closed LUST cleanup investigation. The site formerly held a basic stormwater industrial discharge permit that was terminated in 1998. Refer to Section 3.0 and 4.6 for further discussion.

Facility Name	Fairfield Properties LP/Bayside Apartments/Fairside Bayside LLC/Fairfield Residential Bayside 535-201
Address	520-530 Sunnyview Drive
Distance & Direction	Adjoining to the east
Hydrologic Position	Cross-gradient
Databases Listed	RCRA NonGen/NLR (x7)
Comments	According to the regulatory database, this site was listed as a RCRA NonGen for the generation of unspecified hazardous waste. No violations were noted. Based on the lack of a documented release, the review of regulatory agency files for this site was not deemed necessary, and the site is not expected to represent a significant environmental concern.

Facility Name	Sugar City Building Materials
Address	800 San Pablo Avenue
Distance & Direction	Adjoining to the west
Hydrologic Position	Cross-gradient
Databases Listed	LUST (x2), CERS HAZ WASTE, CERS TANKS, ENF, CONTRA COSTA CO. SITE LIST, CERS (x2), RCRA NonGen/NLR (x2), HIST UST, CORTESE, HWTS, AST, SWEEPS UST, FINDS, EMI, NPDES
Comments	According to the regulatory database, historical sources, and information obtained from the GeoTracker website, this site has historically operated as a building materials/concrete plant that was identified as a closed LUST cleanup site. The site was listed as being equipped with a total of 10,000 gallons of aboveground petroleum storage and holds an active basic industrial stormwater discharge permit. The site was formerly equipped with one 4,000-gallon gasoline UST and one 12,000-gallon diesel UST that were removed from the site in 1999 and replaced with ASTs. A total of 11 groundwater monitoring wells were installed at the site, which indicated elevated concentrations of TPHg, TPHd, and BTEX; MtBE was not detected in soil or groundwater. Groundwater monitoring was conducted periodically between 2002 and 2012, and sampling

	following remediation indicated residual concentrations of TPHg up to 350 ppb, TPHd up to 79 ppb, and BTEX up to 83 ppb. The site was granted closure by the RWQCB on June 13, 2017. Several wells were advanced to the west of the subject property, between 100 feet west and 200 feet southwest. As of 2009, non detect levels of contaminants were detected in the well located 100 feet west of the subject property. The two remaining wells located approximately 200 feet southwest revealed low levels of contaminants of concern. Based on the regulatory closure of the release listing and review of available groundwater data, this site is not expected to represent a significant environmental concern.

Facility Name	Pinole Bait and Tackle/Time Oil Company
Address	825 San Pablo Avenue
Distance & Direction	Approximately 800 feet south
Hydrologic Position	Up-gradient
Databases Listed	SWEEPS UST, HIST UST, LUST, CORTESE, ENF, HIST CORTESE, CONTRA COSTA CO. SITE LIST, CERS
Comments	According to the regulatory database and information obtained from GeoTracker, this site was listed as a closed LUST cleanup site in which a release of gasoline was found to have affected soil and groundwater beneath the site. The site was formerly equipped with one 500-gallon used oil UST, one 4,000-gallon used oil UST, one 4,000-gallon gasoline UST, one 8,000-gallon gasoline UST, and one 10,000-gallon gasoline UST that were removed from the site in 1986. Site investigations conducted between 1998 and 2000 indicate a plume of residual contaminants remains in the vicinity of the former USTs and have not migrated off-site. The case was granted closure on March 27, 2008. Based on the regulatory closure of the release listing and review of available groundwater data, this site is not expected to represent a significant environmental concern. Additional listings: This facility was also listed on other database(s) as noted above; however, as these listings are not associated with a release, the radii prescribed by the current ASTM Standard E1527 standard does not require that these listings be specifically discussed. Notwithstanding, based on our review of available information, none of these listings appears to pose a significant environmental concern in connection with the subject property at this time.

5.2 Vapor Migration

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

AEI did not identify significant on-site concerns and/or regulated listings from nearby sites which suggest that a vapor-phase migration concern currently exists at the subject property.

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to the current ASTM Standard E1527, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

6.1.1 OWNER AND KEY SITE MANAGER

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner Representative	City of Pinole	N/A	N/A	Unknown	Not interviewed; refer to Section 1.5
Key Site Manager	John Diemer, Vice President of Construction, OneCorp Global	August 30, 2022		Unknown	Interview pending; refer to Section 1.5

INTERVIEW SUMMARY

Question	Owner (Representative) Response/ Comment	Key Site Manager Response/ Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	N/A	N/A
Do you have any knowledge of previous environmental investigations conducted on site?	N/A	N/A
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	N/A	N/A
Are you aware of any known plans for site redevelopment or change in site use?	N/A	N/A
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	N/A
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	N/A
Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	N/A	N/A
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	N/A	N/A

6.1.2 PAST OWNERS, OPERATORS, AND OCCUPANTS

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.

6.1.3 Interview with Others

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to the current ASTM Standard E1527 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental liens that are filed or recorded against the property (40 CFR 312.25) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	Information not provided
2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	Information not provided
3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Information not provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Information not provided
5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example: (a) Do you know the past uses of the property? (b) Do you know of specific chemicals that are present or once were present at the	Information not provided

Question	Response/ Comment
property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property?	
6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?	Information not provided

6.3 Previous Reports and Other Provided Documentation

No prior reports or other relevant documentation in association with the subject property was made available to AEI during the course of this assessment.

6.4 Environmental Lien Search

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.

7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	August 30, 2022
AEI Site Assessor(s)	Lea Palumbo
Property Escort(s)/ Relationship(s) to Property	N/A - no property escort provided
Units/Areas Observed	An overview of the subject property from the perimeter
Area(s) not accessed and reason(s)	Refer to Section 1.5 for discussion of limiting condition(s)
Other Physical Constraints	Overgrown vegetation Refer to Section 1.5 for discussion of limiting condition(s)

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjoining Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use		
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)		
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids		✔
Interior Stains or Corrosion		
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers	✔	✔
Pits, Ponds, and Lagoons		
Stained Soil or Pavement		
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems		
Biomedical Wastes		
Other		✔

7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.1.1 DRAINS, SUMPS, AND CLARIFIERS

Several storm drains were observed on the northeast portion of the subject property. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drains. Based on the use of the drains solely for storm water runoff, the presence of the drains is not expected to represent a significant environmental concern.

7.2 Adjoining Property Reconnaissance Findings

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.2.1 Electrical or Mechanical Equipment Likely to Contain Fluids

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Transformer(s)

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Several pole-mounted and pad-mounted transformers were observed on the adjoining sites during the site reconnaissance. No spills, staining, or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

7.2.2 Drains, Sumps, and Clarifiers

Several storm drains were observed in the parking areas of the adjoining properties and adjoining roadways. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drains. Based on the use of the drains solely for storm water runoff, the presence of the drains is not expected to represent a significant environmental concern.

7.2.3 Other

Railroad Tracks

Railroad tracks are located adjoining to the northwest of the subject property. Railroad tracks and spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. Concentrations of these constituents of concern resulting from the railroad right-of-way would likely be confined to the near subsurface sediments and would not present a significant environmental health and safety concern to the occupants of the subject property or the underlying groundwater.

8.0 NON-ASTM SERVICES

8.1 Asbestos-Containing Building Materials

The subject property is currently vacant land and lacks structures. Consequently, no building components containing suspect asbestos containing materials were identified during the site inspection.

8.2 Lead-Based Paint

The subject property is currently vacant land and lacks structures. Consequently, AEI did not observe building components likely to contain suspect LBP during the site reconnaissance.

8.3 Radon

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

Radon sampling was not requested as part of this assessment. According to the California Department of Health Services Radon Database, 12 tests were conducted for radon levels in the subject property zip code (94564) in 2016. All of these tests indicated that radon levels were below the action level of 4.0 pCi/L set forth by the United States EPA. Therefore, radon is not expected to represent a significant environmental concern.

8.4 Mold

The subject property is currently vacant land and lacks structures. Consequently, mold was not addressed as part of this assessment.

9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Lea Palumbo
Project Manager

Reviewed By:

Marsha Thompson
Senior Author

10.0 REFERENCES

Item	Date(s)	Source
Soils Information	Accessed August 2022	USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Topographic Map	2018	USGS, Mare Island
Depth to Groundwater Information	Accessed August 2022	Groundwater data on file for the subject property and south adjoining site (850 San Pablo Avenue), obtained from GeoTracker
Aerial Photographs	1939-2016 (non-inclusive)	EDR
Sanborn Map Report/Search	August 15, 2022	EDR
City Directories	1976-2017 (non-inclusive)	EDR
Historical Topographic Maps	1915-2018 (non-inclusive)	NETR Online (www.historicaerials.com)
Environmental Health Department	August 16, 2022	Contra Costa County Department of Environmental Health
Fire Department	August 16, 2022	Pinole Fire Department
Building Department	August 16, 2022	Pinole Building Department
Planning Department	August 16, 2022	Pinole Planning Department
Assessor's Information and Parcel Map	August 16, 2022	Contra Costa
Other Agencies Searched	August 16, 2022	SWRCB GeoTracker, DTSC HWTS, and DTSC EnviroStor, BAAQMD
Oil and Gas Wells	August 16, 2022	California Geologic Energy Management Division
Oil and Gas Pipelines	August 16, 2022	NPMS Public Map Viewer https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf
Regulatory Database Report	August 15, 2022	EDR
Interview with Owner	N/A	City of Pinole
Interview with Key Site Manager	August 30, 2022	John Diemer
Radon Zone Information	2016	California Department of Health Services Radon Database https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Test-Results.aspx

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1939-1950	Undeveloped land	Aerial photographs
1958-1992	Vacant land utilized for vehicle storage/parking associated with a larger auto wrecking facility (850 San Pablo Avenue)	Aerial photographs, city directories, agency records
1998-Present	Vacant land (graded circa 2009) (830 San Pablo Avenue)	Aerial photographs, city directories, site observation

FINDINGS

Recognized Environmental Conditions (RECs):

- AEI did not identify evidence of RECs during the course of this assessment.

Controlled Recognized Environmental Conditions (CRECs):

- Based on a review of historical sources and agency records, the subject property and adjoining site to the south formerly operated as an auto wrecking facility between circa1958 and 1992. Based on regulatory agency records and aerial photographs, the western portion of the subject property was utilized for vehicle storage and parking and was not developed with structures during this period of use; the western portion appears to have been largely unused and unimproved. The auto wrecking facility was formerly equipped with two 1,000-gallon gasoline USTs, one used to store new fuel and one used to store fuel removed from vehicles in preparation for wrecking. The former USTs were located on the south portion of the auto wrecking facility, approximately 500 feet south of the subject property (currently addressed as 812 San Pablo Avenue). A RAP was implemented in 2002 and consisted of the removal of approximately 1,000 cubic yards of impacted soil, purging of approximately 6,000 gallons of groundwater, and the addition of 500 lbs of Oxygen Release Compounds (ORCs) in the area of the former USTs. The site was granted closure with respect to the former USTs on June 25, 2002. A CPS-SLIC cleanup case was opened in 2002 for RWQCB oversight of the remediation of motor oil and lead-impacted soil remediation of a portion of the subject property and south surrounding sites resulting from historical auto wrecking/vehicle storage operations. This included an area of lead-impacted soil on the north portion of the subject property (see Figure 2). In 2002, a total of 2,800 tons of lead-impacted soil were removed to 2 feet bgs from an area of the subject property and an area on the south adjoining property. A No Further Action letter issued on December 23, 2002 notes that although confirmation soil samples indicated concentrations of lead below commercial/industrial ESLs, residual concentrations of lead above residential ESLs (255 mg/kg) remained in place. The CPS-SLIC cleanup case was granted closure by the RWQCB on December 23, 2002. The former auto wrecking facility site was subdivided into the three existing properties including the area of the subject property (830 San Pablo Avenue), the south adjoining property (818-828 San Pablo Avenue), and the southernmost portion of the site (812 San Pablo Avenue). A Covenant and Environmental Restriction was implemented at the site on December 13, 2002 restricting future use of the entire former auto wrecking facility to industrial, commercial, or office use, with no hospitals, schools, day care centers, or residences permitted. A Soil Management Plan was prepared on October 3, 2002 to present sampling and health and safety procedures to be implemented during site development or site modification that could disturb site soil. Based on the regulatory closure of the LUST and CPS-SLIC cases, remedial activities conducted to address lead-impacted soil at the subject property, and the presence of residual lead above 255 mg/kg (exceeding residential ESLs), the former auto wrecking operations represents a CREC.

  As noted, residual lead impacts in the soil remain on the subject property. In the event that groundbreaking activities are pursued, construction personnel should be informed that the soil encountered could be contaminated. The contractor should employ appropriate worker safety and engineering controls to protect the health and safety of the construction crew and future occupants during any excavation activities. Furthermore, as may have been expressed during the issuance of regulatory closure

and/or as a good faith practice, the User of this report should note that the applicable agency/agencies should be notified prior to commencing any future change in use and/ or redevelopment of the subject property.

Historical Recognized Environmental Conditions (HRECs):

- AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OECs):

- AEI did not identify evidence of OECs during the course of this assessment.

OPINIONS, CONCLUSIONS, AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard PracticeE1527-13 and E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) of 830 San Pablo Avenue, Pinole, Contra Costa County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the property except for those previously identified in the Findings section. AEI recommends the following:

- Adherence to the Covenant and Environmental Restriction and Soil Management Plan during redevelopment activities

Please contact Nikki Driskill at (804) 971-0037 or ndriskill@aeiconsultants.com.

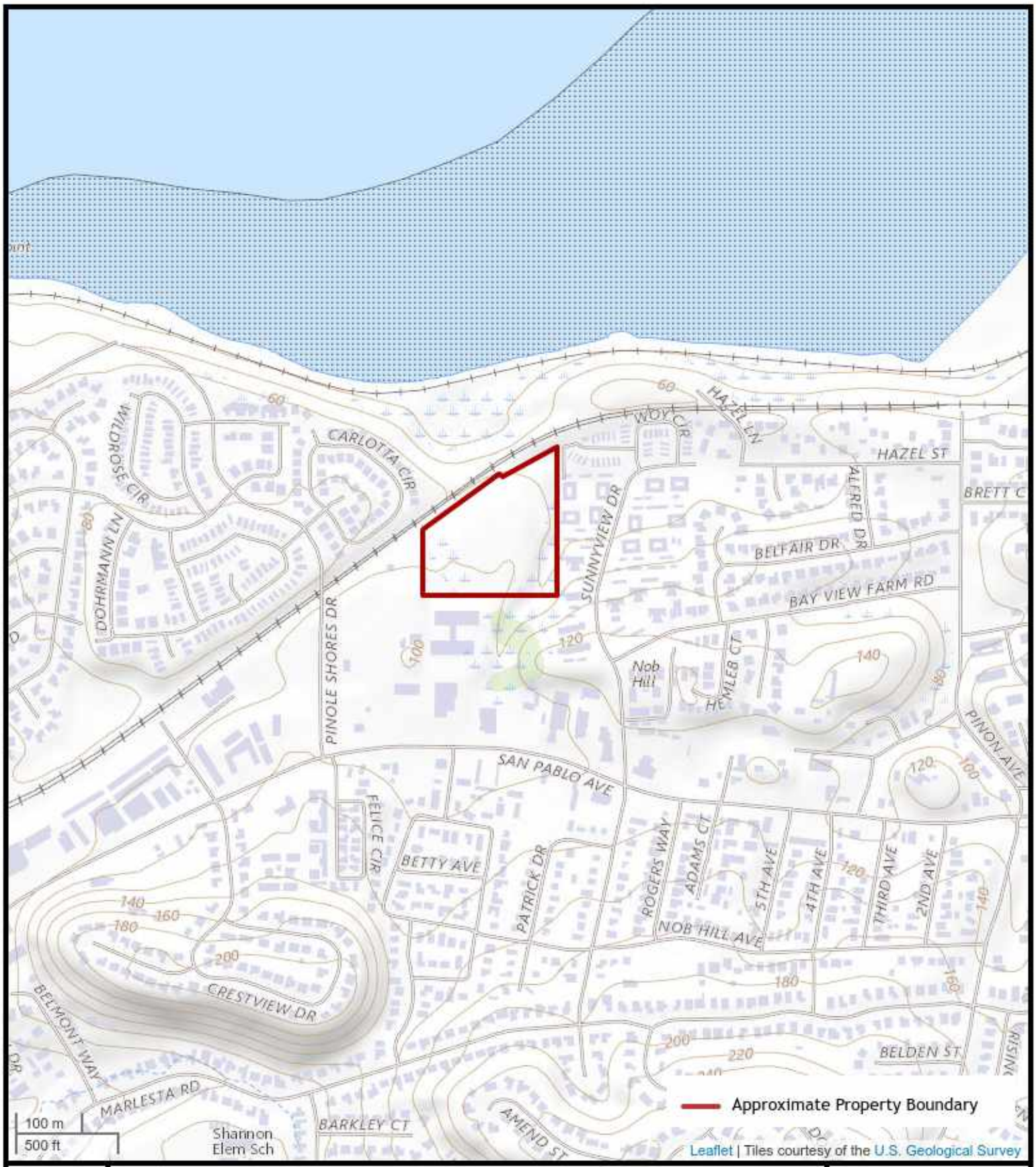
Sincerely,

Nikki Driskill

Nikki Driskill
Senior Business Development Manager

APPENDIX A

FIGURES



N

FIGURE 1: TOPOGRAPHIC MAP

830 San Pablo Avenue, Pinole, California 94564

AEI Project Number: 467803

AEI

N

FIGURE 2: SITE MAP

830 San Pablo Avenue, Pinole, California 94564

AEI Project Number: 467803

AEI

APPENDIX B

PROPERTY PHOTOGRAPHS

1. South side of subject property

2. South portion of subject property

3. Central portion of the subject property

4. East portion of subject property

5. West portion of subject property

6. Northern portion of subject property

7. Northeast portion of subject property

8. Wooded area on east portion of subject property

9. Storm drains on northeast portion of subject property

10. Storm drain on northeastern portion of subject property

11. North adjoining railroad tracks

12. North adjoining residence

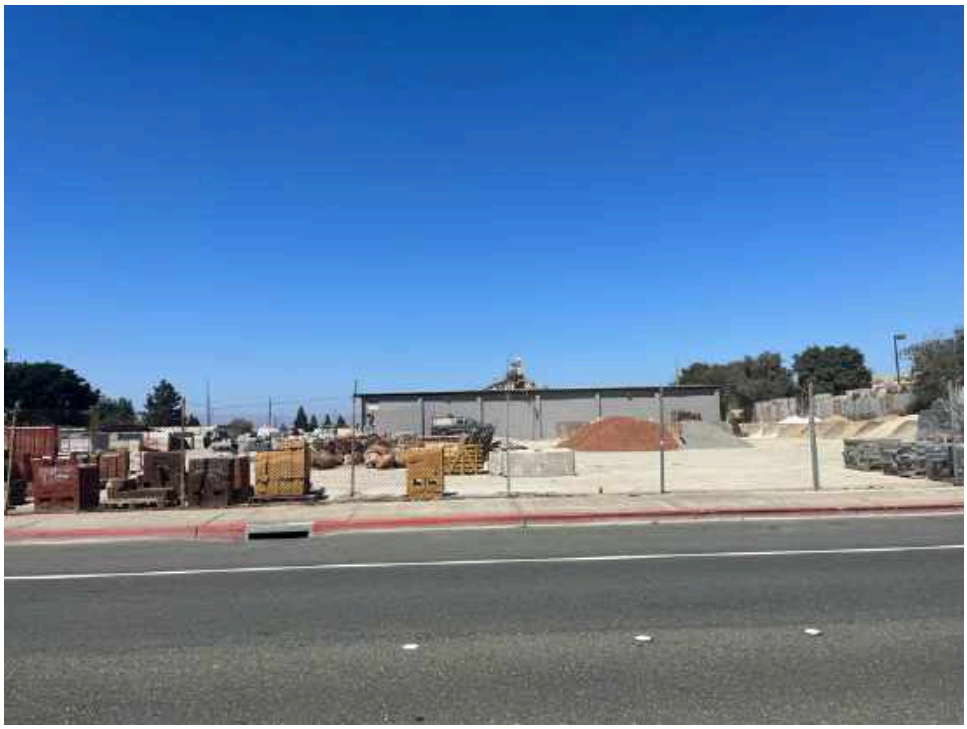
13. North adjoining railroad tracks and vacant land

14. East adjoining residential buildings

15. East adjoining residential buildings

16. East adjoining residential buildings

17. South adjoining commercial building



18. West adjoining industrial property

APPENDIX C

REGULATORY DATABASE

467803
830 San Pablo Avenue
Pinole, CA 94564

Inquiry Number: 7085970.2s
August 15, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	492
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

830 SAN PABLO AVENUE
PINOLE, CA 94564

COORDINATES

Latitude (North):	38.0078910 - 38ˆ 0' 28.40''
Longitude (West):	122.3071860 - 122ˆ 18' 25.86''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	560822.6
UTM Y (Meters):	4206711.5
Elevation:	78 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602140 MARE ISLAND, CA
Version Date:	2012
South Map:	5640624 RICHMOND, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140608
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
830 SAN PABLO AVENUE
PINOLE, CA 94564

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FAIRFIELD PROPERTIES	520 SUNNYVIEW DRIVE	RCRA NonGen / NLR	Lower	54, 0.010, ENE
B2	SUGAR CITY BUILDING	800 SAN PABLO AVE	LUST, CERS HAZ WASTE, CERS TANKS, ENF, CONTRA...	Higher	143, 0.027, SW
B3	SUGAR CITY BUILDING	800 SAN PABLO AVE	RCRA NonGen / NLR	Higher	143, 0.027, SW
B4	SUGAR CITY BUILDING	800 SAN PABLO AVE	LUST, HIST UST, Cortese	Higher	143, 0.027, SW
B5	CENTRAL CONCRETE SUP	800 SAN PABLO AVE	RCRA NonGen / NLR	Higher	143, 0.027, SW
B6	SUGAR CITY BUILDING	800 SAN PABLO AVE	AST, SWEEPS UST, FINDS, EMI, NPDES, CERS, HWTS	Higher	143, 0.027, SW
A7	BAYSIDE APARTMENTS	530 SUNNYVIEW DR	RCRA NonGen / NLR	Lower	214, 0.041, ENE
A8	FAIRSIDE BAYSIDE LLC	530 SUNNYVIEW DR	RCRA NonGen / NLR	Lower	214, 0.041, ENE
A9	FAIRFIELD PROPERTIES	530 SUNNYVIEW DRIVE	RCRA NonGen / NLR	Lower	214, 0.041, ENE
A10	FAIRFIELD RESIDENTIA	530 SUNNYVIEW DR, #5	RCRA NonGen / NLR	Lower	214, 0.041, ENE
A11	FAIRFIELD RESIDENTIA	530 SUNNYVIEW DR,	RCRA NonGen / NLR	Lower	214, 0.041, ENE
A12	FAIRFIELD BAYSIDE LL	530 SUNNYVIEW DR,	RCRA NonGen / NLR	Lower	214, 0.041, ENE
C13	1030 BAYVIEW FARM RO	585 SUNNYVIEW RD	RCRA NonGen / NLR	Higher	231, 0.044, SE
C14	BAYVIEW FARM DEL, LL	585 SUNNYVIEW DR, UN	RCRA NonGen / NLR	Higher	231, 0.044, SE
15	CITY OF PINOLE	651 PINOLE SHORES DR	RCRA NonGen / NLR	Higher	488, 0.092, SW
16	1030 BAYVIEW FARM RO	1030 BAY VIEW FARM R	RCRA NonGen / NLR	Higher	526, 0.100, ESE
D17	CROCKETT'S PREMIER A	900 SAN PABLO AVE	HAZNET, CONTRA COSTA CO. SITE LIST, HWTS	Higher	541, 0.102, SSE
D18	CROCKETTS PREMIER AU	900 SAN PABLO AVE	RCRA NonGen / NLR	Higher	541, 0.102, SSE
D19	CROCKETT'S PREMIER A	900 SAN PABLO AVE	CERS HAZ WASTE, CERS	Higher	541, 0.102, SSE
E20	BAYSIDE APARTMENTS	535 SUNNYVIEW DR	RCRA NonGen / NLR	Higher	565, 0.107, East
E21	BAYSIDE APARTMENTS	535 SUNNYVIEW	RCRA NonGen / NLR	Higher	565, 0.107, East
E22	BAYSIDE APARTMENTS	535 SUNNYVIEW DR	RCRA NonGen / NLR	Higher	565, 0.107, East
E23	BAYSIDE APARTMENTS	535 SUNNYVIEW DR	RCRA NonGen / NLR	Higher	565, 0.107, East
E24	BAYSIDE APARTMENTS	535 SUNNYVIEW DR	RCRA NonGen / NLR	Higher	565, 0.107, East
F25	SUSAN L NUTTLE DDS I	806 SAN PABLO AVE ST	RCRA NonGen / NLR	Higher	576, 0.109, South
E26	FAIRFIELD PROPERTIES	525 SUNNYVIEW DRIVE	RCRA NonGen / NLR	Lower	577, 0.109, ENE
E27	FAIRFIELD PROPERTIES	525 SUNNYVIEW DRIVE	RCRA NonGen / NLR	Lower	577, 0.109, ENE
E28	FAIRFIELD PROPERTIES	525 SUNNYVIEW DR	RCRA NonGen / NLR	Lower	577, 0.109, ENE
G29	WEST COAST ARBORISTS	760 SAN PABLO AVE	CONTRA COSTA CO. SITE LIST, HWTS	Higher	664, 0.126, SW
G30	WEST COAST ARBOISTS	760 SAN PABLO AVE	RCRA NonGen / NLR	Higher	664, 0.126, SW
G31	BRADSHAW CONCRETE	760 SAN PABLO AVE	LUST, Cortese, HIST CORTESE, CERS	Higher	664, 0.126, SW
G32	S & L BODY & FRAME	760 SAN PABLO AVE BL	RCRA NonGen / NLR	Higher	664, 0.126, SW
G33	WEST COAST ARBORISTS	760 SAN PABLO AVE	RCRA NonGen / NLR	Higher	664, 0.126, SW
D34	ABB OPTICAL GROUP LL	920 SAN PABLO AVE	RCRA NonGen / NLR	Higher	673, 0.127, SSE
D35	ABB CONCISE OPTICAL	920 SAN PABLO AVE	HAZNET, CONTRA COSTA CO. SITE LIST, HWTS	Higher	673, 0.127, SSE
F36	ANTHONY'S AUTO WRECK	850 SN PABLO AVENUE	CPS-SLIC, DEED	Higher	674, 0.128, South
F37	ANTHONY AUTO WRECKER	850 SAN PABLO AVENUE	SWEEPS UST, HIST UST	Higher	674, 0.128, South
F38	ANTHONY AUTO WRECKER	850 SAN PABLO AVE	LUST, CPS-SLIC, Cortese, ENF, HIST CORTESE, CONTRA...	Higher	674, 0.128, South
H39	ANIMAL SERVICES FACI	910 SAN PABLO AVE	HAZNET, CONTRA COSTA CO. SITE LIST, HWTS	Higher	777, 0.147, SSE

MAPPED SITES SUMMARY

Target Property Address:
830 SAN PABLO AVENUE
PINOLE, CA 94564

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	CONTRA COSTA ANIMAL	910 SAN PABLO AVE	RCRA NonGen / NLR	Higher	777, 0.147, SSE
F41	PINOLE BAIT AND TACK	825 SAN PABLO AVE	SWEEPS UST, HIST UST	Higher	801, 0.152, South
F42	TIME OIL COMPANY	825 SAN PABLO AVE	LUST, Cortese, ENF, HIST CORTESE, CONTRA COSTA CO....	Higher	801, 0.152, South
H43	WEST CAT	953 SAN PABLO AVE B	CONTRA COSTA CO. SITE LIST	Higher	904, 0.171, SSE
44	JEFF SCOTT	1141 BELFAIR DR	RCRA NonGen / NLR	Higher	968, 0.183, East
I45	CORTEZ TIRES AND AUT	730 SAN PABLO AVE BL	RCRA NonGen / NLR	Higher	1046, 0.198, SW
I46	CORTEZ TIRES AND AUT	730 SAN PABLO AVE #2	CERS HAZ WASTE, CERS	Higher	1046, 0.198, SW
I47	S&L BODY AND FRAME	730 SAN PABLO AVE BL	RCRA NonGen / NLR	Higher	1046, 0.198, SW
I48	LETCHER BROS AUTO RE	730 SAN PABLO AVE BL	RCRA NonGen / NLR	Higher	1046, 0.198, SW
I49	HOLLERAN'S FABRICATI	730 SAN PABLO AVE 3	CONTRA COSTA CO. SITE LIST	Higher	1046, 0.198, SW
I50	S&L BODY AND FRAME	730 SAN PABLO AVE BU	CERS HAZ WASTE	Higher	1046, 0.198, SW
I51	S&L BODY AND FRAME	730 SAN PABLO AVE 1	CONTRA COSTA CO. SITE LIST	Higher	1046, 0.198, SW
52	CHRISTINA LOK	942 PATRICK DRIVE	RCRA NonGen / NLR	Higher	1094, 0.207, SSE
J53	SMART STOP	1007 SAN PABLO AVE	UST	Higher	1154, 0.219, SSE
J54	FOOD & LIQUOR	1007 SAN PABLO AVE	LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,...	Higher	1154, 0.219, SSE
I55	HOLLERAN'S PERFORMAN	720 SAN PABLO AVE F	CONTRA COSTA CO. SITE LIST	Higher	1169, 0.221, SW
I56	DREAM'S AUTO COLLISI	720 SAN PABLO AVE D	CONTRA COSTA CO. SITE LIST	Higher	1169, 0.221, SW
I57	DAVE'S AUTO REPAIR	720 SAN PABLO AVE A	CONTRA COSTA CO. SITE LIST	Higher	1169, 0.221, SW
I58	DREAM'S AUTO COLLISI	720 SAN PABLO AVE #D	CERS HAZ WASTE, HAZNET, HWTS	Higher	1169, 0.221, SW
I59	DAVE'S AUTO REPAIR	720A SAN PABLO AVE	RCRA NonGen / NLR	Higher	1169, 0.221, SW
I60	DAVE'S AUTO REPAIR	720 SAN PABLO AVE SU	CERS HAZ WASTE, CERS	Higher	1169, 0.221, SW
I61	DREAM'S AUTO COLLISI	720 SAN PABLO AVE ST	RCRA NonGen / NLR	Higher	1169, 0.221, SW
I62	DAVE'S AUTO REPAIR	720A SAN PABLO AVE	HAZNET, CONTRA COSTA CO. SITE LIST, HWTS	Higher	1169, 0.221, SW
K63	WESTERN CONTRA COSTA	601 WALTER AVE	RCRA NonGen / NLR	Lower	1313, 0.249, WSW
K64	WESTERN CONTRA COSTA	601 WALTER AVE	LUST, EMI, HIST CORTESE, NPDES, CONTRA COSTA CO....	Lower	1313, 0.249, WSW
K65	WESTERN CONTRA COSTA	601 WALTER AVE	UST	Lower	1313, 0.249, WSW
K66	WESTERN CONTRA COSTA	601 WALTER AVE	UST	Lower	1313, 0.249, WSW
K67	WCCCTA BUS OPERATION	601 WALTER AVE	LUST, Cortese, WDS, CERS	Lower	1313, 0.249, WSW
K68	WESTERN CONTRA COSTA	601 WALTER AVE	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Lower	1313, 0.249, WSW
L69	AT&T MOBILITY - ROBL	1106 SAN PABLO AVE	CONTRA COSTA CO. SITE LIST	Higher	1318, 0.250, SE
L70	GOZZANO PROPERTY	701 5 SAN PABLO AVE	LUST, Cortese, HIST CORTESE, CERS	Higher	1515, 0.287, SE
71	MAJOR LINES GASOLINE	1390 SAN PABLO AVE	LUST, CERS HAZ WASTE, CERS TANKS, Cortese, ENF,...	Higher	1671, 0.316, SE
72	CA AUTISM FOUNDATION	982 MARLESTA ROAD	ENVIROSTOR	Higher	1975, 0.374, SSE
73	SNOW WHITE CLEANERS	610 SAN PABLO AVE	RCRA-SQG, CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE,...	Higher	2515, 0.476, SW
M74	HERCULES PROPERTIES,	560 RAILROAD AVENUE	HIST Cal-Sites, CA BOND EXP. PLAN	Lower	3628, 0.687, ENE
M75	HERCULES PROPERTIES	560 RAILROAD AVE	RESPONSE, ENVIROSTOR, DEED, Cortese, HIST CORTESE,...	Lower	3628, 0.687, ENE
76	APPIAN 80 EXPRESS CL	1577 TARA HILLS DR	ENVIROSTOR, VCP, CERS HAZ WASTE, DRYCLEANERS, EMI,...	Higher	4451, 0.843, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register
AQUEOUS FOAM..... Former Fire Training Facility Assessments Listing
PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

EXECUTIVE SUMMARY

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities

EXECUTIVE SUMMARY

EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System
HWTS	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERCULES PROPERTIES	***560 RAILROAD AVE***	***ENE 1/2 - 1 (0.687 mi.)***	***M75***	***438***
Database: RESPONSE, Date of Government Version: 04/25/2022 Status: Certified / Operation & Maintenance Facility Id: 07280016				

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CA AUTISM FOUNDATION Facility Id: 07830003 Status: No Action Required	982 MARLESTA ROAD	SSE 1/4 - 1/2 (0.374 mi.)	72	380
APPIAN 80 EXPRESS CL Facility Id: 60001904 Status: Active	***1577 TARA HILLS DR***	***SSE 1/2 - 1 (0.843 mi.)***	***76***	***458***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERCULES PROPERTIES Facility Id: 07280016 Status: Certified / Operation & Maintenance	***560 RAILROAD AVE***	***ENE 1/2 - 1 (0.687 mi.)***	***M75***	***438***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B2***	***14***
Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601392760 Status: Completed - Case Closed				
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B4***	***55***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Id: 07-0804 Facility Status: Preliminary site assessment workplan submitted				
BRADSHAW CONCRETE	***760 SAN PABLO AVE***	***SW 1/8 - 1/4 (0.126 mi.)***	***G31***	***139***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300624 date9: 5/1/1998 Status: Completed - Case Closed Facility Id: 07-0675 Facility Status: Case Closed				
ANTHONY AUTO WRECKER	***850 SAN PABLO AVE***	***S 1/8 - 1/4 (0.128 mi.)***	***F38***	***160***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300526 date9: 6/25/2002 Status: Completed - Case Closed Facility Id: 07-0570 Facility Status: Case Closed				
TIME OIL COMPANY	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F42***	***188***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300308 Status: Completed - Case Closed Facility Id: 07-0329 Facility Status: Leak being confirmed				
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300134 Status: Completed - Case Closed Facility Id: 07-0144 Facility Status: Post remedial action monitoring				
GOZZANO PROPERTY	***701 5 SAN PABLO AVE***	***SE 1/4 - 1/2 (0.287 mi.)***	***L70***	***349***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300738				

Status: Completed - Case Closed
Facility Id: 07-0795
Facility Status: Leak being confirmed

MAJOR LINES GASOLINE ***1390 SAN PABLO AVE*** ***SE 1/4 - 1/2 (0.316 mi.)*** ***71*** ***352***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 05/23/2022
Global Id: T0601300713
date9: 6/1/2000
Status: Completed - Case Closed
Facility Id: 07-0767
Facility Status: Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K64***	***277***
Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0601300514 Status: Completed - Case Closed				
WCCCTA BUS OPERATION	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K67***	***290***
Database: LUST REG 2, Date of Government Version: 09/30/2004 date9: 7/31/1997 Facility Id: 07-0557 Facility Status: Case Closed				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY'S AUTO WRECK	***850 SN PABLO AVENUE***	***S 1/8 - 1/4 (0.128 mi.)***	***F36***	***158***
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: SL601392684 Facility Status: Completed - Case Closed Facility Id: 07S0139				
ANTHONY AUTO WRECKER	***850 SAN PABLO AVE***	***S 1/8 - 1/4 (0.128 mi.)***	***F38***	***160***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T10000006730 Facility Status: Completed - Case Closed				
SNOW WHITE CLEANERS	***610 SAN PABLO AVE***	***SW 1/4 - 1/2 (0.476 mi.)***	***73***	***381***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: SL0601331885 Facility Status: Completed - Case Closed				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMART STOP Database: UST, Date of Government Version: 03/07/2022 Facility Id: 07-000-770151	1007 SAN PABLO AVE	SSE 1/8 - 1/4 (0.219 mi.)	J53	217

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA Database: UST, Date of Government Version: 03/07/2022 Facility Id: 07-000-771284	601 WALTER AVE	WSW 1/8 - 1/4 (0.249 mi.)	K65	290
WESTERN CONTRA COSTA Database: UST, Date of Government Version: 03/07/2022 Facility Id: 771284	601 WALTER AVE	WSW 1/8 - 1/4 (0.249 mi.)	K66	290

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING Database: AST, Date of Government Version: 07/06/2016	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B6***	***59***

Lists of state and tribal brownfield sites

BROWNFIELDS: A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

A review of the BROWNFIELDS list, as provided by EDR, and dated 03/21/2022 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SNOW WHITE CLEANERS	***610 SAN PABLO AVE***	***SW 1/4 - 1/2 (0.476 mi.)***	***73***	***381***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERCULES PROPERTIES,	***560 RAILROAD AVENUE***	***ENE 1/2 - 1 (0.687 mi.)***	***M74***	***422***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/18/2022 has revealed that there are 8 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B2***	***14***
CROCKETT'S PREMIER A	***900 SAN PABLO AVE***	***SSE 0 - 1/8 (0.102 mi.)***	***D19***	***109***
CORTEZ TIRES AND AUT	***730 SAN PABLO AVE #2***	***SW 1/8 - 1/4 (0.198 mi.)***	***I46***	***200***
S&L BODY AND FRAME	730 SAN PABLO AVE BU	SW 1/8 - 1/4 (0.198 mi.)	I50	210
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
DREAM'S AUTO COLLISI	***720 SAN PABLO AVE #D***	***SW 1/8 - 1/4 (0.221 mi.)***	***I58***	***249***
DAVE'S AUTO REPAIR	***720 SAN PABLO AVE SU***	***SW 1/8 - 1/4 (0.221 mi.)***	***I60***	***260***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K68***	***292***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING Status: A Tank Status: A Comp Number: 636	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B6***	***59***
ANTHONY AUTO WRECKER	***850 SAN PABLO AVENUE***	***S 1/8 - 1/4 (0.128 mi.)***	***F37***	***159***

Comp Number: 77				
PINOLE BAIT AND TACK	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F41***	***186***
Comp Number: 18876				
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
Status: A				
Tank Status: A				
Comp Number: 70151				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B4***	***55***
Facility Id: 00000000636				
ANTHONY AUTO WRECKER	***850 SAN PABLO AVENUE***	***S 1/8 - 1/4 (0.128 mi.)***	***F37***	***159***
Facility Id: 00000000077				
PINOLE BAIT AND TACK	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F41***	***186***
Facility Id: 00000018876				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/18/2022 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B2***	***14***
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K68***	***292***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTHONY'S AUTO WRECK	***850 SN PABLO AVENUE***	***S 1/8 - 1/4 (0.128 mi.)***	***F36***	***158***
Status: COMPLETED - CASE CLOSED				
Envirostor ID: SL601392684				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 36 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING EPA ID:: CAL000069472	800 SAN PABLO AVE	SW 0 - 1/8 (0.027 mi.)	B3	52
CENTRAL CONCRETE SUP EPA ID:: CAL000462637	800 SAN PABLO AVE	SW 0 - 1/8 (0.027 mi.)	B5	57
1030 BAYVIEW FARM RO EPA ID:: CAC003083807	585 SUNNYVIEW RD	SE 0 - 1/8 (0.044 mi.)	C13	95
BAYVIEW FARM DEL, LL EPA ID:: CAC003168724	585 SUNNYVIEW DR, UN	SE 0 - 1/8 (0.044 mi.)	C14	97
CITY OF PINOLE EPA ID:: CAC003105827	651 PINOLE SHORES DR	SW 0 - 1/8 (0.092 mi.)	15	100
1030 BAYVIEW FARM RO EPA ID:: CAC003059815	1030 BAY VIEW FARM R	ESE 0 - 1/8 (0.100 mi.)	16	102
CROCKETTS PREMIER AU EPA ID:: CAL000254121	900 SAN PABLO AVE	SSE 0 - 1/8 (0.102 mi.)	D18	106
BAYSIDE APARTMENTS EPA ID:: CAC003019205	535 SUNNYVIEW DR	E 0 - 1/8 (0.107 mi.)	E20	112
BAYSIDE APARTMENTS EPA ID:: CAC002998318	535 SUNNYVIEW	E 0 - 1/8 (0.107 mi.)	E21	114
BAYSIDE APARTMENTS EPA ID:: CAC003015862	535 SUNNYVIEW DR	E 0 - 1/8 (0.107 mi.)	E22	117
BAYSIDE APARTMENTS EPA ID:: CAC003034705	535 SUNNYVIEW DR	E 0 - 1/8 (0.107 mi.)	E23	119
BAYSIDE APARTMENTS EPA ID:: CAC003034699	535 SUNNYVIEW DR	E 0 - 1/8 (0.107 mi.)	E24	122
SUSAN L NUTTLE DDS I EPA ID:: CAL000344422	806 SAN PABLO AVE ST	S 0 - 1/8 (0.109 mi.)	F25	124
WEST COAST ARBOISTS EPA ID:: CAC003051968	760 SAN PABLO AVE	SW 1/8 - 1/4 (0.126 mi.)	G30	136
S & L BODY & FRAME EPA ID:: CAL000434080	760 SAN PABLO AVE BL	SW 1/8 - 1/4 (0.126 mi.)	G32	141
WEST COAST ARBORISTS EPA ID:: CAL000452152	760 SAN PABLO AVE	SW 1/8 - 1/4 (0.126 mi.)	G33	144
ABB OPTICAL GROUP LL EPA ID:: CAL000365739	920 SAN PABLO AVE	SSE 1/8 - 1/4 (0.127 mi.)	D34	146
CONTRA COSTA ANIMAL EPA ID:: CAL000433075	910 SAN PABLO AVE	SSE 1/8 - 1/4 (0.147 mi.)	H40	183
JEFF SCOTT	1141 BELFAIR DR	E 1/8 - 1/4 (0.183 mi.)	44	195

EPA ID:: CAC003067982				
CORTEZ TIRES AND AUT EPA ID:: CAL000401129	730 SAN PABLO AVE BL	SW 1/8 - 1/4 (0.198 mi.)	I45	197
S&L BODY AND FRAME EPA ID:: CAL000434896	730 SAN PABLO AVE BL	SW 1/8 - 1/4 (0.198 mi.)	I47	204
LETCHER BROS AUTO RE EPA ID:: CAL000372765	730 SAN PABLO AVE BL	SW 1/8 - 1/4 (0.198 mi.)	I48	207
CHRISTINA LOK EPA ID:: CAC003158192	942 PATRICK DRIVE	SSE 1/8 - 1/4 (0.207 mi.)	52	215
DAVE'S AUTO REPAIR EPA ID:: CAL000286772	720A SAN PABLO AVE	SW 1/8 - 1/4 (0.221 mi.)	I59	257
DREAM'S AUTO COLLISI EPA ID:: CAL000299546	720 SAN PABLO AVE ST	SW 1/8 - 1/4 (0.221 mi.)	I61	266

Lower Elevation	Address	Direction / Distance	Map ID	Page
FAIRFIELD PROPERTIES EPA ID:: CAC003098320 EPA ID:: CAC003093121	520 SUNNYVIEW DRIVE	ENE 0 - 1/8 (0.010 mi.)	A1	9
BAYSIDE APARTMENTS EPA ID:: CAC002996254	530 SUNNYVIEW DR	ENE 0 - 1/8 (0.041 mi.)	A7	80
FAIRSIDE BAYSIDE LLC EPA ID:: CAC003033752	530 SUNNYVIEW DR	ENE 0 - 1/8 (0.041 mi.)	A8	82
FAIRFIELD PROPERTIES EPA ID:: CAC003038421	530 SUNNYVIEW DRIVE	ENE 0 - 1/8 (0.041 mi.)	A9	85
FAIRFIELD RESIDENTIA EPA ID:: CAC003133921	530 SUNNYVIEW DR, #5	ENE 0 - 1/8 (0.041 mi.)	A10	87
FAIRFIELD RESIDENTIA EPA ID:: CAC003128471	530 SUNNYVIEW DR,	ENE 0 - 1/8 (0.041 mi.)	A11	90
FAIRFIELD BAYSIDE LL EPA ID:: CAC003154526	530 SUNNYVIEW DR,	ENE 0 - 1/8 (0.041 mi.)	A12	92
FAIRFIELD PROPERTIES EPA ID:: CAC003077830	525 SUNNYVIEW DRIVE	ENE 0 - 1/8 (0.109 mi.)	E26	127
FAIRFIELD PROPERTIES EPA ID:: CAC003092906	525 SUNNYVIEW DRIVE	ENE 0 - 1/8 (0.109 mi.)	E27	129
FAIRFIELD PROPERTIES EPA ID:: CAC003061015	525 SUNNYVIEW DR	ENE 0 - 1/8 (0.109 mi.)	E28	132
WESTERN CONTRA COSTA EPA ID:: CAL000057124	601 WALTER AVE	WSW 1/8 - 1/4 (0.249 mi.)	K63	275

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERCULES PROPERTIES,	***560 RAILROAD AVENUE***	***ENE 1/2 - 1 (0.687 mi.)***	***M74***	***422***

EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/21/2022 has revealed that there are 8 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B4***	***55***
Cleanup Status: COMPLETED - CASE CLOSED				
BRADSHAW CONCRETE	***760 SAN PABLO AVE***	***SW 1/8 - 1/4 (0.126 mi.)***	***G31***	***139***
Cleanup Status: COMPLETED - CASE CLOSED				
ANTHONY AUTO WRECKER	***850 SAN PABLO AVE***	***S 1/8 - 1/4 (0.128 mi.)***	***F38***	***160***
Cleanup Status: COMPLETED - CASE CLOSED				
TIME OIL COMPANY	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F42***	***188***
Cleanup Status: COMPLETED - CASE CLOSED				
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
Cleanup Status: COMPLETED - CASE CLOSED				
GOZZANO PROPERTY	***701 5 SAN PABLO AVE***	***SE 1/4 - 1/2 (0.287 mi.)***	***L70***	***349***
Cleanup Status: COMPLETED - CASE CLOSED				
MAJOR LINES GASOLINE	***1390 SAN PABLO AVE***	***SE 1/4 - 1/2 (0.316 mi.)***	***71***	***352***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WCCCTA BUS OPERATION	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K67***	***290***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRADSHAW CONCRETE	***760 SAN PABLO AVE***	***SW 1/8 - 1/4 (0.126 mi.)***	***G31***	***139***
Reg Id: 07-0675				
ANTHONY AUTO WRECKER	***850 SAN PABLO AVE***	***S 1/8 - 1/4 (0.128 mi.)***	***F38***	***160***
Reg Id: 07-0570				
TIME OIL COMPANY	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F42***	***188***
Reg Id: 07-0329				
FOOD & LIQUOR	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
Reg Id: 07-0144				
GOZZANO PROPERTY	***701 5 SAN PABLO AVE***	***SE 1/4 - 1/2 (0.287 mi.)***	***L70***	***349***
Reg Id: 07-0795				
MAJOR LINES GASOLINE	***1390 SAN PABLO AVE***	***SE 1/4 - 1/2 (0.316 mi.)***	***71***	***352***
Reg Id: 07-0767				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K64***	***277***

EXECUTIVE SUMMARY

Reg Id: 07-0557

CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 04/21/2022 has revealed that there are 17 CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUGAR CITY BUILDING Facility Id: FA0030708	***800 SAN PABLO AVE***	***SW 0 - 1/8 (0.027 mi.)***	***B2***	***14***
CROCKETT'S PREMIER A Facility Id: FA0029858	***900 SAN PABLO AVE***	***SSE 0 - 1/8 (0.102 mi.)***	***D17***	***105***
WEST COAST ARBORISTS Facility Id: FA0033447	***760 SAN PABLO AVE***	***SW 1/8 - 1/4 (0.126 mi.)***	***G29***	***134***
ABB CONCISE OPTICAL Facility Id: FA0030153	***920 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.127 mi.)***	***D35***	***149***
ANTHONY AUTO WRECKER Facility Id: FA0030698	***850 SAN PABLO AVE***	***S 1/8 - 1/4 (0.128 mi.)***	***F38***	***160***
ANIMAL SERVICES FACI Facility Id: FA0031304	***910 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.147 mi.)***	***H39***	***181***
TIME OIL COMPANY Facility Id: FA0031871	***825 SAN PABLO AVE***	***S 1/8 - 1/4 (0.152 mi.)***	***F42***	***188***
WEST CAT Facility Id: FA0028078	953 SAN PABLO AVE B	SSE 1/8 - 1/4 (0.171 mi.)	H43	194
HOLLERAN'S FABRICATI Facility Id: FA0029901	730 SAN PABLO AVE 3	SW 1/8 - 1/4 (0.198 mi.)	I49	209
S&L BODY AND FRAME Facility Id: FA0040672 Facility Id: FA0040673 Facility Id: FA0029902	730 SAN PABLO AVE 1	SW 1/8 - 1/4 (0.198 mi.)	I51	214
FOOD & LIQUOR Facility Id: FA0032705	***1007 SAN PABLO AVE***	***SSE 1/8 - 1/4 (0.219 mi.)***	***J54***	***218***
HOLLERAN'S PERFORMAN Facility Id: FA0028610	720 SAN PABLO AVE F	SW 1/8 - 1/4 (0.221 mi.)	I55	247
DREAM'S AUTO COLLISI Facility Id: FA0028959	720 SAN PABLO AVE D	SW 1/8 - 1/4 (0.221 mi.)	I56	248
DAVE'S AUTO REPAIR Facility Id: FA0028767	720 SAN PABLO AVE A	SW 1/8 - 1/4 (0.221 mi.)	I57	248
DAVE'S AUTO REPAIR Facility Id: FA0030791	***720A SAN PABLO AVE***	***SW 1/8 - 1/4 (0.221 mi.)***	***I62***	***268***
AT&T MOBILITY - ROBL Facility Id: FA0029850	1106 SAN PABLO AVE	SE 1/8 - 1/4 (0.250 mi.)	L69	348

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN CONTRA COSTA	***601 WALTER AVE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K64***	***277***

EXECUTIVE SUMMARY

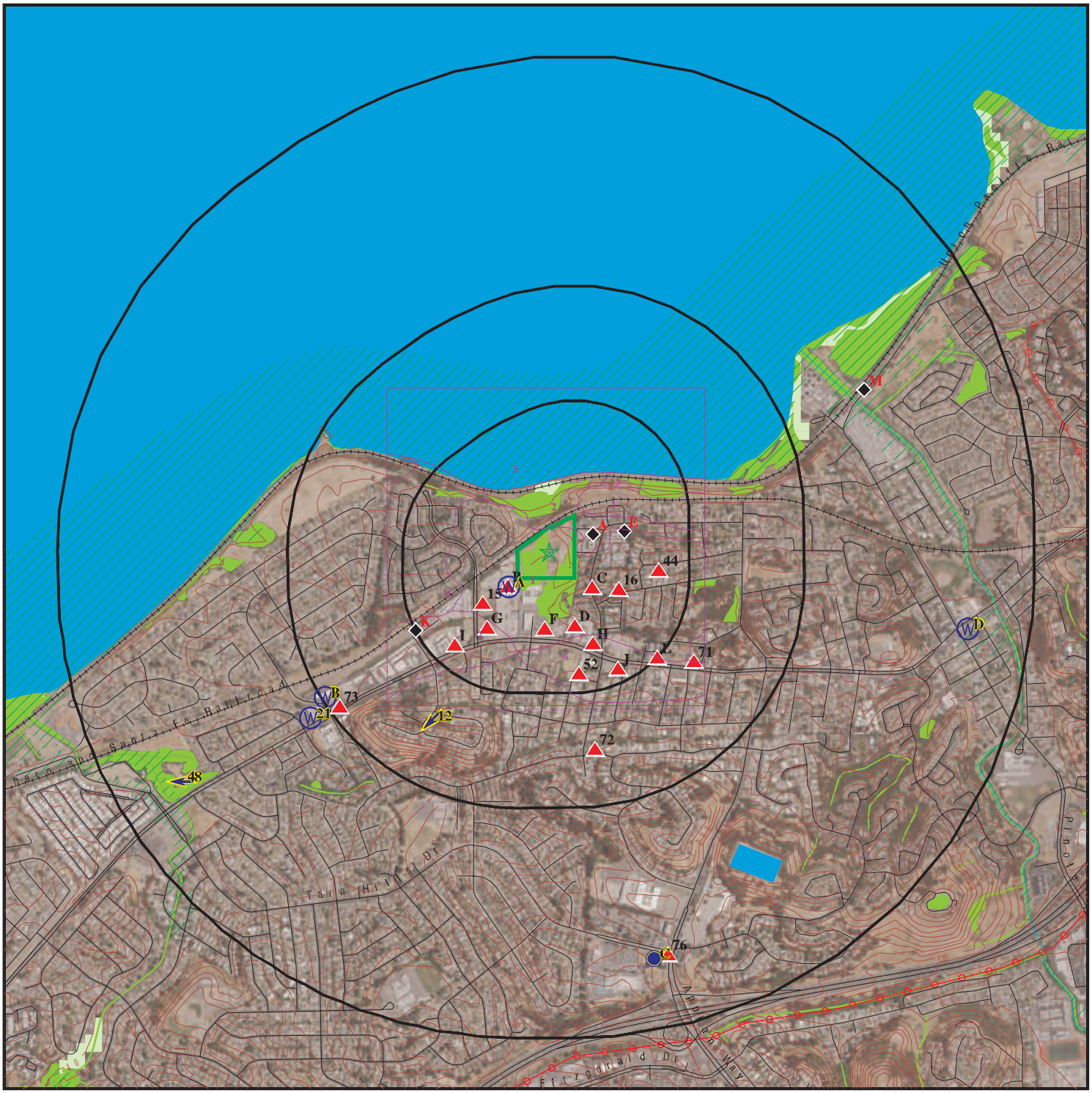
Facility Id: FA0028054

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
HERCULES INCORPORATED SITE	SWF/LF, CERS CDL
CHEVRON LAND AND DEVELOPMENT	ENVIROSTOR

OVERVIEW MAP - 7085970.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	467803	CLIENT:	AEI Consultants
ADDRESS:	830 San Pablo Avenue Pinole CA 94564	CONTACT:	Dania Ledezma
		INQUIRY #:	7085970.2s
LAT/LONG:	38.007891 / 122.307186	DATE:	August 15, 2022 12:20 pm

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DETAIL MAP - 7085970.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	467803	CLIENT:	AEI Consultants
ADDRESS:	830 San Pablo Avenue Pinole CA 94564	CONTACT:	Dania Ledezma
		INQUIRY #:	7085970.2s
LAT/LONG:	38.007891 / 122.307186	DATE:	August 15, 2022 12:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	1	2	NR	3
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		2	6	2	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	2	1	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	3	NR	NR	NR	3
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	6	NR	NR	NR	8
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	3	NR	NR	NR	4
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CERS TANKS	0.250		1	2	NR	NR	NR	3
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	1	0	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		23	13	NR	NR	NR	36
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		1	5	2	NR	NR	8
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	5	2	NR	NR	7
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
CONTRA COSTA CO. SITE LIST	0.250		2	15	NR	NR	NR	17
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	34	63	9	5	0	111

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 ENE < 1/8 0.010 mi. 54 ft. | **FAIRFIELD PROPERTIES L.P.**
520 SUNNYVIEW DRIVE
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1026486947**
CAC003098320

Site 1 of 7 in cluster A

Relative: Lower
Actual: 34 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20201222
Handler Name:	FAIRFIELD PROPERTIES L.P.	
Handler Address:		520 SUNNYVIEW DRIVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003098320
Contact Name:		MICHAEL VISSA
Contact Address:		5510 MOREHOUSE DRIVE
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		858-625-8661
Contact Fax:		Not reported
Contact Email:		MVISSA@FFRES.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	FAIRFIELD PROPERTIES L.P.	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

FAIRFIELD PROPERTIES L.P. (Continued) **1026486947**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-625-8661
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-625-8661
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FAIRFIELD PROPERTIES L.P. (Continued) **1026486947**

Historic Generators:
Receive Date: 20201222
Handler Name: FAIRFIELD PROPERTIES L.P.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Date Form Received by Agency: 20201116
Handler Name: FAIRFIELD PROPERTIES L.P.
Handler Address: 520 SUNNYVIEW DRIVE
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAC003093121
Contact Name: MICHEAL VISSA
Contact Address: 5510 MOREHOUSE DRIVE
Contact City,State,Zip: SAN DIEGO, CA 92121
Contact Telephone: 858-457-2123
Contact Fax: Not reported
Contact Email: ARIANAHENDERSON@ALLIANCE-ENVIRO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 5510 MOREHOUSE DRIVE
Mailing City,State,Zip: SAN DIEGO, CA 92121
Owner Name: FAIRFIELD PROPERTIES L.P.
Owner Type: Other
Operator Name: MICHEAL VISSA
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

FAIRFIELD PROPERTIES L.P. (Continued) **1026486947**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201117
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MICHEAL VISSA

FAIRFIELD PROPERTIES L.P. (Continued) **1026486947**

Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 858-457-2123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 858-457-2123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201116
Handler Name: FAIRFIELD PROPERTIES L.P.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B2 SW < 1/8 0.027 mi. 143 ft. | **SUGAR CITY BUILDING MATERIALS CO**
800 SAN PABLO AVE
PINOLE, CA 94564

Site 1 of 5 in cluster B

LUST
CERS HAZ WASTE
CERS TANKS
ENF
CONTRA COSTA CO. SITE LIST
CERS

S103989723
N/A

Relative: Higher

Actual: 87 ft.

LUST:

Name:	SUGAR CITY BUILDING MATERIALS COMPANY
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601392760
Global Id:	T0601392760
Latitude:	38.0067942333181
Longitude:	-122.308707619713
Status:	Completed - Case Closed
Status Date:	06/12/2017
Case Worker:	MYM
RB Case Number:	07-0804
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	00636
Potential Media Affect:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	The Site is located in an area of mixed commercial, light industrial and residential development in the west-central part of Pinole. Pinole is in northwestern Contra Costa County, north of the City of Richmond. Union Pacific railroad tracks run along the north side of the property, and San Pablo Avenue borders the south side. Sugar City Building Materials is engaged in the production and sale of building materials, primarily ready-mix concrete. Other materials stored and sold on-Site include bulk sand and rock, plastering supplies, reinforcing steel, stepping stones, building blocks, bricks, landscaping rock, fireplace materials, and concrete and masonry tools. The Site investigation area has a surface elevation ranging from approximately 90 to 94 feet above mean sea level (msl). The Site is relatively flat in the southern and central parts, and is terraced on the north to accommodate a topography that slopes down steeply to the north. The southern edge of San Pablo Bay is located down slope about 1,500 feet to the north. No surface water drainages are in proximity to the Site. There is no surface runoff from the site. All surface water runoff is collected in containment basins located at the north end of the site.The contaminant source area is a former UST located in the vicinity of the maintenance garage. The contaminant source area is a former UST located in the vicinity of the maintenance garage. The extent of the hydrocarbon plume is delineated by well MW-3 on the south (upgradient) and well MW-4 to the north (downgradient).

LUST:

Global Id:	T0601392760
Contact Type:	Regional Board Caseworker
Contact Name:	MARTIN MUSONGE
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET
City:	OAKLAND
Email:	martin.musonge@waterboards.ca.gov

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Phone Number: Not reported

Global Id: T0601392760
Contact Type: Local Agency Caseworker
Contact Name: SUE LOYD
Organization Name: CONTRA COSTA COUNTY
Address: 4333 PACHECO BLVD.
City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: File review

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 03/02/2004
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 04/22/2004
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 05/13/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 03/09/2005
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 03/12/2013
Action: 13267 Requirement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 06/30/2014
Action: File Review - Closure

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 07/18/2016
Action: 13267 Requirement

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 06/13/2017
Action: Closure/No Further Action Letter

Global Id: T0601392760
Action Type: RESPONSE
Date: 01/15/2003
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 10/31/2004
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/23/2003
Action: Soil and Water Investigation Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 09/30/2003
Action: Soil and Water Investigation Report

Global Id: T0601392760
Action Type: RESPONSE
Date: 12/09/2002
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 06/06/2003
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 10/30/2006
Action: CAP/RAP - Feasibility Study Report

Global Id: T0601392760
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Date: 05/31/2013
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 10/20/2000
Action: * Historical Enforcement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 02/03/2003
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 08/07/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 09/17/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 04/23/2003
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 07/01/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 05/29/2015
Action: 13267 Requirement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 09/27/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 02/14/2017
Action: 13267 Requirement

Global Id: T0601392760
Action Type: Other
Date: 01/26/1999
Action: Leak Reported

Global Id: T0601392760
Action Type: RESPONSE
Date: 12/16/2009
Action: Monitoring Report - Semi-Annually

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Global Id: T0601392760
Action Type: RESPONSE
Date: 09/17/2002
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/29/2003
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 10/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/31/2016
Action: Unknown

Global Id: T0601392760
Action Type: RESPONSE
Date: 02/28/2013
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0601392760
Action Type: RESPONSE
Date: 11/20/2015
Action: Other Workplan - Regulator Responded

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/31/2015
Action: Request for Closure - Regulator Responded

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/31/2016
Action: Request for Closure - Regulator Responded

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/31/2016
Action: Request for Closure - Regulator Responded

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 02/15/2008
Action: 13267 Requirement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 07/23/2009
Action: 13267 Monitoring Program

Global Id: T0601392760
Action Type: ENFORCEMENT

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Date: 10/21/2015
Action: 13267 Requirement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 06/13/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0601392760
Action Type: RESPONSE
Date: 10/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/02/2002
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 12/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 06/14/2007
Action: Correspondence

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/28/2000
Action: Site Assessment Report

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/21/2006
Action: Correspondence

Global Id: T0601392760
Action Type: RESPONSE
Date: 09/15/2003
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 06/06/2001
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 03/28/2003
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/14/2017
Action: Well Destruction Report

Global Id: T0601392760
Action Type: RESPONSE
Date: 08/31/2003
Action: Other Report / Document

Global Id: T0601392760
Action Type: RESPONSE
Date: 01/02/2003
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/24/2002
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 06/06/2000
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 03/01/2006
Action: Pilot Study / Treatability Workplan

Global Id: T0601392760
Action Type: RESPONSE

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Date: 06/14/2000
Action: Tank Removal Report / UST Sampling Report

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 12/12/2002
Action: Staff Letter

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 03/14/2002
Action: 13267 Requirement

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 10/24/2016
Action: Notification - Public Notice of Case Closure

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 03/09/2016
Action: 13267 Requirement

Global Id: T0601392760
Action Type: RESPONSE
Date: 01/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/31/2004
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/20/2002
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/31/2015
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/12/2004
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 04/14/2017
Action: Well Destruction Report

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/19/2007
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 05/09/2016
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 04/15/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 05/30/2013
Action: File Review - Closure

Global Id: T0601392760
Action Type: ENFORCEMENT
Date: 01/08/2013
Action: 13267 Requirement

Global Id: T0601392760
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 09/30/2004
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 09/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0601392760
Action Type: RESPONSE
Date: 06/04/2004
Action: Other Workplan

Global Id: T0601392760
Action Type: RESPONSE
Date: 02/15/2008
Action: Public Participation Plan

LUST:
Global Id: T0601392760
Status: Open - Case Begin Date
Status Date: 01/23/1999

Global Id: T0601392760
Status: Open - Site Assessment

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Status Date: 01/23/1999

Global Id: T0601392760
Status: Open - Site Assessment
Status Date: 06/26/2000

Global Id: T0601392760
Status: Open - Eligible for Closure
Status Date: 10/24/2016

Global Id: T0601392760
Status: Completed - Case Closed
Status Date: 06/12/2017

CERS HAZ WASTE:
Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 72005
CERS ID: 10004269
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 72005
CERS ID: 10004269
CERS Description: Aboveground Petroleum Storage

ENF:
Name: SUGAR CITY BUILDING MATERIALS
Address: 800 SAN PABLO
City,State,Zip: PINOLE, CA
Region: 2
Facility Id: 262322
Agency Name: Sugar City Building Materials
Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236412
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/20/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0804
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236411
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/26/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0804
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236410
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	07/31/2000
Adoption/Issuance Date:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0804
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	249659
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/07/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0804
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	242358
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/14/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0804
Description:	Request for work plan
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	241298
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	12/12/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0804
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	4/2/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	262322
Agency Name:	Sugar City Building Materials
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0804
Reg Measure Id:	168550
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238313
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/30/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0804
Description:	Work Plan to drill three soil borings and install (three) MW - approval letter
Program:	UST
Latest Milestone Completion Date:	12/3/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CONTRA COSTA CO. SITE LIST:

Name:	SUGAR CITY BUILDING MATERIALS CO
Address:	800 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030708
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: 10K - <100K GALLONS
Region:	CONTRA COSTA
Cupa Number:	700636
CERS ID:	10004269

Name:	SUGAR CITY BUILDING MATERIALS CO
Address:	800 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030708
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Cupa Number: 700636
CERS ID: 10004269

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City: PINOLE
Facility ID: FA0030708
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 700636
CERS ID: 10004269

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City: PINOLE
Facility ID: FA0030708
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 700636
CERS ID: 10004269

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City: PINOLE
Facility ID: FA0030708
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: APSA: 10K - <100K GALLONS
Region: CONTRA COSTA
Cupa Number: 700636
CERS ID: 10004269

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City: PINOLE
Facility ID: FA0030708
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 20+ EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 700636
CERS ID: 10004269

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City: PINOLE
Facility ID: FA0030708
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 700636
CERS ID: 10004269

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

CERS:

Name:	SUGAR CITY BUILDING MATERIALS CO
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	72005
CERS ID:	T0601392760
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	12-01-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	12-01-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/10/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	04-14-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/18/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	02-09-2018
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 02/13/2018. OBSERVATION: Owner/Operator is a

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

small quantity generator and failed to send hazardous waste (used oil and waste antifreeze) offsite for disposal within 180 days. CORRECTIVE ACTION: Dispose of hazardous waste (used oil and waste antifreeze) that has been stored over the applicable time limit and provide documentation that the violation has been corrected.

Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 02-13-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/26/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The business has reportable quantities of concrete colorant and Portland Cement that must be added to the chemical inventory. If fly ash quantity exceeds 5,000 lbs, add fly ash to chemical inventory. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 01-31-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 02/09/2018. OBSERVATION: Uniform Hazardous Waste Manifests for used oil disposed of in 2017 were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all used oil manifests for 2017 and submit copies to the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 12-01-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/17/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-09-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-13-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Eval General Type:	Other/Unknown
Eval Date:	03-07-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	12-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	12-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2020
Violations Found:	No

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-01-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-13-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	04-14-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Enforcement Action:

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	01-31-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,
Site ID:	72005

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-09-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-13-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-14-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	72005
Facility Name:	SUGAR CITY BUILDING MATERIALS CO
Env Int Type Code:	LUSTCS
Program ID:	T0601392760
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.006794
Longitude:	-122.308707

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95126
Affiliation Phone:	,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	David Vasquez-Hall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	David Vasquez-Hall
Entity Title:	Assistant EH&S Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Central Concrete Supply Co
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95126
Affiliation Phone:	(408) 404-1000,

Affiliation Type Desc:	Operator
Entity Name:	Sugar City Building Materials Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 580-4767,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Vasquez-Hall
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95126
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Central Concrete Supply Inc.

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	SUGAR CITY BUILDING MATERIALS CO
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	72005
CERS ID:	10004269
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	12-01-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	12-01-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/10/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Violation Date:	04-14-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/18/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 02-09-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 02/13/2018. OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste (used oil and waste antifreeze) offsite for disposal within 180 days. CORRECTIVE ACTION: Dispose of hazardous waste (used oil and waste antifreeze) that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 02-13-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/26/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The business has reportable quantities of concrete colorant and Portland Cement that must be added to the chemical inventory. If fly ash quantity exceeds 5,000 lbs, add fly ash to chemical inventory. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 01-31-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Violation Notes: Returned to compliance on 02/09/2018. OBSERVATION: Uniform Hazardous Waste Manifests for used oil disposed of in 2017 were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all used oil manifests for 2017 and submit copies to the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72005
Site Name: SUGAR CITY BUILDING MATERIALS CO
Violation Date: 12-01-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/17/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Eval Date:	02-09-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	02-13-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	03-07-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	12-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-01-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-13-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	04-14-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Eval Source: CERS,

Enforcement Action:

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	01-31-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-09-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-13-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-14-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	72005
Site Name:	SUGAR CITY BUILDING MATERIALS CO
Site Address:	800 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	72005
Facility Name:	SUGAR CITY BUILDING MATERIALS CO
Env Int Type Code:	LUSTCS
Program ID:	T0601392760
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.006794
Longitude:	-122.308707

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95126

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Affiliation Phone:	,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	David Vasquez-Hall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	David Vasquez-Hall
Entity Title:	Assistant EH&S Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Central Concrete Supply Co
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95126
Affiliation Phone:	(408) 404-1000,
Affiliation Type Desc:	Operator
Entity Name:	Sugar City Building Materials Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 580-4767,
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez

SUGAR CITY BUILDING MATERIALS CO (Continued) **S103989723**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Vasquez-Hall
Entity Title:	Not reported
Affiliation Address:	755 Stockton Ave
Affiliation City:	San Jose
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95126
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Central Concrete Supply Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

B3 **SUGAR CITY BUILDING MATERIALS** **RCRA NonGen / NLR** **1024789708**
SW **800 SAN PABLO AVE** **CAL000069472**
< 1/8 **PINOLE, CA 94564**
0.027 mi.
143 ft. **Site 2 of 5 in cluster B**

Relative:
Higher

Actual:
87 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20210521
Handler Name:	SUGAR CITY BUILDING MATERIALS
Handler Address:	800 SAN PABLO AVE
Handler City,State,Zip:	PINOLE, CA 94564-0000
EPA ID:	CAL000069472
Contact Name:	DAVID VASQUEZ-HALL
Contact Address:	STOCKTON AVE
Contact City,State,Zip:	SAN JOSE, CA 95126
Contact Telephone:	408-688-1085
Contact Fax:	Not reported
Contact Email:	DAVID.VASQUEZ-HALL@US-CONCRETE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

SUGAR CITY BUILDING MATERIALS (Continued) **1024789708**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	STOCKTON AVE
Mailing City,State,Zip:	SAN JOSE, CA 95126
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	CENTRAL CONCRETE SUPPLY CO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

SUGAR CITY BUILDING MATERIALS (Continued) **1024789708**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210524
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CENTRAL CONCRETE SUPPLY CO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	755 STOCKTON AVE
Owner/Operator City,State,Zip:	SAN JOSE, CA 95126
Owner/Operator Telephone:	408-404-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SUGAR CITY BLDG MTLS (CORP)DH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564-0069
Owner/Operator Telephone:	510-223-0610
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVE BALMINO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-223-0610
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210521
Handler Name: SUGAR CITY BUILDING MATERIALS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

SUGAR CITY BUILDING MATERIALS (Continued) **1024789708**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19920609
Handler Name: SUGAR CITY BLDG MTLS CO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32732
NAICS Description: READY-MIX CONCRETE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B4 **SUGAR CITY BUILDING MATERIALS COMPANY** **LUST** **U001597876**
SW **800 SAN PABLO AVE** **HIST UST** **N/A**
< 1/8 **PINOLE, CA 94564** **Cortese**
0.027 mi.
143 ft. **Site 3 of 5 in cluster B**

Relative:
Higher

Actual:
87 ft.

LUST REG 2:
Region: 2
Facility Id: 07-0804
Facility Status: Preliminary site assessment workplan submitted
Case Number: 00636
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/23/1999
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 6/26/2000
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST UST:
Name: SUGAR CITY BUILDING MATERINS

SUGAR CITY BUILDING MATERIALS COMPANY (Continued) **U001597876**

Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
File Number:	00022FB3
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022FB3.pdf
Region:	STATE
Facility ID:	00000000636
Facility Type:	Other
Other Type:	BLDG MTLS SUPPLIER
Contact Name:	Not reported
Telephone:	4152230610
Owner Name:	SUGAR CITY BUILDING MATERIALS
Owner Address:	800 SAN PABLO AVE.
Owner City,St,Zip:	PINOLE, CA 94564
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1973
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1973
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:

Name:	SUGAR CITY BUILDING MATERIALS COMPANY
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601392760
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported

SUGAR CITY BUILDING MATERIALS COMPANY (Continued) **U001597876**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

B5
SW
< 1/8
0.027 mi.
143 ft.

CENTRAL CONCRETE SUPPLY CO
800 SAN PABLO AVE
PINOLE, CA 94564

RCRA NonGen / NLR **1026827666**
CAL000462637

Site 4 of 5 in cluster B

Relative:
Higher

Actual:
87 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20210520
Handler Name:	CENTRAL CONCRETE SUPPLY CO
Handler Address:	800 SAN PABLO AVE
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000462637
Contact Name:	DAVID VASQUEZ-HALL
Contact Address:	755 STOCKTON AVE
Contact City,State,Zip:	SAN JOSE, CA 95126
Contact Telephone:	408-688-1085
Contact Fax:	Not reported
Contact Email:	DAVID.VASQUEZ-HALL@US-CONCRETE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	755 STOCKTON AVE
Mailing City,State,Zip:	SAN JOSE, CA 95126
Owner Name:	CENTRAL CONCRETE SUPPLY CO
Owner Type:	Other
Operator Name:	DAVID VASQUEZ-HALL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported

CENTRAL CONCRETE SUPPLY CO (Continued) **1026827666**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210521
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CENTRAL CONCRETE SUPPLY CO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	755 STOCKTON AVE
Owner/Operator City,State,Zip:	SAN JOSE, CA 95126
Owner/Operator Telephone:	408-404-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVID VASQUEZ-HALL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	755 STOCKTON AVE
Owner/Operator City,State,Zip:	SAN JOSE, CA 95126

CENTRAL CONCRETE SUPPLY CO (Continued) **1026827666**

Owner/Operator Telephone: 408-688-1085
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210520
Handler Name: CENTRAL CONCRETE SUPPLY CO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 327320
NAICS Description: READY-MIX CONCRETE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B6 **SUGAR CITY BUILDING MATERIALS** **AST** **1004440744**
SW **800 SAN PABLO AVE** **SWEEPS UST** **N/A**
< 1/8 **PINOLE, CA 94564** **FINDS**
0.027 mi. **EMI**
143 ft. **Site 5 of 5 in cluster B** **NPDES**
CERS
Relative: **HWTS**
Higher
Actual: AST:
87 ft.

Name: SUGAR CITY BUILDING MATERIALS CO
Address: 800 SAN PABLO AVE
City/Zip: PINOLE,94564
Certified Unified Program Agencies: Not reported
Owner: SUGAR CITY BUILDING MATERIALS CO
Total Gallons: Not reported
CERSID: 10004269
Facility ID: 07-000-700636
Business Name: SUGAR CITY BUILDING MATERIALS CO
Phone: 5102230610
Fax: 5107246065
Mailing Address: po box 69
Mailing Address City: Pinole
Mailing Address State: CA
Mailing Address Zip Code: 94564
Operator Name: Sugar City Building Materials Co.
Operator Phone: 5107243412

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Owner Phone:	5102230610
Owner Mail Address:	po box 69
Owner State:	CA
Owner Zip Code:	94564
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000069472

Name:	SUGAR CITY BUILDING MATERIALS CO
Address:	800 SAN PABLO AVE
City/Zip:	PINOLE,
Certified Unified Program Agencies:	Contra Costa
Owner:	Not reported
Total Gallons:	10,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

SWEEPS UST:

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City:	PINOLE
Status:	Active
Comp Number:	636
Number:	1
Board Of Equalization:	44-002160
Referral Date:	10-08-93
Action Date:	10-08-93
Created Date:	07-22-88
Owner Tank Id:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

SWRCB Tank Id:	07-000-000636-000001
Tank Status:	A
Capacity:	12000
Active Date:	02-14-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	2

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City:	PINOLE
Status:	Active
Comp Number:	636
Number:	1
Board Of Equalization:	44-002160
Referral Date:	10-08-93
Action Date:	10-08-93
Created Date:	07-22-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-000636-000002
Tank Status:	A
Capacity:	4000
Active Date:	02-14-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

FINDS:

Registry ID: 110001156999

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER

Registry ID: 110070444591

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1990
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	11

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1995
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1996
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1997
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1998
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	1999
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2000
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2001
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3531
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	11

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2002
County Code:	7
Air Basin:	SF
Facility ID:	2368

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2003
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2004
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	10.839
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.88744

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2005

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	9.348
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7.51572

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2006
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	10.306
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.39708

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 952050000
Year:	2007
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11.521
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.4523

Name:	SUGAR CITY BUILDING MATERIALS

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11.226
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.20568

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2009
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6.2649999999999997
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.1350600000000002

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2010
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5.0846956521739104

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Part. Matter 10 Micrometers and Smllr Tons/Yr:4.1718200000000003

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2011
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2.212
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.127

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2013
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.268
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.511

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2014
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.61554776
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.48324004

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2015
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.501937017
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.378787064

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2016
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	1.544033697
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.417341715

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2017
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	1.622409592
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.489313459

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	1.46900734
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.348384482

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2019
County Code:	7
Air Basin:	SF
Facility ID:	2368
Air District Name:	BA
SIC Code:	3273

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	1.098837991
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.008594153

NPDES:

Name:	SUGAR CITY BLDG MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	181791
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 07I001486
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Termination Date Of Regulatory Measure:	11/20/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	800 San Pablo Ave
Discharge Name:	Sugar City Building Materials
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	181791
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 07I001486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/27/1992
Status:	Active
Status Date:	11/17/2015
Place Size:	6
Place Size Unit:	Acres
Contact:	DAVID Balmino
Contact Title:	Vice President
Contact Phone:	5102230610
Contact Phone Ext:	Not reported
Contact Email:	krose@sugarcitybm.com
Operator Name:	Sugar City Building Materials
Operator Address:	800 San Pablo Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564
Operator Contact:	DAVID Balmino
Operator Contact Title:	Vice President
Operator Contact Phone:	510-223-0610
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	krose@sugarcitybm.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-223-0610
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pablo Bay
Certifier:	David Balmino
Certifier Title:	Vice President

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Certification Date:	10-JUN-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181791
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I001486
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sugar City Building Materials
Discharge Address:	800 San Pablo Ave
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	SUGAR CITY BLDG MATERIALS
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 07I001486
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/20/2020
Operator Name:	Sugar City Building Materials
Operator Address:	800 San Pablo Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	181791
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 07I001486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/27/1992
Status:	Active
Status Date:	11/17/2015
Place Size:	6
Place Size Unit:	Acres
Contact:	DAVID Balmino
Contact Title:	Vice President
Contact Phone:	5102230610
Contact Phone Ext:	Not reported
Contact Email:	krose@sugarcitybm.com
Operator Name:	Sugar City Building Materials
Operator Address:	800 San Pablo Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564
Operator Contact:	DAVID Balmino
Operator Contact Title:	Vice President
Operator Contact Phone:	510-223-0610
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	krose@sugarcitybm.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-223-0610
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pablo Bay
Certifier:	David Balmino
Certifier Title:	Vice President
Certification Date:	10-JUN-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181791
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I001486
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/27/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sugar City Building Materials
Discharge Address:	800 San Pablo Ave
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CERS:

Name:	CENTRAL CONCRETE PINOLE
Address:	800 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	576051
CERS ID:	9456WCNTRL8SANP
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Parent Company
Entity Name:	US CONCRETE INC
Entity Title:	Not reported
Affiliation Address:	755 STOCKTON AVE
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,
Affiliation Type Desc:	Company Official

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

Entity Name:	Robert McGehee
Entity Title:	Corporate Environmental Compliance Manager
Affiliation Address:	755 STOCKTON AVE
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Robert McGehee
Entity Title:	Not reported
Affiliation Address:	755 STOCKTON AVE
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	4085108422,

Affiliation Type Desc:	Technical Contact
Entity Name:	Robert McGehee
Entity Title:	Not reported
Affiliation Address:	755 STOCKTON AVE
Affiliation City:	SAN JOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	4085108422,

HWTS:

Name:	SUGAR CITY BUILDING MATERIALS
Address:	800 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000069472
Inactive Date:	06/30/2021
Create Date:	06/09/1992
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	755 STOCKTON AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN JOSE, CA 95126
Owner Name:	CENTRAL CONCRETE SUPPLY COMPANY
Owner Address:	755 STOCKTON AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN JOSE, CA 95126
Contact Name:	DAVID VASQUEZ-HALL
Contact Address:	755 STOCKTON AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN JOSE, CA 95126
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.005222
Longitude:	-122.307928

SUGAR CITY BUILDING MATERIALS (Continued) **1004440744**

NAICS:

EPA ID:	CAL000069472
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	32732
NAICS Description:	Ready-Mix Concrete Manufacturing
Issued EPA ID Date:	1992-06-09 00:00:00
Inactive Date:	Not reported
Facility Name:	SUGAR CITY BUILDING MATERIALS
Facility Address:	800 SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

Name:	CENTRAL CONCRETE SUPPLY CO
Address:	800 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000462637
Inactive Date:	06/30/2021
Create Date:	05/20/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	755 STOCKTON AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN JOSE, CA 95126
Owner Name:	CENTRAL CONCRETE SUPPLY CO
Owner Address:	755 STOCKTON AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN JOSE, CA 95126
Contact Name:	DAVID VASQUEZ-HALL
Contact Address:	755 STOCKTON AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN JOSE, CA 95126
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.00590498
Longitude:	-122.308694

NAICS:

EPA ID:	CAL000462637
Create Date:	2021-05-20 11:17:19.800
NAICS Code:	327320
NAICS Description:	Ready-Mix Concrete Manufacturing
Issued EPA ID Date:	2021-05-20 11:17:19.79700
Inactive Date:	Not reported
Facility Name:	CENTRAL CONCRETE SUPPLY CO
Facility Address:	800 SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94564

A7 ENE < 1/8 0.041 mi. 214 ft. | **BAYSIDE APARTMENTS**
530 SUNNYVIEW DR
PINOLE, CA 94564
Site 2 of 7 in cluster A | **RCRA NonGen / NLR** | **1024776319**
CAC002996254

Relative: Lower
Actual: 43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20190111
Handler Name:	BAYSIDE APARTMENTS	
Handler Address:		530 SUNNYVIEW DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC002996254
Contact Name:		MICHAEL VISSA
Contact Address:		530 SUNNYVIEW DR
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		844-735-0323
Contact Fax:		Not reported
Contact Email:		WWW.LIVEBAYSIDEAPARTMENTS@FPIMGT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		530 SUNNYVIEW DR
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	MICHAEL VISSA	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BAYSIDE APARTMENTS (Continued) **1024776319**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	214-574-1666
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	530 SUNNYVIEW DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	844-735-0323
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BAYSIDE APARTMENTS (Continued) **1024776319**

Historic Generators:

Receive Date:	20190111
Handler Name:	BAYSIDE APARTMENTS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A8 **FAIRSIDE BAYSIDE LLC** **RCRA NonGen / NLR** **1025853538**
ENE **530 SUNNYVIEW DR** **CAC003033752**
< 1/8 **PINOLE, CA 94564**
0.041 mi.
214 ft. **Site 3 of 7 in cluster A**

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20190913
Handler Name:	FAIRSIDE BAYSIDE LLC
Handler Address:	530 SUNNYVIEW DR
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC003033752
Contact Name:	MIKE LITCHFIELD
Contact Address:	530 SUNNYVIEW DR
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	510-724-4844
Contact Fax:	Not reported
Contact Email:	LEASING@LIVEBAYSIDEAPARTMENTS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	530 SUNNYVIEW DR
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	MIKE LITCHFIELD

FAIRSIDE BAYSIDE LLC (Continued) **1025853538**

Owner Type:		Other
Operator Name:	MIKE LITCHFIELD	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20190913
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

FAIRSIDE BAYSIDE LLC (Continued) **1025853538**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MIKE LITCHFIELD
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-724-4844
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MIKE LITCHFIELD
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-724-4844
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190913
Handler Name: FAIRSIDE BAYSIDE LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 531110
NAICS Description: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 ENE < 1/8 0.041 mi. 214 ft. | **FAIRFIELD PROPERTIES L.P**
530 SUNNYVIEW DRIVE
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1025857936**
CAC003038421

Site 4 of 7 in cluster A

Relative: Lower

Actual: 43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20191011
Handler Name:	FAIRFIELD PROPERTIES L.P	
Handler Address:		530 SUNNYVIEW DRIVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003038421
Contact Name:		MICHAEL VISSA
Contact Address:		5510 MOREHOUSE DR
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		858-457-2123
Contact Fax:		Not reported
Contact Email:		SHACARRAHENDERSON@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DR
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	FAIRFIELD PROPERTIES L.P	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

FAIRFIELD PROPERTIES L.P (Continued) **1025857936**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FAIRFIELD PROPERTIES L.P (Continued) **1025857936**

Historic Generators:
Receive Date: 20191011
Handler Name: FAIRFIELD PROPERTIES L.P
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A10 **FAIRFIELD RESIDENTIAL BAYSIDE 535-201** **RCRA NonGen / NLR** **1026821018**
ENE **530 SUNNYVIEW DR, #535-101** **CAC003133921**
< 1/8 **PINOLE, CA 94564**
0.041 mi.
214 ft. **Site 5 of 7 in cluster A**

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20210811
Handler Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-201
Handler Address: 530 SUNNYVIEW DR, #535-101
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAC003133921
Contact Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-2
Contact Address: 530 SUNNYVIEW DR
Contact City,State,Zip: PINOLE, CA 94564
Contact Telephone: 623-209-4219
Contact Fax: Not reported
Contact Email: ERIKAM@CVECORP.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 530 SUNNYVIEW DR
Mailing City,State,Zip: PINOLE, CA 94564
Owner Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-2

FAIRFIELD RESIDENTIAL BAYSIDE 535-201 (Continued) **1026821018**

Owner Type:	Other
Operator Name:	FAIRFIELD RESIDENTIAL BAYSIDE 535-2
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210812
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

FAIRFIELD RESIDENTIAL BAYSIDE 535-201 (Continued) **1026821018**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-2
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 623-209-4219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-2
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 623-209-4219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210811
Handler Name: FAIRFIELD RESIDENTIAL BAYSIDE 535-201
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A11 ENE < 1/8 0.041 mi. 214 ft. | **FAIRFIELD RESIDENTIAL 530 SUNNYVIEW DR, PINOLE, CA 94564** | **RCRA NonGen / NLR** | **1026815789 CAC003128471**

Site 6 of 7 in cluster A

Relative: Lower

Actual: 43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20210708
Handler Name:	FAIRFIELD RESIDENTIAL	
Handler Address:		530 SUNNYVIEW DR,
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003128471
Contact Name:		MICHEAL VISSA
Contact Address:		5510 MOREHOUSE DRIVE SUITE 200
Contact City,State,Zip:		SAN DIEGO, CA 92112
Contact Telephone:		510-825-8333
Contact Fax:		Not reported
Contact Email:		JUSTUS.MANDERBACH@ATIRESTORATION.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE SUITE 200
Mailing City,State,Zip:		SAN DIEGO, CA 92112
Owner Name:	MICHEAL VISSA	
Owner Type:		Other
Operator Name:	MICHEAL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

FAIRFIELD RESIDENTIAL (Continued) **1026815789**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210709
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MICHEAL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92112
Owner/Operator Telephone:	510-825-8333
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHEAL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92112
Owner/Operator Telephone:	510-825-8333
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FAIRFIELD RESIDENTIAL (Continued) **1026815789**

Historic Generators:

Receive Date:	20210708
Handler Name:	FAIRFIELD RESIDENTIAL
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A12 **FAIRFIELD BAYSIDE LLC - FF PROPERTIES L.P** **RCRA NonGen / NLR** **1027082415**
ENE **530 SUNNYVIEW DR,** **CAC003154526**
< 1/8 **PINOLE, CA 94564**
0.041 mi.
214 ft. **Site 7 of 7 in cluster A**

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20211228
Handler Name:	FAIRFIELD BAYSIDE LLC - FF PROPERTIES L.P
Handler Address:	530 SUNNYVIEW DR,
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC003154526
Contact Name:	HESHLA PA-CINY
Contact Address:	530 SUNNYVIEW DR,
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	510-724-4844
Contact Fax:	Not reported
Contact Email:	HPACINY@FFRES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	530 SUNNYVIEW DR,
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	HESHLA PA-CINY

FAIRFIELD BAYSIDE LLC - FF PROPERTIES L.P (Continued) **1027082415**

Owner Type:		Other
Operator Name:	HESHLA PA-CINY	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20211228
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

FAIRFIELD BAYSIDE LLC - FF PROPERTIES L.P (Continued) **1027082415**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HESHLA PA-CINY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR,
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-724-4844
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HESHLA PA-CINY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 530 SUNNYVIEW DR,
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-724-4844
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20211228
Handler Name: FAIRFIELD BAYSIDE LLC - FF PROPERTIES L.P
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C13 SE < 1/8 0.044 mi. 231 ft. | **1030 BAYVIEW FARM ROAD, DEL LLC**
585 SUNNYVIEW RD
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1026477946**
CAC003083807

Site 1 of 2 in cluster C

Relative: Higher

Actual: 121 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200915
Handler Name:	1030 BAYVIEW FARM ROAD,	DEL LLC
Handler Address:		585 SUNNYVIEW RD
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003083807
Contact Name:		BOB HUFF
Contact Address:		155 GRAND AVE
Contact City,State,Zip:		OAKLAND, CA 94612
Contact Telephone:		510-452-2944
Contact Fax:		Not reported
Contact Email:		BOB@MADISONPARK.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		155 GRAND AVE
Mailing City,State,Zip:		OAKLAND, CA 94612
Owner Name:	1030 BAYVIEW FARM ROAD,	DEL LLC
Owner Type:		Other
Operator Name:	BOB HUFF	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

1030 BAYVIEW FARM ROAD, DEL LLC (Continued) **1026477946**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200920
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: 1030 BAYVIEW FARM ROAD,	DEL LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	155 GRAND AVE
Owner/Operator City,State,Zip:	OAKLAND, CA 94612
Owner/Operator Telephone:	510-452-2944
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BOB HUFF	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	155 GRAND AVE
Owner/Operator City,State,Zip:	OAKLAND, CA 94612
Owner/Operator Telephone:	510-452-2944
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

1030 BAYVIEW FARM ROAD, DEL LLC (Continued) **1026477946**

Historic Generators:

Receive Date:	20200915
Handler Name:	1030 BAYVIEW FARM ROAD, DEL LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	531110
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C14 **BAYVIEW FARM DEL, LLC** **RCRA NonGen / NLR** **1027204694**
SE **585 SUNNYVIEW DR, UNIT #4** **CAC003168724**
< 1/8 **PINOLE, CA 94564**
0.044 mi.
231 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
121 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20220329
Handler Name:	BAYVIEW FARM DEL, LLC
Handler Address:	585 SUNNYVIEW DR, UNIT #4
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC003168724
Contact Name:	BAYVIEW FARM DEL, LLC
Contact Address:	585 SUNNYVIEW DR
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	510-724-8761
Contact Fax:	Not reported
Contact Email:	WHITNEYF@MADISONPARK.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	585 SUNNYVIEW DR
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	BAYVIEW FARM DEL, LLC

BAYVIEW FARM DEL, LLC (Continued) **1027204694**

Owner Type:		Other
Operator Name:	BAYVIEW FARM DEL, LLC	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20220329
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

BAYVIEW FARM DEL, LLC (Continued) **1027204694**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYVIEW FARM DEL, LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	585 SUNNYVIEW DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-8761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYVIEW FARM DEL, LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	585 SUNNYVIEW DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-8761
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220329
Handler Name: BAYVIEW FARM DEL, LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

15 SW < 1/8 0.092 mi. 488 ft. | **CITY OF PINOLE**
651 PINOLE SHORES DR
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1026717305**
CAC003105827

Relative: Higher

Actual: 87 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20210216
Handler Name:	CITY OF PINOLE	
Handler Address:		651 PINOLE SHORES DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003105827
Contact Name:		PATRICK BOWIE
Contact Address:		2131 PEAR ST
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-724-8949
Contact Fax:		Not reported
Contact Email:		PBOWIE@CI.PINOLE.CA.US
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2131 PEAR ST
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	PINOLE ROMO	
Owner Type:		Other
Operator Name:	PATRICK BOWIE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CITY OF PINOLE (Continued) **1026717305**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PINOLE ROMO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2131 PEAR ST
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-8949
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PATRICK BOWIE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2131 PEAR ST
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-8949
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CITY OF PINOLE (Continued) **1026717305**

Historic Generators:

Receive Date:	20210216
Handler Name:	CITY OF PINOLE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	92219
NAICS Description:	OTHER JUSTICE, PUBLIC ORDER, AND SAFETY ACTIVITIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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16 ESE < 1/8 0.100 mi. 526 ft. **1030 BAYVIEW FARM ROAD, DEL LLC** **RCRA NonGen / NLR** **1026052919**
1030 BAY VIEW FARM RD **CAC003059815**
PINOLE, CA 94564

Relative: Higher
Actual: 122 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200312
Handler Name:	1030 BAYVIEW FARM ROAD, DEL LLC
Handler Address:	1030 BAY VIEW FARM RD
Handler City,State,Zip:	PINOLE, CA 94564-2348
EPA ID:	CAC003059815
Contact Name:	BOB HUFF
Contact Address:	155 GRAND AVE #950
Contact City,State,Zip:	OAKLAND, CA 94612
Contact Telephone:	510-452-2944
Contact Fax:	Not reported
Contact Email:	BOB@MADISONPARK.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	155 GRAND AVE #950
Mailing City,State,Zip:	OAKLAND, CA 94612
Owner Name:	1030 BAYVIEW FARM ROAD, DEL LLC

1030 BAYVIEW FARM ROAD, DEL LLC (Continued) **1026052919**

Owner Type:		Other
Operator Name:	BOB HUFF	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20200313
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

1030 BAYVIEW FARM ROAD, DEL LLC (Continued) **1026052919**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: 1030 BAYVIEW FARM ROAD, DEL LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 155 GRAND AVE #950
Owner/Operator City,State,Zip: OAKLAND, CA 94612
Owner/Operator Telephone: 510-715-5492
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOB HUFF
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 155 GRAND AVE #950
Owner/Operator City,State,Zip: OAKLAND, CA 94612
Owner/Operator Telephone: 510-452-2944
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200312
Handler Name: 1030 BAYVIEW FARM ROAD, DEL LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 531110
NAICS Description: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D17 SSE < 1/8 0.102 mi. 541 ft. | **CROCKETT'S PREMIER AUTO BODY INC**
900 SAN PABLO AVE
PINOLE, CA 94564

HAZNET
CONTRA COSTA CO. SITE LIST
HWTS

S112906996
N/A

Site 1 of 5 in cluster D

Relative: Higher

Actual: 103 ft.

HAZNET:

Name:	CARLA ZOPPA
Address:	900 SAN PABLO
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Contact:	CARLA ZOPPA-PROPERTY OWNER
Telephone:	5106628558
Mailing Name:	Not reported
Mailing Address:	3223 BLOOM DR
Year:	2000
Gepaid:	CAC002247569
TSD EPA ID:	CAD028409019
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H01 - Transfer Station
Tons:	0.1251

Additional Info:

Year:	2000
Gen EPA ID:	CAC002247569
Shipment Date:	20000415
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000425
Manifest ID:	99611212
Trans EPA ID:	CAD983652272
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	CROCKETT'S PREMIER AUTO BODY INC
Address:	900 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0029858
Billing Status:	ACTIVE, BILLABLE

CROCKETT'S PREMIER AUTO BODY INC (Continued) **S112906996**

Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773187
CERS ID:	10017289

Name:	CROCKETT'S PREMIER AUTO BODY INC
Address:	900 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0029858
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	773187
CERS ID:	10017289

HWTS:

Name:	CARLA ZOPPA
Address:	900 SAN PABLO
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC002247569
Inactive Date:	06/11/2001
Create Date:	04/12/2000
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	3223 BLOOM DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RICHMOND, CA 948060000
Owner Name:	CARLA ZOPPA
Owner Address:	3223 BLOOM DR
Owner Address 2:	Not reported
Owner City,State,Zip:	RICHMOND, CA 948060000
Contact Name:	CARLA ZOPPA-PROPERTY OWNER
Contact Address:	3223 BLOOM DR
Contact Address 2:	Not reported
City,State,Zip:	RICHMOND, CA 948060000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	38.005162
Longitude:	-122.306788

D18 **CROCKETTS PREMIER AUTO BODY** **RCRA NonGen / NLR** **1024803676**
SSE **900 SAN PABLO AVE** **CAL000254121**
< 1/8 **PINOLE, CA 94564**
0.102 mi.
541 ft. **Site 2 of 5 in cluster D**

Relative:
Higher

Actual:
103 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20020619
Handler Name:	CROCKETTS PREMIER AUTO BODY
Handler Address:	900 SAN PABLO AVE
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000254121
Contact Name:	DAN WELSH

CROCKETTS PREMIER AUTO BODY (Continued) **1024803676**

Contact Address:		900 SAN PABLO AVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-741-9001
Contact Fax:		000-000-0000
Contact Email:		DANWELSH@CPABINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		900 SAN PABLO AVE
Mailing City,State,Zip:		PINOLE, CA 94564-0000
Owner Name:	THOMAS WELSH	
Owner Type:		Other
Operator Name:	DAN WELSH	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

CROCKETTS PREMIER AUTO BODY (Continued) **1024803676**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAN WELSH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	900 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-741-9001
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: THOMAS WELSH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	900 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564-0000
Owner/Operator Telephone:	510-741-9001
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020619
Handler Name: CROCKETTS PREMIER AUTO BODY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CROCKETTS PREMIER AUTO BODY (Continued) **1024803676**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D19 SSE < 1/8 0.102 mi. 541 ft. | **CROCKETT'S PREMIER AUTO BODY INC** | **CERS HAZ WASTE** | **S121738619**
900 SAN PABLO AVE | **CERS** | **N/A**
PINOLE, CA 94564

Site 3 of 5 in cluster D

Relative: Higher
Actual: 103 ft.

CERS HAZ WASTE:
Name: CROCKETT'S PREMIER AUTO BODY INC
Address: 900 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 108890
CERS ID: 10017289
CERS Description: Hazardous Waste Generator

CERS:
Name: CROCKETT'S PREMIER AUTO BODY INC
Address: 900 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 108890
CERS ID: 10017289
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

CROCKETT'S PREMIER AUTO BODY INC (Continued) **S121738619**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-11-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	108890
Facility Name:	CROCKETT'S PREMIER AUTO BODY INC
Env Int Type Code:	HWG
Program ID:	10017289
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.005630
Longitude:	-122.306152

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	CROCKETT'S PREMIER AUTO BODY INC
Entity Title:	Not reported
Affiliation Address:	900 San Pablo Ave
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 741-9001,

Affiliation Type Desc:	Operator
Entity Name:	Thomas Welsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 741-9001,

Affiliation Type Desc:	Document Preparer
Entity Name:	Thomas Welsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CROCKETT'S PREMIER AUTO BODY INC (Continued) **S121738619**

Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	CROCKETT'S PREMIER AUTO BODY INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Thomas Welsh
Entity Title:	Not reported
Affiliation Address:	900 San Pablo Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 741-9001,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Thomas Welsh
Entity Title:	Not reported
Affiliation Address:	900 SAN PABLO AVE
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	900 San Pablo Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Thomas Welsh
Entity Title:	General Manager
Affiliation Address:	Not reported

CROCKETT'S PREMIER AUTO BODY INC (Continued) **S121738619**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

E20 East < 1/8 0.107 mi. 565 ft. **BAYSIDE APARTMENTS** **RCRA NonGen / NLR** **1025839605**
535 SUNNYVIEW DR **CAC003019205**
PINOLE, CA 94564

Site 1 of 8 in cluster E

Relative: Higher

Actual: 79 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20190611
Handler Name:	BAYSIDE APARTMENTS	
Handler Address:		535 SUNNYVIEW DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003019205
Contact Name:		BAYSIDE APARTMENTS
Contact Address:		535 SUNNYVIEW DR
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		925-360-0449
Contact Fax:		Not reported
Contact Email:		JENNIFERD@CVECORP.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		535 SUNNYVIEW DR
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	BAYSIDE APARTMENTS	
Owner Type:		Other
Operator Name:	BAYSIDE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

BAYSIDE APARTMENTS (Continued) **1025839605**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	535 SUNNYVIEW DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	925-360-0449
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported

BAYSIDE APARTMENTS (Continued) **1025839605**

Date Ended Current: Not reported
Owner/Operator Address: 535 SUNNYVIEW DR
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 925-360-0449
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190611
Handler Name: BAYSIDE APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E21
East
< 1/8
0.107 mi.
565 ft.

BAYSIDE APARTMENTS **RCRA NonGen / NLR** **1024778373**
535 SUNNYVIEW **CAC002998318**
PINOLE, CA 94564

Site 2 of 8 in cluster E

Relative:
Higher

Actual:
79 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190125
Handler Name: BAYSIDE APARTMENTS
Handler Address: 535 SUNNYVIEW
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAC002998318
Contact Name: BAYSIDE APARTMENTS
Contact Address: 5510 MOREHOUSE DR. SUITE 200
Contact City,State,Zip: SAN DIEGO, CA 92121
Contact Telephone: 925-360-0449
Contact Fax: Not reported
Contact Email: DONNAS@CVECORP.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

BAYSIDE APARTMENTS (Continued) **1024778373**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DR. SUITE 200
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	BAYSIDE APARTMENTS	
Owner Type:		Other
Operator Name:	BAYSIDE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

BAYSIDE APARTMENTS (Continued) **1024778373**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR. SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	925-360-0449
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR. SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	925-360-0449
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190125
Handler Name: BAYSIDE APARTMENTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

BAYSIDE APARTMENTS (Continued) **1024778373**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E22 East < 1/8 0.107 mi. 565 ft. **BAYSIDE APARTMENTS** **RCRA NonGen / NLR** **1025836274**
535 SUNNYVIEW DR **CAC003015862**
PINOLE, CA 94564

Site 3 of 8 in cluster E

Relative: Higher
Actual: 79 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20190520
Handler Name:	BAYSIDE APARTMENTS	
Handler Address:		535 SUNNYVIEW DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003015862
Contact Name:		BAYSIDE APARTMENTS
Contact Address:		5510 MOREHOUSE DRIVE SUITE 200
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		415-846-2254
Contact Fax:		Not reported
Contact Email:		JENNIFERD@CVECORP.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE SUITE 200
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	BAYSIDE APARTMENTS	
Owner Type:		Other
Operator Name:	BAYSIDE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

BAYSIDE APARTMENTS (Continued) **1025836274**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	415-846-2254
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported

BAYSIDE APARTMENTS (Continued) **1025836274**

Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 415-846-2254
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190520
Handler Name: BAYSIDE APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E23
East
< 1/8
0.107 mi.
565 ft.

BAYSIDE APARTMENTS **RCRA NonGen / NLR** **1025854477**
535 SUNNYVIEW DR **CAC003034705**
PINOLE, CA 94564

Site 4 of 8 in cluster E

Relative:
Higher

Actual:
79 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190919
Handler Name: BAYSIDE APARTMENTS
Handler Address: 535 SUNNYVIEW DR
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAC003034705
Contact Name: BAYSIDE APARTMENTS
Contact Address: 5510 MOREHOUSE DRIVE SUITE 200
Contact City,State,Zip: SAN DIEGO, CA 92121
Contact Telephone: 510-306-7822
Contact Fax: Not reported
Contact Email: ADELENEV@CVECORP.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

BAYSIDE APARTMENTS (Continued) **1025854477**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE SUITE 200
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	BAYSIDE APARTMENTS	
Owner Type:		Other
Operator Name:	BAYSIDE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

BAYSIDE APARTMENTS (Continued) **1025854477**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190927
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	510-306-7822
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	510-306-7822
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190919
Handler Name: BAYSIDE APARTMENTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

BAYSIDE APARTMENTS (Continued) **1025854477**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E24 East < 1/8 0.107 mi. 565 ft. **BAYSIDE APARTMENTS** **RCRA NonGen / NLR** **1025854471**
535 SUNNYVIEW DR **CAC003034699**
PINOLE, CA 94564

Site 5 of 8 in cluster E

Relative: Higher
Actual: 79 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20190919
Handler Name:	BAYSIDE APARTMENTS	
Handler Address:		535 SUNNYVIEW DR
Handler City,State,Zip:		PINOLE, CA 94564-2354
EPA ID:		CAC003034699
Contact Name:		BAYSIDE APARTMENTS
Contact Address:		5510 MOREHOUSE DRIVE SUITE 200
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		510-306-7822
Contact Fax:		Not reported
Contact Email:		ADELENEV@CVECORP.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE SUITE 200
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	BAYSIDE APARTMENTS	
Owner Type:		Other
Operator Name:	BAYSIDE APARTMENTS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

BAYSIDE APARTMENTS (Continued) **1025854471**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190927
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	510-306-7822
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BAYSIDE APARTMENTS	
Legal Status:	Other
Date Became Current:	Not reported

BAYSIDE APARTMENTS (Continued) **1025854471**

Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DRIVE SUITE 200
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 510-306-7822
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190919
Handler Name: BAYSIDE APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F25 **SUSAN L NUTTLE DDS INC** **RCRA NonGen / NLR** **1024823516**
South **806 SAN PABLO AVE STE 4** **CAL000344422**
< 1/8 **PINOLE, CA 94564**
0.109 mi.
576 ft. **Site 1 of 6 in cluster F**

Relative:
Higher

Actual:
95 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20090702
Handler Name: SUSAN L NUTTLE DDS INC
Handler Address: 806 SAN PABLO AVE STE 4
Handler City,State,Zip: PINOLE, CA 94564-2479
EPA ID: CAL000344422
Contact Name: SUSAN L NUTTLE
Contact Address: 806 SAN PABLO AVE STE 4
Contact City,State,Zip: PINOLE, CA 94564
Contact Telephone: 510-724-5100
Contact Fax: 510-724-8709
Contact Email: DRNUTTLE@EARTHLINK.NET
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

SUSAN L NUTTLE DDS INC (Continued) **1024823516**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		806 SAN PABLO AVE STE 4
Mailing City,State,Zip:		PINOLE, CA 94564-2479
Owner Name:	SUSAN L NUTTLE DDS INC	
Owner Type:		Other
Operator Name:	SUSAN L NUTTLE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

SUSAN L NUTTLE DDS INC (Continued) **1024823516**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SUSAN L NUTTLE DDS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	806 SAN PABLO AVE STE 4
Owner/Operator City,State,Zip:	PINOLE, CA 94564-2479
Owner/Operator Telephone:	510-724-5100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SUSAN L NUTTLE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	806 SAN PABLO AVE STE 4
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-5100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20090702
Handler Name: SUSAN L NUTTLE DDS INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

SUSAN L NUTTLE DDS INC (Continued) **1024823516**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E26
ENE
< 1/8
0.109 mi.
577 ft.

FAIRFIELD PROPERTIES L.P **RCRA NonGen / NLR** **1026472208**
525 SUNNYVIEW DRIVE **CAC003077830**
PINOLE, CA 94564

Site 6 of 8 in cluster E

Relative:
Lower

Actual:
51 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200805
Handler Name:	FAIRFIELD PROPERTIES L.P	
Handler Address:		525 SUNNYVIEW DRIVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003077830
Contact Name:		MICHAEL VISSA
Contact Address:		5510 MOREHOUSE DRIVE
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		858-457-2123
Contact Fax:		Not reported
Contact Email:		SHACARRAHENDERSON@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	FAIRFIELD PROPERTIES L.P	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

FAIRFIELD PROPERTIES L.P (Continued) **1026472208**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported

FAIRFIELD PROPERTIES L.P (Continued) **1026472208**

Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 858-457-2123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200805
Handler Name: FAIRFIELD PROPERTIES L.P
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E27
ENE
< 1/8
0.109 mi.
577 ft.

FAIRFIELD PROPERTIES L.P **RCRA NonGen / NLR** **1026486743**
525 SUNNYVIEW DRIVE **CAC003092906**
PINOLE, CA 94564

Site 7 of 8 in cluster E

Relative:
Lower

Actual:
51 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20201113
Handler Name: FAIRFIELD PROPERTIES L.P
Handler Address: 525 SUNNYVIEW DRIVE
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAC003092906
Contact Name: MICHAEL VISSA
Contact Address: 5510 MOREHOUSE DRIVE
Contact City,State,Zip: SAN DIEGO, CA 92121
Contact Telephone: 858-457-2123
Contact Fax: Not reported
Contact Email: MVISSA@FFRES.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

FAIRFIELD PROPERTIES L.P (Continued) **1026486743**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DRIVE
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	FAIRFIELD PROPERTIES L.P	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

FAIRFIELD PROPERTIES L.P (Continued) **1026486743**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201117
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DRIVE
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201113
Handler Name: FAIRFIELD PROPERTIES L.P	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

FAIRFIELD PROPERTIES L.P (Continued) **1026486743**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E28
ENE
< 1/8
0.109 mi.
577 ft.

FAIRFIELD PROPERTIES L.P
525 SUNNYVIEW DR
PINOLE, CA 94564

RCRA NonGen / NLR **1026161035**
CAC003061015

Site 8 of 8 in cluster E

Relative:
Lower

Actual:
51 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200323
Handler Name:	FAIRFIELD PROPERTIES L.P	
Handler Address:		525 SUNNYVIEW DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003061015
Contact Name:		MICHAEL VISSA
Contact Address:		5510 MOREHOUSE DR
Contact City,State,Zip:		SAN DIEGO, CA 92121
Contact Telephone:		858-457-2123
Contact Fax:		Not reported
Contact Email:		SHACARRAHENDERSON@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5510 MOREHOUSE DR
Mailing City,State,Zip:		SAN DIEGO, CA 92121
Owner Name:	FAIRFIELD PROPERTIES L.P	
Owner Type:		Other
Operator Name:	MICHAEL VISSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

FAIRFIELD PROPERTIES L.P (Continued) **1026161035**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200408
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: FAIRFIELD PROPERTIES L.P	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 MOREHOUSE DR
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92121
Owner/Operator Telephone:	858-457-2123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL VISSA	
Legal Status:	Other
Date Became Current:	Not reported

FAIRFIELD PROPERTIES L.P (Continued) **1026161035**

Date Ended Current: Not reported
Owner/Operator Address: 5510 MOREHOUSE DR
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 858-457-2123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200323
Handler Name: FAIRFIELD PROPERTIES L.P
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G29 **WEST COAST ARBORISTS INC** **CONTRA COSTA CO. SITE LIST** **S126106824**
SW **760 SAN PABLO AVE** **HWTS** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.126 mi.
664 ft. **Site 1 of 5 in cluster G**

Relative:
Higher

Actual:
84 ft.

CONTRA COSTA CO. SITE LIST:
Name: WEST COAST ARBORISTS INC
Address: 760 SAN PABLO AVE
City: PINOLE
Facility ID: FA0033447
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 770935
CERS ID: Not reported

Name: WEST COAST ARBORISTS INC
Address: 760 SAN PABLO AVE
City: PINOLE
Facility ID: FA0033447
Billing Status: INACTIVE, NON-BILLABLE

WEST COAST ARBORISTS INC (Continued) **S126106824**

Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	770935
CERS ID:	Not reported

Name:	WEST COAST ARBORISTS INC
Address:	760 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0033447
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	770935
CERS ID:	Not reported

HWTS:

Name:	WEST COAST ARBORISTS INC
Address:	760 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000452152
Inactive Date:	Not reported
Create Date:	01/27/2020
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	760 SAN PABLO AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	WEST COAST ARBORISTS INC
Owner Address:	2200 E VIA BURTON
Owner Address 2:	Not reported
Owner City,State,Zip:	ANAHEIM, CA 92806
Contact Name:	NICOLE WARDRIP
Contact Address:	760 SAN PABLO AVE
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.005398
Longitude:	-122.3094915

NAICS:

EPA ID:	CAL000452152
Create Date:	2020-01-27 09:30:26.860
NAICS Code:	999999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2020-01-27 09:30:26.81300
Inactive Date:	Not reported
Facility Name:	WEST COAST ARBORISTS INC
Facility Address:	760 SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA

WEST COAST ARBORISTS INC (Continued) **S126106824**

Facility Zip: 94564

G30 SW 1/8-1/4 0.126 mi. 664 ft. **WEST COAST ARBOISTS 760 SAN PABLO AVE PINOLE, CA 94564** **RCRA NonGen / NLR** **1026045537 CAC003051968**

Site 2 of 5 in cluster G

Relative: Higher

Actual: 84 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200120
Handler Name:	WEST COAST ARBOISTS	
Handler Address:		760 SAN PABLO AVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003051968
Contact Name:		NICOLE WARDRIP
Contact Address:		760 SAN PABLO AVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-921-3924
Contact Fax:		Not reported
Contact Email:		NWARDRIP@WCAINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		760 SAN PABLO AVE
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	PATRICK MAHONEY	
Owner Type:		Other
Operator Name:	NICOLE WARDRIP	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

WEST COAST ARBOISTS (Continued) **1026045537**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PATRICK MAHONEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2200 E. VIA BURTON
Owner/Operator City,State,Zip:	ANAHEIM, CA 92806
Owner/Operator Telephone:	800-521-3714
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NICOLE WARDRIP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	760 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-921-3924

WEST COAST ARBOISTS (Continued) **1026045537**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NICOLE WARDRIP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	760 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-921-3924
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: PATRICK MAHONEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2200 E. VIA BURTON
Owner/Operator City,State,Zip:	ANAHEIM, CA 92806
Owner/Operator Telephone:	800-521-3714
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200127
Handler Name: WEST COAST ARBOISTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20200120
Handler Name: WEST COAST ARBOISTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

WEST COAST ARBOISTS (Continued) **1026045537**

NAICS Code: 238910
NAICS Description: SITE PREPARATION CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G31 **BRADSHAW CONCRETE** **LUST** **S102425714**
SW **760 SAN PABLO AVE** **Cortese** **N/A**
1/8-1/4 **PINOLE, CA 94564** **HIST CORTESE**
0.126 mi. **CERS**
664 ft. **Site 3 of 5 in cluster G**

Relative:
Higher

Actual:
84 ft.

LUST:
Name: BRADSHAW CONCRETE
Address: 760 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300624
Global Id: T0601300624
Latitude: 38.005559
Longitude: -122.309659
Status: Completed - Case Closed
Status Date: 05/01/1998
Case Worker: Not reported
RB Case Number: 07-0675
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: 70935
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300624
Contact Type: Local Agency Caseworker
Contact Name: SUE LOYD
Organization Name: CONTRA COSTA COUNTY
Address: 4333 PACHECO BLVD.
City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:
Global Id: T0601300624
Action Type: Other
Date: 06/29/1986
Action: Leak Discovery

Global Id: T0601300624
Action Type: Other
Date: 06/29/1986
Action: Leak Reported

BRADSHAW CONCRETE (Continued) **S102425714**

Global Id: T0601300624
Action Type: ENFORCEMENT
Date: 05/01/1998
Action: Closure/No Further Action Letter

Global Id: T0601300624
Action Type: Other
Date: 06/29/1986
Action: Leak Stopped

LUST:
Global Id: T0601300624
Status: Open - Case Begin Date
Status Date: 06/29/1986

Global Id: T0601300624
Status: Open - Site Assessment
Status Date: 04/04/1994

Global Id: T0601300624
Status: Completed - Case Closed
Status Date: 05/01/1998

LUST REG 2:
Region: 2
Facility Id: 07-0675
Facility Status: Case Closed
Case Number: 70935
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 4/4/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CORTESE:
Name: BRADSHAW CONCRETE
Address: 760 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300624
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported

BRADSHAW CONCRETE (Continued) **S102425714**

Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	BRADSHAW CONCRETE
edr_fadd1:	760 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0675

CERS:

Name:	BRADSHAW CONCRETE
Address:	760 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	259807
CERS ID:	T0601300624
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

G32 **S & L BODY & FRAME** **RCRA NonGen / NLR** **1024865506**
SW **760 SAN PABLO AVE BLDG 4 UNIT 1** **CAL000434080**
1/8-1/4 **PINOLE, CA 94564**
0.126 mi.
664 ft. **Site 4 of 5 in cluster G**

Relative:
Higher

Actual:
84 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20180308
Handler Name:	S & L BODY & FRAME
Handler Address:	760 SAN PABLO AVE BLDG 4 UNIT 1
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000434080
Contact Name:	LORENZO CARRANZA JR
Contact Address:	760 SAN PABLO AVE BLDG 4 UNIT 1
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	510-776-4407
Contact Fax:	Not reported

S & L BODY & FRAME (Continued) **1024865506**

Contact Email:		PINOLEAUTOBODY@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		760 SAN PABLO AVE BLDG 4 UNIT 1
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	LORENZO CARRANZA JR	
Owner Type:		Other
Operator Name:	LORENZO CARRANZA JR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A

S & L BODY & FRAME (Continued) **1024865506**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LORENZO CARRANZA JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	760 SAN PABLO AVE BLDG 4 UNIT 1
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-776-4407
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: LORENZO CARRANZA JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1536 ESMOND AVE
Owner/Operator City,State,Zip:	RICHMOND, CA 94801
Owner/Operator Telephone:	510-776-4407
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180308
Handler Name: S & L BODY & FRAME	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

S & L BODY & FRAME (Continued) **1024865506**

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G33 SW 1/8-1/4 0.126 mi. 664 ft. **WEST COAST ARBORISTS INC** **RCRA NonGen / NLR** **1026055966**
760 SAN PABLO AVE **CAL000452152**
PINOLE, CA 94564

Site 5 of 5 in cluster G

Relative: Higher
Actual: 84 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200127
Handler Name:	WEST COAST ARBORISTS INC	
Handler Address:		760 SAN PABLO AVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAL000452152
Contact Name:		NICOLE WARDRIP
Contact Address:		760 SAN PABLO AVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-921-3924
Contact Fax:		510-921-3925
Contact Email:		NWARDRIP@WCAINC.COM
Contact Title:		OFFICE MANAGER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		760 SAN PABLO AVE
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	WEST COAST ARBORISTS INC	
Owner Type:		Private
Operator Name:	NICOLE WARDRIP	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

WEST COAST ARBORISTS INC (Continued) **1026055966**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200219
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: WEST COAST ARBORISTS INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2200 E VIA BURTON
Owner/Operator City,State,Zip:	ANAHEIM, CA 92806
Owner/Operator Telephone:	800-521-3714
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	888-988-0192

WEST COAST ARBORISTS INC (Continued) **1026055966**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NICOLE WARDRIP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 760 SAN PABLO AVE
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-921-3924
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200127
Handler Name: WEST COAST ARBORISTS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D34 **ABB OPTICAL GROUP LLC** **RCRA NonGen / NLR** **1024830575**
SSE **920 SAN PABLO AVE** **CAL000365739**
1/8-1/4 **PINOLE, CA 94564**
0.127 mi.
673 ft. **Site 4 of 5 in cluster D**

Relative:
Higher

Actual:
110 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20110718
Handler Name: ABB OPTICAL GROUP LLC
Handler Address: 920 SAN PABLO AVE
Handler City,State,Zip: PINOLE, CA 94564
EPA ID: CAL000365739
Contact Name: JOHN KENYON
Contact Address: 1750 NORTH LOOP RD
Contact City,State,Zip: ALAMEDA, CA 94502-0000
Contact Telephone: 510-483-9400
Contact Fax: 510-614-3956

ABB OPTICAL GROUP LLC (Continued) **1024830575**

Contact Email:		JKENYON@ABBOPTICAL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1750 NORTH LOOP RD STE 150
Mailing City,State,Zip:		ALAMEDA, CA 94502-0000
Owner Name:	ABB OPTICAL GROUP LLC	
Owner Type:		Other
Operator Name:	JOHN KENYON	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A

ABB OPTICAL GROUP LLC (Continued) **1024830575**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN KENYON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1750 NORTH LOOP RD
Owner/Operator City,State,Zip:	ALAMEDA, CA 94502-0000
Owner/Operator Telephone:	510-483-9400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ABB OPTICAL GROUP LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1750 N LOOP RD STE 150
Owner/Operator City,State,Zip:	ALAMEDA, CA 94502-0000
Owner/Operator Telephone:	510-483-9400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20110718
Handler Name: ABB OPTICAL GROUP LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ABB OPTICAL GROUP LLC (Continued) **1024830575**

List of NAICS Codes and Descriptions:
NAICS Code: 339115
NAICS Description: OPHTHALMIC GOODS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D35 ABB CONCISE OPTICAL GROUP LLC HAZNET S106800081
SSE 920 SAN PABLO AVE CONTRA COSTA CO. SITE LIST N/A
1/8-1/4 PINOLE, CA 94564 HWTS
0.127 mi.
673 ft. Site 5 of 5 in cluster D

Relative: Higher
Actual: 110 ft.

HAZNET:
Name: ABB OPTICAL GROUP LLC
Address: 920 SAN PABLO AVE
Address 2: Not reported
City,State,Zip: PINOLE, CA 94564
Contact: JOHN KENYON
Telephone: 5104839400
Mailing Name: Not reported
Mailing Address: 1750 NORTH LOOP RD STE 150

Year: 2015
Gepaid: CAL000365739
TSD EPA ID: CAD008302903
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.01

Year: 2015
Gepaid: CAL000365739
TSD EPA ID: CAT080014079
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08

Year: 2015
Gepaid: CAL000365739
TSD EPA ID: CAT080014079
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025

Year: 2015
Gepaid: CAL000365739
TSD EPA ID: CAD008302903
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Tons:	0.01
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAD008302903
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0185
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAT080014079
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAT080014079
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0475
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0175
Year:	2011
Gepaid:	CAL000365739
TSD EPA ID:	CAT080014079
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2011
Gen EPA ID:	CAL000365739

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Shipment Date:	20111027
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111027
Manifest ID:	000544911VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111027
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111027
Manifest ID:	000544911VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111027
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111027
Manifest ID:	000544911VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111027
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111027
Manifest ID:	000544911VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111027
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000544911VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111018
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111018
Manifest ID:	000439943VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111018
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111018
Manifest ID:	000439943VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000439942VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000439942VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111018
Creation Date:	Not reported
Receipt Date:	Not reported

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Manifest ID:	000439942VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000365739
Shipment Date:	20150512
Creation Date:	8/31/2015 22:15:34
Receipt Date:	20150520
Manifest ID:	000741226VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U220
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	F005
Additional Code 3:	F003
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20150512
Creation Date:	8/21/2015 22:15:14
Receipt Date:	20150519
Manifest ID:	000741227VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150512
Creation Date:	8/21/2015 22:15:14
Receipt Date:	20150519
Manifest ID:	000741227VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150512
Creation Date:	8/31/2015 22:15:34
Receipt Date:	20150520
Manifest ID:	000741226VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	OCU-EASE OPT PRO INC
Address:	920 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030153
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	773484
CERS ID:	10018177

HWTS:

Name:	ABB OPTICAL GROUP LLC
Address:	920 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000365739
Inactive Date:	06/30/2019
Create Date:	07/18/2011
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1750 NORTH LOOP RD STE 150
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALAMEDA, CA 945020000
Owner Name:	ABB OPTICAL GROUP LLC
Owner Address:	1750 N LOOP RD STE 150
Owner Address 2:	Not reported
Owner City,State,Zip:	ALAMEDA, CA 945020000
Contact Name:	JOHN KENYON
Contact Address:	1750 NORTH LOOP RD
Contact Address 2:	Not reported
City,State,Zip:	ALAMEDA, CA 945020000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.00491
Longitude:	-122.30556

NAICS:

EPA ID:	CAL000365739
Create Date:	2011-07-18 10:14:34.617
NAICS Code:	339115
NAICS Description:	Ophthalmic Goods Manufacturing
Issued EPA ID Date:	2011-07-18 10:14:34.58300
Inactive Date:	2019-06-30 00:00:00

ABB CONCISE OPTICAL GROUP LLC (Continued) **S106800081**

Facility Name:	ABB OPTICAL GROUP LLC
Facility Address:	920 SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94564

F36 **ANTHONY'S AUTO WRECKING** **CPS-SLIC** **S106234930**
South **850 SN PABLO AVENUE** **DEED** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.128 mi.
674 ft. **Site 2 of 6 in cluster F**

Relative:
Higher

Actual:
98 ft.

SLIC REG 2:

Region:	2
Facility ID:	07S0139
Facility Status:	Case Closed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

CPS-SLIC:

Name:	ANTHONY'S AUTO WRECKING
Address:	850 SN PABLO AVENUE
City,State,Zip:	PINOLE, CA 94564
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/23/2002
Global Id:	SL601392684
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	38.0061211934471
Longitude:	-122.307979883606
Case Type:	Cleanup Program Site
Case Worker:	UUU
Local Agency:	Not reported
RB Case Number:	07S0139
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

DEED:

Name:	ANTHONY'S AUTO WRECKING

ANTHONY'S AUTO WRECKING (Continued) **S106234930**

Address: 850 SN PABLO AVENUE
City,State,Zip: PINOLE, CA 94564
Envirostor ID: SL601392684
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 04/26/2012
File Name: Geotracker Land Use/Deed Restrictions

F37
South
1/8-1/4
0.128 mi.
674 ft.

ANTHONY AUTO WRECKERS INC **SWEEPS UST** **U001597867**
850 SAN PABLO AVENUE **HIST UST** **N/A**
PINOLE, CA 94564

Site 3 of 6 in cluster F

Relative:
Higher

Actual:
98 ft.

SWEEPS UST:
Name: ANTHONY AUTO WRECKERS, INC.
Address: 850 SAN PABLO AVE
City: PINOLE
Status: Not reported
Comp Number: 77
Number: Not reported
Board Of Equalization: 44-002154
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-000077-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: ANTHONY AUTO WRECKERS, INC.
Address: 850 SAN PABLO AVE
City: PINOLE
Status: Not reported
Comp Number: 77
Number: Not reported
Board Of Equalization: 44-002154
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-000077-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: MOTOR VEHICL
Number Of Tanks: Not reported

ANTHONY AUTO WRECKERS INC (Continued) **U001597867**

HIST UST:

Name:	ANTHONY AUTO WRECKERS INC
Address:	850 SAN PABLO AVENUE
City,State,Zip:	PINOLE, CA 94564
File Number:	000227B1
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000227B1.pdf
Region:	STATE
Facility ID:	00000000077
Facility Type:	Other
Other Type:	AUTO WRECKERS
Contact Name:	ARLEY E. ANTHONY, JR.
Telephone:	4152236121
Owner Name:	ANTHONY AUTO WRECKERS, INC.
Owner Address:	850 SAN PABLO AVENUE
Owner City,St,Zip:	PINOLE, CA 94564
Total Tanks:	0002
Tank Num:	001
Container Num:	ONE
Year Installed:	1960
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	TWO
Year Installed:	1960
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

F38 **ANTHONY AUTO WRECKERS INC** **LUST** **S104162241**
South **850 SAN PABLO AVE** **CPS-SLIC** **N/A**
1/8-1/4 **PINOLE, CA 94564** **Cortese**
0.128 mi. **ENF**
674 ft. **Site 4 of 6 in cluster F** **HIST CORTESE**
CONTRA COSTA CO. SITE LIST
Relative: **CIWQS**
Higher **CERS**
Actual:
98 ft.

LUST:

Name:	ANTHONY AUTO WRECKERS INC
Address:	850 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300526
Global Id:	T0601300526
Latitude:	38.0061880572992
Longitude:	-122.307464256622
Status:	Completed - Case Closed

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Status Date:	06/25/2002
Case Worker:	Not reported
RB Case Number:	07-0570
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	00077
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300526
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300526
Action Type:	ENFORCEMENT
Date:	08/06/2002
Action:	Staff Letter
Global Id:	T0601300526
Action Type:	ENFORCEMENT
Date:	12/06/2000
Action:	Staff Letter
Global Id:	T0601300526
Action Type:	ENFORCEMENT
Date:	07/23/2001
Action:	Staff Letter
Global Id:	T0601300526
Action Type:	ENFORCEMENT
Date:	07/01/1999
Action:	Staff Letter
Global Id:	T0601300526
Action Type:	ENFORCEMENT
Date:	05/01/2000
Action:	13267 Requirement
Global Id:	T0601300526
Action Type:	Other
Date:	01/30/1992
Action:	Leak Discovery
Global Id:	T0601300526
Action Type:	RESPONSE
Date:	11/06/2002
Action:	Other Report / Document
Global Id:	T0601300526

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Action Type: ENFORCEMENT
Date: 03/28/2001
Action: * Historical Enforcement

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 11/09/2001
Action: Staff Letter

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 12/14/2001
Action: Staff Letter

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 02/27/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 12/17/2002
Action: DEED/LUC Site Inspection / Visit

Global Id: T0601300526
Action Type: Other
Date: 01/30/1992
Action: Leak Reported

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 03/27/2001
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 08/10/2000
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: RESPONSE
Date: 08/20/2008
Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 01/16/2001
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0601300526
Action Type: RESPONSE
Date: 01/09/2001
Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 07/27/1994

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 09/09/2002
Action: Well Destruction Report

Global Id: T0601300526
Action Type: RESPONSE
Date: 12/01/2001
Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 06/21/2001
Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 08/10/2001
Action: Site Assessment Report

Global Id: T0601300526
Action Type: RESPONSE
Date: 03/11/1997
Action: Other Report / Document

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 06/25/2002
Action: State Water Board Closure Order

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 11/09/2001
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 02/21/1997
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 08/06/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: Other
Date: 01/30/1992
Action: Leak Stopped

Global Id: T0601300526
Action Type: RESPONSE
Date: 12/11/2001
Action: Interim Remedial Action Plan

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Global Id: T0601300526
Action Type: RESPONSE
Date: 06/05/1997
Action: Other Report / Document

Global Id: T0601300526
Action Type: RESPONSE
Date: 08/20/2000
Action: Soil and Water Investigation Workplan

Global Id: T0601300526
Action Type: RESPONSE
Date: 11/02/2000
Action: Soil and Water Investigation Report

Global Id: T0601300526
Action Type: RESPONSE
Date: 05/22/2002
Action: Remedial Progress Report

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 06/20/2001
Action: Staff Letter

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 03/01/1996
Action: Closure/No Further Action Letter

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 12/14/2001
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 12/06/2000
Action: Staff Letter

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 06/18/1997
Action: Closure Summary

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 01/14/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300526
Action Type: ENFORCEMENT
Date: 06/25/2002
Action: Closure/No Further Action Letter

Global Id: T0601300526
Action Type: ENFORCEMENT

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Date: 09/27/2001
Action: Clean Up Fund - Letter to RP

LUST:
Global Id: T0601300526
Status: Open - Case Begin Date
Status Date: 01/30/1992

Global Id: T0601300526
Status: Open - Site Assessment
Status Date: 07/27/1994

Global Id: T0601300526
Status: Open - Site Assessment
Status Date: 08/02/1994

Global Id: T0601300526
Status: Completed - Case Closed
Status Date: 06/25/2002

LUST REG 2:
Region: 2
Facility Id: 07-0570
Facility Status: Case Closed
Case Number: 00077
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 7/27/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/2/1994
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CPS-SLIC:
Name: CHEVRON HISTORIC PIPELINE
Address: 850 SAN PABLO AVENUE
City,State,Zip: PINOLE, CA 94564
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 02/13/2017
Global Id: T10000006730
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 38.0044228618897
Longitude: -122.312555968628
Case Type: Cleanup Program Site
Case Worker: AVC
Local Agency: Not reported
RB Case Number: 2188.1245
File Location: Regional Board
Potential Media Affected: Soil

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Potential Contaminants of Concern: Benzene, Diesel, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Other Petroleum

Site History: The site includes a right of way associated with the former Standard Oil of California pipeline. The pipeline was used between early 1900s through the 1930s to transport crude oil from the San Joaquin Valley to refineries in the San Francisco Bay area. A soil and groundwater investigation was performed in August 2007. A comparison of site data to ESLs concluded that total petroleum hydrocarbons as diesel, benzene, toluene, ethylbenzene, and total xylenes and polynuclear aromatic hydrocarbons at the site do not pose a threat to human health and the environment for a residential land use scenario.

Click here to access the California GeoTracker records for this facility:

CORTESE:

Name:	ANTHONY AUTO WRECKERS INC
Address:	850 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300526
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168075
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238934
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2001
Adoption/Issuance Date:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0570
Description:	Request for workplan
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

WDID:	2 07-0570
Reg Measure Id:	168075
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238841
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	12/14/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0570
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168075
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236666
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/20/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0570
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168075
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236061
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	03/27/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	6/20/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0570
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	6/20/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168075
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236059
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	12/06/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0570
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168564
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	249577
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0570

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174
Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168564
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	248271
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0570
Description:	Closure Letter
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	207771
Agency Name:	Anthony Auto Wreckers
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005174

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Place Longitude:	-122.307431
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0570
Reg Measure Id:	168564
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236475
Region:	2
Order / Resolution Number:	UNKNOWN

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Enforcement Action Type:	13267 Letter
Effective Date:	08/10/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0570
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	ANTHONY AUTO WRECKERS INC
edr_fadd1:	850 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0570

CONTRA COSTA CO. SITE LIST:

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030698
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	700077
CERS ID:	10004239

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030698
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	700077
CERS ID:	10004239

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO AVE
City:	PINOLE

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Facility ID:	FA0030698
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	700077
CERS ID:	10004239

CIWQS:

Name:	ANTHONY AUTO WRECKERS
Address:	850 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Agency:	Anthony Auto Wreckers
Agency Address:	850 San Pablo Ave, Pinole, CA 94564
Place/Project Type:	Industrial - Motor Vehicle Parts, Used
SIC/NAICS:	5015
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 07I000373
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/11/1992
Termination Date:	06/29/1998
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.00521
Longitude:	-122.30789

CERS:

Name:	ANTHONY AUTO WRECKERS INC
Address:	850 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	242073
CERS ID:	T0601300526
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name: CHEVRON HISTORIC PIPELINE

ANTHONY AUTO WRECKERS INC (Continued) **S104162241**

Address: 850 SAN PABLO AVENUE
City,State,Zip: PINOLE, CA 94564
Site ID: 272801
CERS ID: T10000006730
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ADRIANA CONSTANTINESCU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

H39 **ANIMAL SERVICES FACILITY (PINOLE, CA)** **HAZNET** **S111022994**
SSE **910 SAN PABLO AVE** **CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **PINOLE, CA 94564** **HWTS**
0.147 mi.
777 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
105 ft.

HAZNET:
Name: CONTRA COSTA COUNTY ANIMAL SERVICES
Address: 910 SAN PABLO AVENUE
Address 2: Not reported
City,State,Zip: PINOLE, CA 94564
Contact: NICOLE BAPTIST
Telephone: 9253358342
Mailing Name: Not reported
Mailing Address: 910 SAN PABLO AVENUE

Year: 2016
Gepaid: CAC002882880
TSD EPA ID: CAD059494310
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H070 -
Tons: 0.06255

Year: 2016
Gepaid: CAC002882880
TSD EPA ID: CAD059494310
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00834

Year: 2016
Gepaid: CAC002882880
TSD EPA ID: CAD980675276
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.102

Year: 2016

ANIMAL SERVICES FACILITY (PINOLE, CA) (Continued) **S111022994**

Gepaid:	CAC002882880
TSD EPA ID:	CAD059494310
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.187

Year:	2016
Gepaid:	CAC002882880
TSD EPA ID:	CAD059494310
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.054

CONTRA COSTA CO. SITE LIST:

Name:	ANIMAL SERVICES FACILITY (PINOLE, CA)
Address:	910 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0031304
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	774295
CERS ID:	10482367

Name:	ANIMAL SERVICES FACILITY (PINOLE, CA)
Address:	910 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0031304
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	774295
CERS ID:	10482367

HWTS:

Name:	CONTRA COSTA COUNTY ANIMAL SERVICES
Address:	910 SAN PABLO AVENUE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC002882880
Inactive Date:	01/21/2017
Create Date:	10/21/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	910 SAN PABLO AVENUE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	CONTRA COSTA COUNTY
Owner Address:	910 SAN PABLO AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	PINOLE, CA 94564

ANIMAL SERVICES FACILITY (PINOLE, CA) (Continued) **S111022994**

Contact Name:	NICOLE BAPTIST
Contact Address:	910 SAN PABLO AVENUE
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	-90
Longitude:	180

NAICS:

EPA ID:	CAC002882880
Create Date:	2016-10-21 08:42:57.700
NAICS Code:	11521
NAICS Description:	Support Activities for Animal Production
Issued EPA ID Date:	2016-10-21 08:42:57.73000
Inactive Date:	2017-01-21 03:00:31.60000
Facility Name:	CONTRA COSTA COUNTY ANIMAL SERVICES
Facility Address:	910 SAN PABLO AVENUE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94564

H40 **CONTRA COSTA ANIMAL SERVICES** **RCRA NonGen / NLR** **1024864513**
SSE **910 SAN PABLO AVE** **CAL000433075**
1/8-1/4 **PINOLE, CA 94564**
0.147 mi.
777 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
105 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20180108
Handler Name:	CONTRA COSTA ANIMAL SERVICES
Handler Address:	910 SAN PABLO AVE
Handler City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000433075
Contact Name:	ARTURO CASTILLO
Contact Address:	910 SAN PABLO AVE
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	925-608-8408
Contact Fax:	925-608-8401
Contact Email:	ARTURO.CASTILLO@ASD.CCCOUNTY.US
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	910 SAN PABLO AVE
Mailing City,State,Zip:	PINOLE, CA 94564
Owner Name:	CONTRA COSTA ANIMAL SERVICES
Owner Type:	Other

CONTRA COSTA ANIMAL SERVICES (Continued) **1024864513**

Operator Name:	ARTURO CASTILLO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CONTRA COSTA ANIMAL SERVICES (Continued) **1024864513**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONTRA COSTA ANIMAL SERVICES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	910 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	925-608-8400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARTURO CASTILLO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	910 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	925-608-8408
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180108
Handler Name:	CONTRA COSTA ANIMAL SERVICES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	812910
NAICS Description:	PET CARE (EXCEPT VETERINARY) SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F41 South 1/8-1/4 0.152 mi. 801 ft. | **PINOLE BAIT AND TACKLE**
825 SAN PABLO AVE
PINOLE, CA 94565

Site 5 of 6 in cluster F

SWEEPS UST | **U001597929**
HIST UST | **N/A**

Relative: Higher

Actual: 100 ft.

SWEEPS UST:

Name:	PINOLE BAIT AND TACKLE
Address:	825 SAN PABLO AVE
City:	PINOLE
Status:	Not reported
Comp Number:	18876
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-018876-000001
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	BLEND GASOLI
Number Of Tanks:	4

Name:	PINOLE BAIT AND TACKLE
Address:	825 SAN PABLO AVE
City:	PINOLE
Status:	Not reported
Comp Number:	18876
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-018876-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	BLEND GASOLI
Number Of Tanks:	Not reported

Name:	PINOLE BAIT AND TACKLE
Address:	825 SAN PABLO AVE
City:	PINOLE
Status:	Not reported
Comp Number:	18876
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-018876-000003

PINOLE BAIT AND TACKLE (Continued) **U001597929**

Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	BLEND GASOLI
Number Of Tanks:	Not reported

Name:	PINOLE BAIT AND TACKLE
Address:	825 SAN PABLO AVE
City:	PINOLE
Status:	Not reported
Comp Number:	18876
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-018876-000004
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

HIST UST:

Name:	PINOLE BAIT AND TACKLE
Address:	825 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94565
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000018876
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	VINCENT F. BLANK
Telephone:	4157249042
Owner Name:	TIME OIL CO.
Owner Address:	2737 W. COMMODORE WAY
Owner City,St,Zip:	SEATTLE, WA 98199
Total Tanks:	0003

Tank Num:	001
Container Num:	401
Year Installed:	1956
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	423
Year Installed:	1956

PINOLE BAIT AND TACKLE (Continued) **U001597929**

Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	422
Year Installed:	1956
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

F42 **TIME OIL COMPANY** **LUST** **S102439121**
South **825 SAN PABLO AVE** **Cortese** **N/A**
1/8-1/4 **PINOLE, CA 94564** **ENF**
0.152 mi. **HIST CORTESE**
801 ft. **Site 6 of 6 in cluster F** **CONTRA COSTA CO. SITE LIST**
CERS

Relative:
Higher

Actual:
100 ft.

LUST:

Name:	TIME OIL COMPANY
Address:	825 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300308
Global Id:	T0601300308
Latitude:	38.0048249
Longitude:	-122.307721
Status:	Completed - Case Closed
Status Date:	03/28/2008
Case Worker:	MYM
RB Case Number:	07-0329
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	18876
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300308
Contact Type:	Regional Board Caseworker
Contact Name:	MARTIN MUSONGE
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET
City:	OAKLAND
Email:	martin.musonge@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300308
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.

TIME OIL COMPANY (Continued) **S102439121**

City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:
Global Id: T0601300308
Action Type: Other
Date: 07/03/1986
Action: Leak Discovery

Global Id: T0601300308
Action Type: Other
Date: 04/19/1986
Action: Leak Reported

Global Id: T0601300308
Action Type: Other
Date: 07/03/1986
Action: Leak Stopped

Global Id: T0601300308
Action Type: ENFORCEMENT
Date: 03/27/2008
Action: Closure/No Further Action Letter

LUST:
Global Id: T0601300308
Status: Open - Case Begin Date
Status Date: 04/19/1986

Global Id: T0601300308
Status: Open - Site Assessment
Status Date: 05/09/1994

Global Id: T0601300308
Status: Completed - Case Closed
Status Date: 03/28/2008

LUST REG 2:
Region: 2
Facility Id: 07-0329
Facility Status: Leak being confirmed
Case Number: 18876
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 5/9/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

TIME OIL COMPANY (Continued) **S102439121**

CORTESE:

Name:	TIME OIL COMPANY
Address:	825 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300308
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	TIME OIL COMPANY
Address:	825 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	267574
Agency Name:	Time Oil Company Richmond Terminal
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005071
Place Longitude:	-122.307882
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported

TIME OIL COMPANY (Continued) **S102439121**

Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0329
Reg Measure Id:	164706
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236525
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/04/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0329
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

TIME OIL COMPANY (Continued) **S102439121**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	TIME OIL COMPANY
Address:	825 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	267574
Agency Name:	Time Oil Company Richmond Terminal
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.005071
Place Longitude:	-122.307882
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0329
Reg Measure Id:	164706
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013

TIME OIL COMPANY (Continued) **S102439121**

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236524
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	11/16/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0329
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	TIME OIL COMPANY
edr_fadd1:	825 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0329

CONTRA COSTA CO. SITE LIST:

Name:	PINOLE BAIT & TACKLE
Address:	825 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0031871
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	718876

TIME OIL COMPANY (Continued) **S102439121**

CERS ID: 10006165

CERS:

Name:	TIME OIL COMPANY
Address:	825 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	242689
CERS ID:	T0601300308
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

H43 **WEST CAT** **CONTRA COSTA CO. SITE LIST** **S102261561**
SSE **953 SAN PABLO AVE B** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.171 mi.
904 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
103 ft.

CONTRA COSTA CO. SITE LIST:

Name:	WEST CAT
Address:	953 SAN PABLO AVE B
City:	PINOLE
Facility ID:	FA0028078
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	771311
CERS ID:	10011949

44 East 1/8-1/4 0.183 mi. 968 ft. | **JEFF SCOTT**
1141 BELFAIR DR
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1026167937**
CAC003067982

Relative: Higher
Actual: 123 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200522
Handler Name:	JEFF SCOTT	
Handler Address:		1141 BELFAIR DR
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003067982
Contact Name:		JEFF SCOTT
Contact Address:		1141 BELFAIR DR
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-326-1158
Contact Fax:		Not reported
Contact Email:		NATALY.RIVERA@SYNERGYCOMPANIES.ORG
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1141 BELFAIR DR
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	JEFF SCOTT	
Owner Type:		Other
Operator Name:	JEFF SCOTT	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

JEFF SCOTT (Continued) **1026167937**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JEFF SCOTT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1141 BELFAIR DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-326-1158
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JEFF SCOTT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1141 BELFAIR DR
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-326-1158
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

JEFF SCOTT (Continued) **1026167937**

Historic Generators:

Receive Date:	20200522
Handler Name: JEFF SCOTT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I45 SW 1/8-1/4 0.198 mi. 1046 ft. **CORTEZ TIRES AND AUTO REPAIR** **RCRA NonGen / NLR** **1024846755**
730 SAN PABLO AVE BLDG 2 **CAL000401129**
PINOLE, CA 94564

Site 1 of 15 in cluster I

Relative: Higher

Actual: 92 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20141008
Handler Name:	CORTEZ TIRES AND AUTO REPAIR
Handler Address:	730 SAN PABLO AVE BLDG 2
Handler City,State,Zip:	PINOLE, CA 94564-2695
EPA ID:	CAL000401129
Contact Name:	ISAEL CORTEZ
Contact Address:	730 SAN PABLO AVE
Contact City,State,Zip:	SAN PABLO, CA 94806
Contact Telephone:	510-417-2484
Contact Fax:	Not reported
Contact Email:	CORTEZ.TIRES@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	730 SAN PABLO AVE BLDG 2
Mailing City,State,Zip:	PINOLE, CA 94564-2695
Owner Name:	ISAEL CORTEZ

CORTEZ TIRES AND AUTO REPAIR (Continued) **1024846755**

Owner Type:		Other
Operator Name:	ISAEL CORTEZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180906
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

CORTEZ TIRES AND AUTO REPAIR (Continued) **1024846755**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ISAEL CORTEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 730 SAN PABLO AVE
Owner/Operator City,State,Zip: SAN PABLO, CA 94806
Owner/Operator Telephone: 510-417-2484
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ISAEL CORTEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 730 SAN PABLO AVE
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-417-2484
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20141008
Handler Name: CORTEZ TIRES AND AUTO REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I46 SW 1/8-1/4 0.198 mi. 1046 ft. | **CORTEZ TIRES AND AUTO REPAIR**
730 SAN PABLO AVE #2
PINOLE, CA 94564

CERS HAZ WASTE **S121738472**
CERS **N/A**

Site 2 of 15 in cluster I

Relative: Higher

Actual: 92 ft.

CERS HAZ WASTE:

Name:	CORTEZ TIRES AND AUTO REPAIR
Address:	730 SAN PABLO AVE #2
City,State,Zip:	PINOLE, CA 94564
Site ID:	108197
CERS ID:	10017421
CERS Description:	Hazardous Waste Generator

CERS:

Name:	CORTEZ TIRES AND AUTO REPAIR
Address:	730 SAN PABLO AVE #2
City,State,Zip:	PINOLE, CA 94564
Site ID:	108197
CERS ID:	10017421
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Violation Date:	05-09-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/09/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Violation Date:	04-04-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 05/09/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Violation Date:	04-04-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/04/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Violation Date:	04-04-2016

CORTEZ TIRES AND AUTO REPAIR (Continued) **S121738472**

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/09/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 108197
Site Name: CORTEZ TIRES AND AUTO REPAIR
Violation Date: 04-04-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/09/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

CORTEZ TIRES AND AUTO REPAIR (Continued) **S121738472**

Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-04-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Site Address:	730 SAN PABLO AVE #2
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-04-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Site Address:	730 SAN PABLO AVE #2
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-04-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	108197
Site Name:	CORTEZ TIRES AND AUTO REPAIR
Site Address:	730 SAN PABLO AVE #2
Site City:	PINOLE

CORTEZ TIRES AND AUTO REPAIR (Continued) **S121738472**

Site Zip:	94564
Enf Action Date:	05-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mario Ramos
Entity Title:	Not reported
Affiliation Address:	730 SAN PABLO AVE #2
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Identification Signer
Entity Name:	Isael Cortez
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Isael Cortez
Entity Title:	Not reported
Affiliation Address:	3061 baywood ln
Affiliation City:	san pablo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94806
Affiliation Phone:	(510) 307-6192,

Affiliation Type Desc:	Operator
Entity Name:	Isael Cortez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CORTEZ TIRES AND AUTO REPAIR (Continued) **S121738472**

Affiliation Zip:	Not reported
Affiliation Phone:	(510) 417-2484,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Cortez Tires and Auto Repair
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Isael Cortez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	carlos valero
Entity Title:	Not reported
Affiliation Address:	4980 appian way suite 205
Affiliation City:	el sobrante
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94803
Affiliation Phone:	(510) 685-6002,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	730 san pablo AVE Bldg 2
Affiliation City:	pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

I47 **S&L BODY AND FRAME** **RCRA NonGen / NLR** **1024866312**
SW **730 SAN PABLO AVE BLDG 4 UNIT 1** **CAL000434896**
1/8-1/4 **PINOLE, CA 94564**
0.198 mi.
1046 ft. **Site 3 of 15 in cluster I**

Relative:
Higher

Actual:
92 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20180411
Handler Name:	S&L BODY AND FRAME	
Handler Address:		730 SAN PABLO AVE BLDG 4 UNIT 1
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAL000434896
Contact Name:		LORENZO CARRANZA JR
Contact Address:		730 SAN PABLO AVE BLDG 4 UNIT 1

S&L BODY AND FRAME (Continued) **1024866312**

Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-776-4407
Contact Fax:		Not reported
Contact Email:		PINOLEAUTOBODY@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		730 SAN PABLO AVE BLDG 4 UNIT 1
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	LORENZO CARRANZA JR	
Owner Type:		Other
Operator Name:	LORENZO CARRANZA JR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

S&L BODY AND FRAME (Continued) **1024866312**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LORENZO CARRANZA JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	730 SAN PABLO AVE BLDG 4 UNIT 1
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-776-4407
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: LORENZO CARRANZA JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1536 ESMOND AVE
Owner/Operator City,State,Zip:	RICHMOND, CA 94801
Owner/Operator Telephone:	510-776-4407
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180411
Handler Name: S&L BODY AND FRAME	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

S&L BODY AND FRAME (Continued) **1024866312**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I48 SW 1/8-1/4 0.198 mi. 1046 ft. **LETCHER BROS AUTO REPAIR** **RCRA NonGen / NLR** **1024833461**
730 SAN PABLO AVE BLDG 2 **CAL000372765**
PINOLE, CA 94564

Site 4 of 15 in cluster I

Relative: Higher
Actual: 92 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20120319
Handler Name:	LETCHER BROS AUTO REPAIR	
Handler Address:		730 SAN PABLO AVE BLDG 2
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAL000372765
Contact Name:		MIKE LETCHER
Contact Address:		636 SAN PABLO AVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-724-2335
Contact Fax:		510-724-5062
Contact Email:		LETCHERBROS@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		636 SAN PABLO AVE
Mailing City,State,Zip:		PINOLE, CA 94564-0000
Owner Name:	MICHAEL LETCHER	
Owner Type:		Other
Operator Name:	MIKE LETCHER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

LETCHER BROS AUTO REPAIR (Continued) **1024833461**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MICHAEL LETCHER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	636 SAN PABLO AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564-0000

LETCHER BROS AUTO REPAIR (Continued) **1024833461**

Owner/Operator Telephone: 510-684-7687
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MIKE LETCHER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 636 SAN PABLO AVE
Owner/Operator City,State,Zip: PINOLE, CA 94564
Owner/Operator Telephone: 510-724-2335
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120319
Handler Name: LETCHER BROS AUTO REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I49 **HOLLERAN'S FABRICATION & PERFORMANCE** **CONTRA COSTA CO. SITE LIST** **S105850333**
SW **730 SAN PABLO AVE 3** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.198 mi.
1046 ft. **Site 5 of 15 in cluster I**

Relative:
Higher

Actual:
92 ft.

CONTRA COSTA CO. SITE LIST:
Name: HOLLERAN'S FABRICATION & PERFORMANCE
Address: 730 SAN PABLO AVE 3
City: PINOLE
Facility ID: FA0029901
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR

HOLLERAN'S FABRICATION & PERFORMANCE (Continued) **S105850333**

Region: CONTRA COSTA
Cupa Number: 773231
CERS ID: 10017418

I50
SW
1/8-1/4
0.198 mi.
1046 ft.

S&L BODY AND FRAME **CERS HAZ WASTE** **S121785123**
730 SAN PABLO AVE BUILDING 4, UNIT 1 **N/A**
PINOLE, CA 94564

Site 6 of 15 in cluster I

Relative:
Higher

Actual:
92 ft.

CERS HAZ WASTE:
Name: S&L BODY AND FRAME
Address: 730 SAN PABLO AVE BUILDING 4, UNIT 1
City,State,Zip: PINOLE, CA 94564
Site ID: 435790
CERS ID: 10756204
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 435790
Site Name: S&L Body and Frame
Violation Date: 04-01-2019
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 04/08/2019. OBSERVATION: AS OF APRIL 1, 2019, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 435790
Site Name: S&L Body and Frame
Violation Date: 04-12-2021
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 04/14/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 435790
Site Name: S&L Body and Frame
Violation Date: 05-09-2018
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

S&L BODY AND FRAME (Continued) **S121785123**

Violation Notes: Returned to compliance on 08/09/2018. OBSERVATION: The used outgoing spray booth filters were observed without a proper disposal means and a proper waste determination has not been made. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the used spray booth filters has been properly characterized to determine if it is a hazardous waste or dispose of them as hazardous waste. If determined to be hazardous submit a manifest/receipt documenting proper disposal and a statement demonstrating how you will manage it in the future. In lieu of testing, you may dispose of them as hazardous waste locally at the HHW facility off of Pittsburg Ave in Richmond. (888) 412-9277. You must get an account with them and keep disposal receipts and records for no less than 3 years.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 435790
Site Name: S&L Body and Frame

S&L BODY AND FRAME (Continued) **S121785123**

Site Address:	730 SAN PABLO AVE BUILDING 4, UNIT 1
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-01-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	435790
Site Name:	S&L Body and Frame
Site Address:	730 SAN PABLO AVE BUILDING 4, UNIT 1
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-12-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	435790
Site Name:	S&L Body and Frame
Site Address:	730 SAN PABLO AVE BUILDING 4, UNIT 1
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-09-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Legal Owner
Entity Name:	Lorenzo Carranza Jr.
Entity Title:	Not reported
Affiliation Address:	1536 Esmond Ave
Affiliation City:	Richmond
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94801
Affiliation Phone:	(510) 776-4407,

S&L BODY AND FRAME (Continued) **S121785123**

Affiliation Type Desc:	Identification Signer
Entity Name:	Lorenzo Carranza
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Lorenzo Carranza Jr.
Entity Title:	Not reported
Affiliation Address:	1536 Esmond Ave
Affiliation City:	Richmond
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94801
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Lorenzo Carranza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	730 San Pablo Ave Bldg 4 Unit #1
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Lorenzo Carranza Jr.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 776-4407,

Affiliation Type Desc:	Parent Corporation
Entity Name:	S&L Body and Frame
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

S&L BODY AND FRAME (Continued) **S121785123**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	carlos valero
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	United States
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 685-6002,

I51 **S&L BODY AND FRAME** **CONTRA COSTA CO. SITE LIST** **S105850334**
SW **730 SAN PABLO AVE 1** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.198 mi.
1046 ft. **Site 7 of 15 in cluster I**

Relative:
Higher

Actual:
92 ft.

CONTRA COSTA CO. SITE LIST:

Name:	EA AUTO PERFORMANCE
Address:	730 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0040672
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	775934
CERS ID:	Not reported
Name:	S&L BODY AND FRAME
Address:	730 SAN PABLO AVE 1
City:	PINOLE
Facility ID:	FA0040673
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	775935
CERS ID:	10756204
Name:	CORTEZ TIRES AND AUTO REPAIR
Address:	730 SAN PABLO AVE 2
City:	PINOLE
Facility ID:	FA0029902
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773232
CERS ID:	10017421
Name:	CORTEZ TIRES AND AUTO REPAIR
Address:	730 SAN PABLO AVE 2
City:	PINOLE
Facility ID:	FA0029902

S&L BODY AND FRAME (Continued) **S105850334**

Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: 5 - <12 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	773232
CERS ID:	10017421

52
SSE
1/8-1/4
0.207 mi.
1094 ft.

CHRISTINA LOK
942 PATRICK DRIVE
PINOLE, CA 94564

RCRA NonGen / NLR **1027085897**
CAC003158192

Relative:
Higher

Actual:
119 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20220124
Handler Name:	CHRISTINA LOK	
Handler Address:		942 PATRICK DRIVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAC003158192
Contact Name:		CHRISTINA LOK
Contact Address:		942 PATRICK DRIVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		916-595-4249
Contact Fax:		Not reported
Contact Email:		ENVSCHEDULING@SYNERGYCOMPANIES.ORG
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		942 PATRICK DRIVE
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	CHRISTINA LOK	
Owner Type:		Other
Operator Name:	CHRISTINA LOK	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

CHRISTINA LOK (Continued) **1027085897**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220124
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHRISTINA LOK	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	942 PATRICK DRIVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	916-595-4249
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINA LOK	
Legal Status:	Other
Date Became Current:	Not reported

CHRISTINA LOK (Continued) **1027085897**

Date Ended Current:	Not reported
Owner/Operator Address:	942 PATRICK DRIVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	916-595-4249
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220124
Handler Name: CHRISTINA LOK	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J53 **SMART STOP** **UST** **U003784314**
SSE **1007 SAN PABLO AVE** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.219 mi.
1154 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
122 ft.

UST:

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Facility ID:	07-000-770151
Permitting Agency:	Contra Costa County Health Services Department
CERSID:	10008640
Latitude:	38.004192
Longitude:	-122.304466

J54	**FOOD & LIQUOR**	**LUST**	**S102430080**
SSE	**1007 SAN PABLO AVE**	**CERS HAZ WASTE**	**N/A**
1/8-1/4	**PINOLE, CA 94564**	**SWEEPS UST**	
0.219 mi.		**CERS TANKS**	
1154 ft.	**Site 2 of 2 in cluster J**	**Cortese**	
Relative:		**EMI**	
Higher		**ENF**	
		HIST CORTESE	
Actual:		**CONTRA COSTA CO. SITE LIST**	
122 ft.		**CERS**	

LUST:

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300134
Global Id:	T0601300134
Latitude:	38.005261
Longitude:	-122.304134
Status:	Completed - Case Closed
Status Date:	11/15/2007
Case Worker:	MYM
RB Case Number:	07-0144
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	70151
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300134
Contact Type:	Regional Board Caseworker
Contact Name:	MARTIN MUSONGE
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET
City:	OAKLAND
Email:	martin.musonge@waterboards.ca.gov
Phone Number:	Not reported
Global Id:	T0601300134
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300134
Action Type:	ENFORCEMENT
Date:	02/16/2001
Action:	Staff Letter
Global Id:	T0601300134
Action Type:	Other

FOOD & LIQUOR (Continued) **S102430080**

Date: 10/17/1988
Action: Leak Discovery

Global Id: T0601300134
Action Type: RESPONSE
Date: 07/03/2002
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/06/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/05/2003
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/04/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/03/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/02/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/01/2003
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/30/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/29/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/28/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/27/2003
Action: Monitoring Report - Quarterly

FOOD & LIQUOR (Continued) **S102430080**

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/26/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 03/19/2002
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 03/07/2002
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 07/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 02/25/2002
Action: * Historical Enforcement

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 10/12/2001
Action: Staff Letter

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 02/25/2002
Action: Staff Letter

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 05/02/2001
Action: * Historical Enforcement

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 03/07/2002
Action: Staff Letter

Global Id: T0601300134
Action Type: Other

FOOD & LIQUOR (Continued) **S102430080**

Date: 11/16/1988
Action: Leak Reported

Global Id: T0601300134
Action Type: RESPONSE
Date: 04/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 10/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 03/25/2002
Action: Staff Letter

Global Id: T0601300134
Action Type: Other
Date: 10/17/1988
Action: Leak Stopped

Global Id: T0601300134
Action Type: RESPONSE
Date: 01/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 10/31/2004
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 01/31/2005
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 07/31/2004
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 12/24/2004
Action: Well Installation Report

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/03/2016
Action: Unauthorized Release Form

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 04/15/2004
Action: Site Visit / Inspection / Sampling

FOOD & LIQUOR (Continued) **S102430080**

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 11/22/2004
Action: Staff Letter

Global Id: T0601300134
Action Type: ENFORCEMENT
Date: 09/07/2004
Action: Staff Letter

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/11/2003
Action: Other Report / Document

Global Id: T0601300134
Action Type: RESPONSE
Date: 06/10/2003
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 04/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0601300134
Action Type: RESPONSE
Date: 05/21/2003
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0601300134
Status: Open - Case Begin Date
Status Date: 10/17/1988

Global Id: T0601300134
Status: Open - Site Assessment
Status Date: 01/08/1989

Global Id: T0601300134
Status: Open - Site Assessment
Status Date: 12/04/1990

Global Id: T0601300134
Status: Open - Verification Monitoring
Status Date: 06/10/2003

Global Id: T0601300134
Status: Completed - Case Closed
Status Date: 11/15/2007

LUST REG 2:
Region: 2
Facility Id: 07-0144
Facility Status: Post remedial action monitoring

FOOD & LIQUOR (Continued) **S102430080**

Case Number: 70151
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/8/1989
Pollution Characterization Began: 12/4/1990
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 6/10/2003

CERS HAZ WASTE:
Name: SMART STOP
Address: 1007 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 68505
CERS ID: 10008640
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: FOOD & LIQUOR # 32
Address: 1007 SAN PABLO AVE
City: PINOLE
Status: Active
Comp Number: 70151
Number: 9
Board Of Equalization: 44-002222
Referral Date: 06-20-88
Action Date: Not reported
Created Date: 07-22-88
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-070151-000001
Tank Status: A
Capacity: 10000
Active Date: 06-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: FOOD & LIQUOR # 32
Address: 1007 SAN PABLO AVE
City: PINOLE
Status: Active
Comp Number: 70151
Number: 9
Board Of Equalization: 44-002222
Referral Date: 06-20-88
Action Date: Not reported
Created Date: 07-22-88
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-070151-000002
Tank Status: A
Capacity: 10000

FOOD & LIQUOR (Continued) **S102430080**

Active Date:	06-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CERS TANKS:

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	68505
CERS ID:	10008640
CERS Description:	Underground Storage Tank

CORTESE:

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300134
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2017
County Code:	7
Air Basin:	SF
Facility ID:	111872
Air District Name:	BA
SIC Code:	5411
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.151316571
Reactive Organic Gases Tons/Yr:	0.151316571
Carbon Monoxide Emissions Tons/Yr:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	111872
Air District Name:	BA
SIC Code:	5541
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.224773207
Reactive Organic Gases Tons/Yr:	0.224773207
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2019
County Code:	7
Air Basin:	SF
Facility ID:	111872
Air District Name:	BA
SIC Code:	5541
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.224773207
Reactive Organic Gases Tons/Yr:	0.224773207
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

ENF:

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	226082
Agency Name:	Customer Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1

FOOD & LIQUOR (Continued) **S102430080**

Place Latitude:	38.004485
Place Longitude:	-122.304708
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0144
Reg Measure Id:	168362
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240228
Region:	2

FOOD & LIQUOR (Continued) **S102430080**

Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	02/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0144
Description:	Approval of Soil Boring Sampling Report and CAP contained within it. This letter requests submittal of workplan on the proposed ORC installation.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	226082
Agency Name:	Customer Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.004485
Place Longitude:	-122.304708
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0144
Reg Measure Id:	168362
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240026
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	03/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07-0144
Description:	ORC installation approval and GWMR request
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

FOOD & LIQUOR (Continued) **S102430080**

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	226082
Agency Name:	Customer Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.004485
Place Longitude:	-122.304708
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0144
Reg Measure Id:	168362
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237752
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/12/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0144
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	2/13/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	226082
Agency Name:	Customer Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.004485
Place Longitude:	-122.304708
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0144
Reg Measure Id:	168362
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236333
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/03/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0144
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	FOOD & LIQUOR
Address:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	2
Facility Id:	226082
Agency Name:	Customer Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.004485
Place Longitude:	-122.304708
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0144
Reg Measure Id:	168362
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236228
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	02/16/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0144
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	FOOD & LIQUOR
edr_fadd1:	1007 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0144

CONTRA COSTA CO. SITE LIST:

Name:	SMART STOP
Address:	1007 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0032705

FOOD & LIQUOR (Continued) **S102430080**

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 770151
CERS ID: 10008640

Name: SMART STOP
Address: 1007 SAN PABLO AVE
City: PINOLE
Facility ID: FA0032705
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 770151
CERS ID: 10008640

Name: SMART STOP
Address: 1007 SAN PABLO AVE
City: PINOLE
Facility ID: FA0032705
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 770151
CERS ID: 10008640

Name: SMART STOP
Address: 1007 SAN PABLO AVE
City: PINOLE
Facility ID: FA0032705
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 770151
CERS ID: 10008640

Name: SMART STOP
Address: 1007 SAN PABLO AVE
City: PINOLE
Facility ID: FA0032705
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 770151
CERS ID: 10008640

CERS:
Name: SMART STOP
Address: 1007 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 68505
CERS ID: 10008640

FOOD & LIQUOR (Continued) **S102430080**

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 68505
Site Name: SMART STOP
Violation Date: 02-28-2020
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 02/08/2021. OBSERVATION: Owner/Operator did not submit the Monitoring System Certification Form to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the Monitoring System Certification to the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-31-2018
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Documented D.O. employee training within the last 12 months unavailable at time of inspection. The last D.O. training logs located on site at time of inspection were documented in 2017. CORRECTIVE ACTION: Conduct D.O. employee training, and provide CCHS-HMP documentation of the training.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 01-26-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/28/2018. OBSERVATION: The business failed to complete and electronically submit all chemical inventory information for the listed 'Gasoline' inventory. The 'Gasoline' inventory was found missing the following required information: Chemical Location, Average Daily Amount, Largest Container (10,000 gallons), Storage Pressure (ambient), Storage Temperature (ambient) and Federal Hazardous Categories under 'Chemical Hazard Classification'. CCHS-HMP provided the facility contact an email detailing the needed chemical inventory changes. CORRECTIVE ACTION: Correct and electronically resubmit the 'Gasoline' chemical inventory information in CERS.
Violation Division: Contra Costa County Health Services Department

FOOD & LIQUOR (Continued) **S102430080**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-19-2014
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 12/19/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-31-2018
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/03/2019. OBSERVATION: The 87-Regular tank annular 420 sensor failed to go into alarm during the annual monitoring system certification. CORRECTIVE ACTION: Replace the annular 420 sensor, and test the new sensor for functionality/alarm. Provide documentation of the replacement and retest to CCHS-HMP.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-18-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/03/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-19-2014
Citation: Un-Specified
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes: Returned to compliance on 12/19/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-31-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

FOOD & LIQUOR (Continued) **S102430080**

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 02/03/2019. OBSERVATION: Owner/Operator failed to have an overfill prevention equipment inspection conducted on or before 10/1/18. A test of the automatic tank gauges for Audbile/Visual alarm at 90% were conducted at time of inspection. CORRECTIVE ACTION: Submit a completed 'Overfill Prevention Equipment Inspection Report Form' verifying the proper functioning of the overfill prevention equipment to CCHS-HMP.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 12-18-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 06/03/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 09-10-2021
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.

FOOD & LIQUOR (Continued) **S102430080**

Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 12/28/2021. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Spill bucket failed testing 12/2020 CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verify compliance. Maintain all testing records for 36 months.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 09-10-2021
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 11/22/2021. OBSERVATION: The [2019] secondary containment test results indicate a failure at the [87 product pipe secondary]. All secondary containment for the UST system must be tight. CORRECTIVE ACTION: Immediately have a properly licensed, trained, and certified contractor repair or replace the failed component(s) under permit and inspection of the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Violation Date: 04-12-2021
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/20/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) UNDERGROUND STORAGE TANK (UST) SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT A COMPLETE/CORRECT UST SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

FOOD & LIQUOR (Continued) **S102430080**

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	03-08-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	06-16-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	06-16-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-18-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-31-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-12-2021

FOOD & LIQUOR (Continued) **S102430080**

Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-28-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

FOOD & LIQUOR (Continued) **S102430080**

Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

FOOD & LIQUOR (Continued) **S102430080**

Eval General Type: Other/Unknown
Eval Date: 09-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 68505
Site Name: SMART STOP

FOOD & LIQUOR (Continued) **S102430080**

Site Address:	1007 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	01-26-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	68505
Site Name:	SMART STOP
Site Address:	1007 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-28-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	68505
Site Name:	SMART STOP
Site Address:	1007 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-12-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	68505
Site Name:	SMART STOP
Site Address:	1007 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	09-10-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	68505
Site Name:	SMART STOP
Site Address:	1007 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-18-2015
Enf Action Type:	Notice of Violation (Unified Program)

FOOD & LIQUOR (Continued) **S102430080**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Site Address: 1007 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 12-18-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Site Address: 1007 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 12-19-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 68505
Site Name: SMART STOP
Site Address: 1007 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 12-31-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 68505
Facility Name: SMART STOP
Env Int Type Code: HWG
Program ID: 10008640
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.004189
Longitude: -122.304451

Affiliation:

FOOD & LIQUOR (Continued) **S102430080**

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Document Preparer
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Abraham Alex
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	SMART STOP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	1007 San Pablo Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-8527,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	1007 San Pablo Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States

FOOD & LIQUOR (Continued) **S102430080**

Affiliation Zip:	94564
Affiliation Phone:	(510) 724-8527,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1007 san pablo ave
Affiliation City:	pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	1007 san pablo ave
Affiliation City:	pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-8527,
Affiliation Type Desc:	Operator
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 724-8527,
Affiliation Type Desc:	Property Owner
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	1007 san pablo ave
Affiliation City:	pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-8527,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Abraham Alex
Entity Title:	Not reported
Affiliation Address:	1007 san pablo ave
Affiliation City:	pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Abraham Alex
Entity Title:	President
Affiliation Address:	Not reported

FOOD & LIQUOR (Continued) **S102430080**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 724-8527,

Affiliation Type Desc: UST Tank Owner
Entity Name: Abraham Alex
Entity Title: Not reported
Affiliation Address: 1007 San Pablo Ave
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94564
Affiliation Phone: (510) 724-8527,

Name: FOOD & LIQUOR
Address: 1007 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 220000
CERS ID: T0601300134
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

I55 **HOLLERAN'S PERFORMANCE** **CONTRA COSTA CO. SITE LIST** **S102261557**
SW **720 SAN PABLO AVE F** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.221 mi.
1169 ft. **Site 8 of 15 in cluster I**

Relative:
Higher

Actual:
93 ft.

CONTRA COSTA CO. SITE LIST:
Name: HOLLERAN'S PERFORMANCE
Address: 720 SAN PABLO AVE F
City: PINOLE
Facility ID: FA0028610
Billing Status: INACTIVE, NON-BILLABLE

HOLLERAN'S PERFORMANCE (Continued) **S102261557**

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: LESS THAN 1000 LBS
Region: CONTRA COSTA
Cupa Number: 771874
CERS ID: 10013545

Name: HOLLERAN'S PERFORMANCE
Address: 720 SAN PABLO AVE F
City: PINOLE
Facility ID: FA0028610
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 771874
CERS ID: 10013545

I56 **DREAM'S AUTO COLLISION CENTER** **CONTRA COSTA CO. SITE LIST** **1005288359**
SW **720 SAN PABLO AVE D** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.221 mi.
1169 ft. **Site 9 of 15 in cluster I**

Relative:
Higher
Actual:
93 ft.

CONTRA COSTA CO. SITE LIST:
Name: DREAM'S AUTO COLLISION CENTER
Address: 720 SAN PABLO AVE D
City: PINOLE
Facility ID: FA0028959
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772254
CERS ID: 10014592

I57 **DAVE'S AUTO REPAIR** **CONTRA COSTA CO. SITE LIST** **S102261556**
SW **720 SAN PABLO AVE A** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.221 mi.
1169 ft. **Site 10 of 15 in cluster I**

Relative:
Higher
Actual:
93 ft.

CONTRA COSTA CO. SITE LIST:
Name: DAVE'S AUTO REPAIR
Address: 720 SAN PABLO AVE A
City: PINOLE
Facility ID: FA0028767
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772049
CERS ID: 10014016

Name: DAVE'S AUTO REPAIR
Address: 720 SAN PABLO AVE A
City: PINOLE

DAVE'S AUTO REPAIR (Continued) **S102261556**

Facility ID:	FA0028767
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772049
CERS ID:	10014016

I58
SW
1/8-1/4
0.221 mi.
1169 ft.

DREAM'S AUTO COLLISION CENTER
720 SAN PABLO AVE #D
PINOLE, CA 94564

CERS HAZ WASTE **S113082069**
HAZNET **N/A**
HWTS

Site 11 of 15 in cluster I

Relative:
Higher

Actual:
93 ft.

CERS HAZ WASTE:

Name:	DREAM'S AUTO COLLISION CENTER
Address:	720 SAN PABLO AVE #D
City,State,Zip:	PINOLE, CA 94564
Site ID:	26480
CERS ID:	10014592
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	26480
Site Name:	DREAM'S AUTO COLLISION CENTER
Violation Date:	09-17-2014
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/16/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	09-17-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-07-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Enforcement Action:

Site ID:	26480
Site Name:	DREAM'S AUTO COLLISION CENTER
Site Address:	720 SAN PABLO AVE #D
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	09-17-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	RICKY HAI GIANG
Entity Title:	Not reported
Affiliation Address:	720 San Pablo Ave #D
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	RICKY GIANG
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	DREAM'S AUTO COLLISION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	John and Nancy Don Konics
Entity Title:	Not reported
Affiliation Address:	926 Deer Creek Dr
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	United States

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Affiliation Zip: 94553
Affiliation Phone: (925) 370-9337,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer
Entity Name: CIERA KHUU
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 720 San Pablo Ave #D
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94564
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: DREAM'S AUTO COLLISION CENTER
Entity Title: Not reported
Affiliation Address: 720 San Pablo Ave #D
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94564
Affiliation Phone: (510) 741-1661,

Affiliation Type Desc: Operator
Entity Name: RICKY GIANG
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 409-2696,

HAZNET:
Name: DAVE'S AUTO REPAIR
Address: 720 SAN PABLO AVE

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Contact:	DAVE WICKMAN/OWNER
Telephone:	5107241090
Mailing Name:	Not reported
Mailing Address:	720 SAN PABLO AVE STE A
Year:	1999
Gepaid:	CAL000148950
TSD EPA ID:	CAD982446874
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.462
Year:	1999
Gepaid:	CAL000148950
TSD EPA ID:	CAD982446874
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.189
Year:	1998
Gepaid:	CAL000148950
TSD EPA ID:	CAD980887418
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.462
Year:	1997
Gepaid:	CAL000148950
TSD EPA ID:	CAD980887418
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.231
Year:	1996
Gepaid:	CAL000148950
TSD EPA ID:	CAD980887418
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.462

Additional Info:

Year:	1998
Gen EPA ID:	CAL000148950
Shipment Date:	19980917
Creation Date:	11/23/1998 0:00:00
Receipt Date:	19980917
Manifest ID:	97414677
Trans EPA ID:	CAD982413262

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980107
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980107
Manifest ID:	97207536
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980887418
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000148950

Shipment Date:	19961031
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961031
Manifest ID:	96178051
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960702
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960702
Manifest ID:	96236137
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960110
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960110
Manifest ID:	95600316
Trans EPA ID:	CAD980695761
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980887418
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000148950
Shipment Date:	19991112
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991112
Manifest ID:	99474377
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982446874
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990527
Creation Date:	8/16/1999 0:00:00
Receipt Date:	19990527
Manifest ID:	98532240
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982446874
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

Shipment Date:	19990209
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990312
Manifest ID:	98648584
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446874
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982446874
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL000148950

Shipment Date:	19970722
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970722
Manifest ID:	95335645
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DAVE'S AUTO REPAIR
Address:	720 SAN PABLO AVE
Address 2:	Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **S113082069**

City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000148950
Inactive Date:	09/27/2004
Create Date:	03/20/1995
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	720 SAN PABLO AVE STE A
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 945640000
Owner Name:	DAVE WICKMAN
Owner Address:	720 A SAN PABLO AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	PINOLE, CA 945640000
Contact Name:	DAVE WICKMAN/OWNER
Contact Address:	720 SAN PABLO AVE STE A
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.004754
Longitude:	-122.311126

NAICS:

EPA ID:	CAL000148950
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1995-03-20 00:00:00
Inactive Date:	2004-09-27 00:00:00
Facility Name:	DAVE'S AUTO REPAIR
Facility Address:	720 SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

I59 **DAVE'S AUTO REPAIR** **RCRA NonGen / NLR** **1025866993**
SW **720A SAN PABLO AVE** **CAL000286772**
1/8-1/4 **PINOLE, CA 94564**
0.221 mi.
1169 ft. **Site 12 of 15 in cluster I**

Relative:
Higher

Actual:
93 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20040927
Handler Name:	DAVE'S AUTO REPAIR	
Handler Address:		720A SAN PABLO AVE
Handler City,State,Zip:		PINOLE, CA 94564-2632
EPA ID:		CAL000286772
Contact Name:		MARY BURNS
Contact Address:		720 SAN PABLO AVE STE A
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-724-1090
Contact Fax:		510-724-1091
Contact Email:		DAVESAUTO720@SBCGLOBAL.NET
Contact Title:		Not reported

DAVE'S AUTO REPAIR (Continued) **1025866993**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	720 SAN PABLO AVE STE A
Mailing City,State,Zip:	PINOLE, CA 94564-2632
Owner Name:	MARY E BURNS & SUSAN BRINKLEY
Owner Type:	Other
Operator Name:	MARY BURNS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

DAVE'S AUTO REPAIR (Continued) **1025866993**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MARY E BURNS & SUSAN BRINKLEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	720 SAN PABLO AVE STE A
Owner/Operator City,State,Zip:	PINOLE, CA 94564-2632
Owner/Operator Telephone:	510-724-1090
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARY BURNS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	720 SAN PABLO AVE STE A
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-1090
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20040927
Handler Name: DAVE'S AUTO REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811111

DAVE'S AUTO REPAIR (Continued) **1025866993**

NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I60 SW 1/8-1/4 0.221 mi. 1169 ft. **DAVE'S AUTO REPAIR** **CERS HAZ WASTE** **S121738872**
720 SAN PABLO AVE SUITE A **CERS** **N/A**
PINOLE, CA 94564

Site 13 of 15 in cluster I

Relative: Higher
Actual: 93 ft.

CERS HAZ WASTE:
Name: DAVE'S AUTO REPAIR
Address: 720 SAN PABLO AVE SUITE A
City,State,Zip: PINOLE, CA 94564
Site ID: 110308
CERS ID: 10014016
CERS Description: Hazardous Waste Generator

CERS:
Name: DAVE'S AUTO REPAIR
Address: 720 SAN PABLO AVE SUITE A
City,State,Zip: PINOLE, CA 94564
Site ID: 110308
CERS ID: 10014016
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 09-17-2014
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/16/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 06-24-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/16/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 09-17-2014

DAVE'S AUTO REPAIR (Continued) **S121738872**

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/16/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/16/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 05-09-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 08/09/2018. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Violation Date: 05-09-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/09/2018. OBSERVATION: The used antifreeze is reported to have a maximum daily amount of only 12 gallons stored at any one time. There was a 55 gallon drum of antifreeze on-site. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for used antifreeze with a new amount.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection

DAVE'S AUTO REPAIR (Continued) **S121738872**

Eval Date:	05-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-09-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	06-24-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	09-17-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	06-24-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency

DAVE'S AUTO REPAIR (Continued) **S121738872**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-17-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Site Address: 720 SAN PABLO AVE SUITE A
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 05-09-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Site Address: 720 SAN PABLO AVE SUITE A
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP

DAVE'S AUTO REPAIR (Continued) **S121738872**

Enf Action Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Site Address: 720 SAN PABLO AVE SUITE A
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Site Address: 720 SAN PABLO AVE SUITE A
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 09-17-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 110308
Site Name: DAVE'S AUTO REPAIR
Site Address: 720 SAN PABLO AVE SUITE A
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 09-17-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer
Entity Name: MARY BURNS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

DAVE'S AUTO REPAIR (Continued) **S121738872**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	MARY BURNS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 724-1090,

Affiliation Type Desc:	Parent Corporation
Entity Name:	DAVE'S AUTO REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	MARY BURNS
Entity Title:	Not reported
Affiliation Address:	720 SAN PABLO AVE #A
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	720 San Pablo Ave SUITE A
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	MARY BURNS
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	MARY BURNS

DAVE'S AUTO REPAIR (Continued) **S121738872**

Entity Title:	Not reported
Affiliation Address:	720 San Pablo Ave SUITE A
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-1090,

I61 SW 1/8-1/4 0.221 mi. 1169 ft. **DREAM'S AUTO COLLISION CENTER** **RCRA NonGen / NLR** **1024812382**
720 SAN PABLO AVE STE D **CAL000299546**
PINOLE, CA 94564

Site 14 of 15 in cluster I

Relative: Higher

Actual: 93 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20051014
Handler Name:	DREAM'S AUTO COLLISION CENTER	
Handler Address:		720 SAN PABLO AVE STE D
Handler City,State,Zip:		PINOLE, CA 94564-2632
EPA ID:		CAL000299546
Contact Name:		RICKY GIANG
Contact Address:		720 SAN PABLO AVE #D
Contact City,State,Zip:		PINOLE, CA 94564-0000
Contact Telephone:		510-741-1661
Contact Fax:		510-741-1663
Contact Email:		DREAMSCOLLISION@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		720 SAN PABLO AVE STE D
Mailing City,State,Zip:		PINOLE, CA 94564-2632
Owner Name:	RICKY GIANG	
Owner Type:		Other
Operator Name:	RICKY GIANG	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported

DREAM'S AUTO COLLISION CENTER (Continued) **1024812382**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RICKY GIANG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	720 SAN PABLO AVE #D
Owner/Operator City,State,Zip:	PINOLE, CA 94564-0000
Owner/Operator Telephone:	510-741-1661
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: RICKY GIANG	

DREAM'S AUTO COLLISION CENTER (Continued) **1024812382**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7 CHERRYWOOD CT
Owner/Operator City,State,Zip:	SAN PABLO, CA 94806-0000
Owner/Operator Telephone:	510-409-2696
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20051014
Handler Name:	DREAM'S AUTO COLLISION CENTER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I62 **DAVE'S AUTO REPAIR** **HAZNET** **S103670322**
SW **720A SAN PABLO AVE** **CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **PINOLE, CA 94564** **HWTS**
0.221 mi.
1169 ft. **Site 15 of 15 in cluster I**

Relative:
Higher

Actual:
93 ft.

HAZNET:

Name:	DAVE'S AUTO REPAIR
Address:	720A SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945642632
Contact:	MARY BURNS
Telephone:	5107241090
Mailing Name:	Not reported
Mailing Address:	720 SAN PABLO AVE STE A
Year:	2018
Gepaid:	CAL000286772
TSD EPA ID:	ILR000130062
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-

DAVE'S AUTO REPAIR (Continued) **S103670322**

Tons: 0.00000

Year: 2017
Gepaid: CAL000286772
TSD EPA ID: UTD981552177
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.2085

Year: 2010
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0417

Year: 2010
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1668

Year: 2010
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: -
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03

Year: 2007
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1251

Year: 2007
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.1251

Year: 2006
Gepaid: CAL000286772
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10425

DAVE'S AUTO REPAIR (Continued) **S103670322**

Year:	2004
Gepaid:	CAL000286772
TSD EPA ID:	NVD980895338
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.114

Additional Info:

Year:	2017
Gen EPA ID:	CAL000286772
Shipment Date:	20170105
Creation Date:	5/11/2018 18:34:48
Receipt Date:	20170203
Manifest ID:	003265551GBF
Trans EPA ID:	CAR000162636
Trans Name:	ABE ARENS BROTHERS ENVIRONMENTAL INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL INC
TSDF EPA ID:	UTD981552177
Trans Name:	ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	D039
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D018
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D006
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000286772
Shipment Date:	20041210
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20050103
Manifest ID:	23799869
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORATION & REMEDIATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTRURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.114

DAVE'S AUTO REPAIR (Continued) **S103670322**

Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000286772
Shipment Date:	20101008
Creation Date:	1/3/2011 18:30:09
Receipt Date:	20101011
Manifest ID:	005764298JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101008
Creation Date:	1/3/2011 18:30:09
Receipt Date:	20101011
Manifest ID:	005764298JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported

DAVE'S AUTO REPAIR (Continued) **S103670322**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100316
Creation Date:	5/27/2010 18:31:08
Receipt Date:	20100316
Manifest ID:	005765241JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000286772
Shipment Date:	20071114
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20071114
Manifest ID:	002587378JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DAVE'S AUTO REPAIR (Continued) **S103670322**

Additional Code 5:	Not reported
Shipment Date:	20070913
Creation Date:	12/28/2007 18:30:46
Receipt Date:	20070921
Manifest ID:	003308583JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000286772
Shipment Date:	20060928
Creation Date:	4/19/2007 18:31:07
Receipt Date:	20060928
Manifest ID:	000900226JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DAVE'S AUTO REPAIR (Continued) **S103670322**

CONTRA COSTA CO. SITE LIST:

Name:	T-MOBILE WEST CORP/BA01316A
Address:	720 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0030791
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	774012
CERS ID:	Not reported

HWTS:

Name:	DAVE'S AUTO REPAIR
Address:	720A SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000286772
Inactive Date:	Not reported
Create Date:	09/27/2004
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	720 SAN PABLO AVE STE A
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 945642632
Owner Name:	MARY E BURNS & SUSAN BRINKLEY
Owner Address:	720 SAN PABLO AVE STE A
Owner Address 2:	Not reported
Owner City,State,Zip:	PINOLE, CA 945642632
Contact Name:	MARY BURNS
Contact Address:	720 SAN PABLO AVE STE A
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.004718
Longitude:	-122.311217

NAICS:

EPA ID:	CAL000286772
Create Date:	2004-09-27 09:20:54.613
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2004-09-27 09:20:54.58300
Inactive Date:	Not reported
Facility Name:	DAVE'S AUTO REPAIR
Facility Address:	720A SAN PABLO AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945642632

K63 WSW 1/8-1/4 0.249 mi. 1313 ft. | **WESTERN CONTRA COSTA TRANSIT AUTHORITY**
601 WALTER AVE
PINOLE, CA 94564 | **RCRA NonGen / NLR** | **1024788989**
CAL000057124

Site 1 of 6 in cluster K

Relative: Lower
Actual: 73 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	19940902
Handler Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Handler Address:	601 WALTER AVE
Handler City,State,Zip:	PINOLE, CA 94564-0000
EPA ID:	CAL000057124
Contact Name:	CHARLES ANDERSON/MICA MCFADDEN
Contact Address:	601 WALTER AVE
Contact City,State,Zip:	PINOLE, CA 94564
Contact Telephone:	510-724-3331
Contact Fax:	000-000-0000
Contact Email:	CHARLIE@WESTCAT.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	601 WALTER AVE
Mailing City,State,Zip:	PINOLE, CA 94564-0000
Owner Name:	WESTERN CONTRA COSTA TRANSIT
Owner Type:	Other
Operator Name:	CHARLES ANDERSON/MICA MCFADDEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **1024788989**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WESTERN CONTRA COSTA TRANSIT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	601 WALTER AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564-2659
Owner/Operator Telephone:	510-724-3331
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHARLES ANDERSON/MICA MCFADDEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	601 WALTER AVE
Owner/Operator City,State,Zip:	PINOLE, CA 94564
Owner/Operator Telephone:	510-724-3331
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **1024788989**

Historic Generators:

Receive Date:	19940902
Handler Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4853
NAICS Description:	TAXI AND LIMOUSINE SERVICE
NAICS Code:	48532
NAICS Description:	LIMOUSINE SERVICE
NAICS Code:	48541
NAICS Description:	SCHOOL AND EMPLOYEE BUS TRANSPORTATION
NAICS Code:	485991
NAICS Description:	SPECIAL NEEDS TRANSPORTATION
NAICS Code:	485999
NAICS Description:	ALL OTHER TRANSIT AND GROUND PASSENGER TRANSPORTATION
NAICS Code:	48711
NAICS Description:	SCENIC AND SIGHTSEEING TRANSPORTATION, LAND
NAICS Code:	62191
NAICS Description:	AMBULANCE SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K64 **WESTERN CONTRA COSTA TRANSIT AUTHORITY** **LUST** **S103666425**
WSW **601 WALTER AVE** **EMI** **N/A**
1/8-1/4 **PINOLE, CA 94564** **HIST CORTESE**
0.249 mi. **NPDES**
1313 ft. **Site 2 of 6 in cluster K** **CONTRA COSTA CO. SITE LIST**
CIWQS
Relative: **CERS**
Lower
Actual: LUST:
73 ft.

Name:	WCCCTA BUS OPERATION MAINT
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300514
Global Id:	T0601300514
Latitude:	38.005863
Longitude:	-122.311827
Status:	Completed - Case Closed
Status Date:	07/31/1997
Case Worker:	Not reported
RB Case Number:	07-0557
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	71284
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300514
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300514
Action Type:	Other
Date:	07/24/1991
Action:	Leak Discovery
Global Id:	T0601300514
Action Type:	ENFORCEMENT
Date:	07/26/1997
Action:	Closure/No Further Action Letter - #07-0557
Global Id:	T0601300514
Action Type:	Other
Date:	07/24/1991
Action:	Leak Reported
Global Id:	T0601300514
Action Type:	Other
Date:	07/24/1991
Action:	Leak Stopped
Global Id:	T0601300514
Action Type:	RESPONSE
Date:	05/11/1998
Action:	Tank Removal Report / UST Sampling Report

LUST:

Global Id:	T0601300514
Status:	Open - Case Begin Date
Status Date:	07/24/1991

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Global Id:	T0601300514
Status:	Open - Site Assessment
Status Date:	07/11/1994

Global Id:	T0601300514
Status:	Completed - Case Closed
Status Date:	07/31/1997

EMI:

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2017
County Code:	7
Air Basin:	SF
Facility ID:	108694
Air District Name:	BA
SIC Code:	5411
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.010614544
Reactive Organic Gases Tons/Yr:	0.010614544
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	108694
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.010614544
Reactive Organic Gases Tons/Yr:	0.010614544
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Year:	2019
County Code:	7
Air Basin:	SF
Facility ID:	108694

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.010614544
Reactive Organic Gases Tons/Yr:	0.010614544
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HIST CORTESE:

edr_fname:	WCCCTA BUS OPERATION MAIN
edr_fadd1:	601 WALTER
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0557

NPDES:

Name:	WESTERN CONTRA COSTA TRANSIT
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	181777
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 07I000432
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	601 Walter Ave
Discharge Name:	Western Contra Costa Transit
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Region:	2
Regulatory Measure ID:	181777
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 07I000432
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	3
Place Size Unit:	Acres
Contact:	Charles Anderson
Contact Title:	General MAnager
Contact Phone:	5107243331
Contact Phone Ext:	Not reported
Contact Email:	charlie@westcat.org
Operator Name:	Western Contra Costa Transit
Operator Address:	601 Walter Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564
Operator Contact:	Charles Anderson
Operator Contact Title:	General Manager
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	charlie@westcat.org
Operator Type:	Other
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-724-3331
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pablo Bay
Certifier:	Charles Anderson
Certifier Title:	General Manager
Certification Date:	14-MAY-15
Primary Sic:	4131-Intercity and Rural Bus Transportation
Secondary Sic:	4173-Terminal and Service Facilities for Motor Vehicle Passenger Transportation
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181777
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I000432
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Western Contra Costa Transit
Discharge Address:	601 Walter Ave
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	WESTERN CONTRA COSTA TRANSIT
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 07I000432
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/13/1992
Operator Name:	Western Contra Costa Transit
Operator Address:	601 Walter Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	181777
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 07I000432
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	3
Place Size Unit:	Acres
Contact:	Charles Anderson
Contact Title:	General MAnager
Contact Phone:	5107243331
Contact Phone Ext:	Not reported
Contact Email:	charlie@westcat.org
Operator Name:	Western Contra Costa Transit
Operator Address:	601 Walter Ave
Operator City:	Pinole
Operator State:	California
Operator Zip:	94564
Operator Contact:	Charles Anderson
Operator Contact Title:	General Manager
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	charlie@westcat.org
Operator Type:	Other
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-724-3331
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pablo Bay
Certifier:	Charles Anderson
Certifier Title:	General Manager
Certification Date:	14-MAY-15
Primary Sic:	4131-Intercity and Rural Bus Transportation
Secondary Sic:	4173-Terminal and Service Facilities for Motor Vehicle Passenger Transportation
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181777
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I000432
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Western Contra Costa Transit
Discharge Address:	601 Walter Ave
Discharge City:	Pinole
Discharge State:	California
Discharge Zip:	94564
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City:	PINOLE
Facility ID:	FA0028054
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Program/Elements: HMBP: >100K-250K LBS, 20+ EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 771284
CERS ID: 10011877

Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address: 601 WALTER AVE
City: PINOLE
Facility ID: FA0028054
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: 5 - <12 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 771284
CERS ID: 10011877

Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address: 601 WALTER AVE
City: PINOLE
Facility ID: FA0028054
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 771284
CERS ID: 10011877

CIWQS:
Name: WESTERN CONTRA COSTA TRANSIT
Address: 601 WALTER AVE
City,State,Zip: PINOLE, CA 94564
Agency: Western Contra Costa Transit
Agency Address: 601 Walter Ave, Pinole, CA 94564
Place/Project Type: Industrial - Intercity and Rural Bus Transportation
SIC/NAICS: 4131(+)
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 07I000432
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/13/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.00558
Longitude: -122.31287

CERS:

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Name:	WESTERN CONTRA COSTA TRANSIT
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Site ID:	546637
CERS ID:	273064
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	546637
Site Name:	Western Contra Costa Transit
Violation Date:	07-02-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit the 2007-2008 Annual Report by 7/1/08 due date.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546637
Site Name:	Western Contra Costa Transit
Violation Date:	10-12-2005
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	10/12/05 Inspection: No storm water samples collected during 2004-05 (Section B.5).
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546637
Site Name:	Western Contra Costa Transit
Violation Date:	10-12-2005
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SWPPP
Violation Notes:	10/12/05 Inspection: No SWPPP onsite.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546637
Site Name:	Western Contra Costa Transit
Violation Date:	10-12-2005
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	10/12/05 Inspection: Effective BMPs not implemented for housekeeping (A.8.a) & exposure of rusty machinery to storm water (A.8.b).
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2011
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance.
Eval Division:	Water Boards

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S103666425**

Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-16-2012
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Photos attached.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

Enforcement Action:

Site ID:	546637
Site Name:	Western Contra Costa Transit
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	08-22-2008
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	N/A
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,
Site ID:	546637
Site Name:	Western Contra Costa Transit
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-31-2008
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	N/A
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Western Contra Costa Transit
Entity Title:	Operator
Affiliation Address:	601 Walter Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

K65 WSW 1/8-1/4 0.249 mi. 1313 ft. — **WESTERN CONTRA COSTA TRANSIT AUTHORITY**, **601 WALTER AVE**, **PINOLE, CA 94564** — **UST** — **U004343691** / **N/A**

Site 3 of 6 in cluster K

Relative: Lower
Actual: 73 ft.

UST:

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Facility ID:	07-000-771284
Permitting Agency:	Contra Costa County Health Services Department
CERSID:	10011877
Latitude:	38.005901
Longitude:	-122.31179

K66 WSW 1/8-1/4 0.249 mi. 1313 ft. — **WESTERN CONTRA COSTA TRANSIT**, **601 WALTER AVE**, **PINOLE, CA 94564** — **UST** — **U004350135** / **N/A**

Site 4 of 6 in cluster K

Relative: Lower
Actual: 73 ft.

UST:

Name:	WESTERN CONTRA COSTA TRANSIT
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564
Facility ID:	771284
Permitting Agency:	CONTRA COSTA COUNTY
CERSID:	Not reported
Latitude:	38.0071802
Longitude:	-122.3104889

K67 WSW 1/8-1/4 0.249 mi. 1313 ft. — **WCCCTA BUS OPERATION MAINT**, **601 WALTER AVE**, **PINOLE, CA 94564** — **LUST**, **Cortese**, **WDS**, **CERS** — **S102440995** / **N/A**

Site 5 of 6 in cluster K

Relative: Lower
Actual: 73 ft.

LUST REG 2:

Region:	2
Facility Id:	07-0557
Facility Status:	Case Closed
Case Number:	71284
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	7/11/1994
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

CORTESE:

Name:	WCCCTA BUS OPERATION MAINT
Address:	601 WALTER AVE

WCCCTA BUS OPERATION MAINT (Continued) **S102440995**

City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300514
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

WDS:

Name:	WSTRN CONTRA COSTA TRANSIT
Address:	601 Walter Ave
City:	PINOLE
Facility ID:	San Francisco Bay 07I000432
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	5107243331
Facility Contact:	CHARLES ANDERSON
Agency Name:	WSTRN CONTRA COSTA TRANSIT
Agency Address:	601 Walter Ave
Agency City,St,Zip:	Pinole 945642659
Agency Contact:	CHARLES ANDERSON
Agency Telephone:	5107243331
Agency Type:	?
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0

WCCCTA BUS OPERATION MAINT (Continued) **S102440995**

Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:
Name: WCCCTA BUS OPERATION MAINT
Address: 601 WALTER AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 228939
CERS ID: T0601300514
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

K68 **WESTERN CONTRA COSTA TRANSIT AUTHORITY** **CERS HAZ WASTE** **S113043980**
WSW **601 WALTER AVE** **CERS TANKS** **N/A**
1/8-1/4 **PINOLE, CA 94564** **HAZNET**
0.249 mi. **CERS**
1313 ft. **Site 6 of 6 in cluster K** **HWTS**

Relative:
Lower
Actual:
73 ft.

CERS HAZ WASTE:
Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address: 601 WALTER AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 85467
CERS ID: 10011877
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address: 601 WALTER AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 85467
CERS ID: 10011877
CERS Description: Underground Storage Tank

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

HAZNET:

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Contact:	CHARLES ANDERSON/MICA MCFADDEN
Telephone:	5107243331
Mailing Name:	Not reported
Mailing Address:	601 WALTER AVE
Year:	2019
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2019
Gepaid:	CAL000057124
TSD EPA ID:	AZR000521146
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25500
Year:	2019
Gepaid:	CAL000057124
TSD EPA ID:	CAD980675276
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.20000
Year:	2018
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.17500
Year:	2018
Gepaid:	CAL000057124
TSD EPA ID:	CAD980675276
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.15000
Year:	2017
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1375

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Year:	2016
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225

Year:	2015
Gepaid:	CAL000057124
TSD EPA ID:	CAD044429835
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

Year:	2015
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1875

Year:	2014
Gepaid:	CAL000057124
TSD EPA ID:	CAD059494310
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35

Click this hyperlink while viewing on your computer to access
44 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2008
Gen EPA ID:	CAL000057124
Shipment Date:	20081204
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081209
Manifest ID:	001712890FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081003
Creation Date:	11/17/2008 18:30:32
Receipt Date:	20081009
Manifest ID:	001712813FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD983608258
Trans 2 Name:	OCEAN BLUE ENVIRONMENTAL
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080822
Creation Date:	10/30/2008 18:30:18
Receipt Date:	20080903
Manifest ID:	001712709FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Shipment Date:	20080521
Creation Date:	8/7/2008 18:30:15
Receipt Date:	20080530
Manifest ID:	001712571FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.502
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080306
Creation Date:	5/16/2008 18:30:07
Receipt Date:	20080313
Manifest ID:	001028865FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000057124

Shipment Date:	20110518
Creation Date:	7/25/2011 18:30:12
Receipt Date:	20110601

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Manifest ID:	001059535GBF
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110425
Creation Date:	6/4/2011 18:30:48
Receipt Date:	20110427
Manifest ID:	008482155JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC NEWARK
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.27505
Waste Quantity:	1265
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000057124
Shipment Date:	20121115
Creation Date:	1/19/2013 22:15:23
Receipt Date:	20121115
Manifest ID:	010188633JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.0008
Waste Quantity:	240
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120828
Creation Date:	3/21/2013 22:15:13
Receipt Date:	20120911
Manifest ID:	009210964JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120419
Creation Date:	6/1/2012 20:30:08
Receipt Date:	20120419
Manifest ID:	009816940JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	DK DIXON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.72975
Waste Quantity:	175
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120419
Creation Date:	10/19/2012 22:15:10
Receipt Date:	20120424
Manifest ID:	009816939JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120307
Creation Date:	8/22/2012 22:15:18
Receipt Date:	20120315
Manifest ID:	009210888JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.34
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120119
Creation Date:	7/9/2012 8:24:33
Receipt Date:	20120126
Manifest ID:	009211479JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC TRANS
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000057124
Shipment Date:	20151116
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151214
Manifest ID:	005132031SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/6/2015 22:15:17
Receipt Date:	20150904
Manifest ID:	004995721SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150616
Manifest ID:	004787800SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SER
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150203
Creation Date:	5/17/2015 22:15:06
Receipt Date:	20150211
Manifest ID:	004404660SKS
Trans EPA ID:	TXR000081205

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000057124
Shipment Date:	20011114
Creation Date:	2/19/2002 0:00:00
Receipt Date:	20011120
Manifest ID:	21439849
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011001
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011008
Manifest ID:	21439961
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2125
Waste Quantity:	425
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010724
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010726
Manifest ID:	20831907
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010122
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010126
Manifest ID:	20831616
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000057124
Shipment Date:	20071211
Creation Date:	3/5/2008 18:30:20
Receipt Date:	20071220
Manifest ID:	001028736FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071002
Creation Date:	1/8/2008 18:30:22
Receipt Date:	20071018
Manifest ID:	001028540FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070627
Creation Date:	11/3/2007 18:30:51
Receipt Date:	20070703
Manifest ID:	000658743FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070626
Creation Date:	11/3/2007 18:30:51
Receipt Date:	20070703
Manifest ID:	000658730FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070510
Creation Date:	10/10/2007 18:30:38
Receipt Date:	20070517
Manifest ID:	000658461FLE

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070404
Creation Date:	8/23/2007 18:30:14
Receipt Date:	20070412
Manifest ID:	000658352FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070115
Creation Date:	8/9/2007 18:30:13
Receipt Date:	20070118
Manifest ID:	000658012FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAR000129304
Trans 2 Name:	FILTER RECYCLING SERVICES INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY - OVERTON
TSDF Alt EPA ID:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000057124
Shipment Date:	20130821
Creation Date:	10/16/2013 22:15:14
Receipt Date:	20130826
Manifest ID:	010830783JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130506
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130514
Manifest ID:	010197695JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV S
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130204
Creation Date:	8/21/2013 22:15:07
Receipt Date:	20130212
Manifest ID:	010189106JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000057124
Shipment Date:	19990817
Creation Date:	10/28/1999 0:00:00
Receipt Date:	19990819
Manifest ID:	99176615
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990512
Creation Date:	7/13/1999 0:00:00
Receipt Date:	19990526
Manifest ID:	98362943
Trans EPA ID:	CAT080012602
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990512
Creation Date:	6/14/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98249251
Trans EPA ID:	CAT080012602
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990125
Creation Date:	3/17/1999 0:00:00

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Receipt Date:	Not reported
Manifest ID:	98249438
Trans EPA ID:	CAT080012602
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.5838
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000057124
Shipment Date:	20040720
Creation Date:	1/4/2005 18:33:27
Receipt Date:	20040823
Manifest ID:	22744635
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAD983668583
Trans 2 Name:	CONSOLIDATED WASTE IND
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD983668583
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040421
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040504
Manifest ID:	22744634
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAD983668585

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans 2 Name:	CONSOLIDATED WASTE INDUSTRIES
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040303
Creation Date:	8/23/2004 8:25:08
Receipt Date:	20040304
Manifest ID:	22744620
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAD983668583
Trans 2 Name:	CONSOLIDATED WASTE INDUSTRIES
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000057124
Shipment Date:	20091118
Creation Date:	6/29/2010 18:30:46
Receipt Date:	20091203
Manifest ID:	001731354FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000164012
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090814
Creation Date:	10/20/2009 18:30:09
Receipt Date:	20090902
Manifest ID:	001731266FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090506
Creation Date:	6/30/2009 18:30:08
Receipt Date:	20090520
Manifest ID:	001712999FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD983608258
Trans 2 Name:	OCEAN BLUE ENVIRONMENTAL
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090403
Creation Date:	5/11/2009 18:30:47
Receipt Date:	20090410
Manifest ID:	001731114FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD983608258
Trans 2 Name:	OCEAN BLUE ENVIRONMENTAL
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090403
Creation Date:	5/11/2009 18:30:47
Receipt Date:	20090410
Manifest ID:	001731114FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD983608258
Trans 2 Name:	OCEAN BLUE ENVIRONMENTAL
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Gen EPA ID:	CAL000057124
Shipment Date:	20171103
Creation Date:	8/7/2018 18:30:40
Receipt Date:	20171109
Manifest ID:	006276480SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170523
Creation Date:	10/26/2018 18:30:13
Receipt Date:	20170615
Manifest ID:	006105020SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	UTD991301748
Trans Name:	CLEAN HARBORS GRASSY MOUNTAIN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170209
Creation Date:	5/18/2017 18:31:18
Receipt Date:	20170220
Manifest ID:	010241147FLE
Trans EPA ID:	TXR000081205

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans Name:	SAFETY-KLEEN SYSTEMS, INC.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS OF SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000057124
Shipment Date:	20141023
Creation Date:	1/21/2015 22:15:08
Receipt Date:	20141104
Manifest ID:	004407758SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEANHARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141006
Creation Date:	12/31/2014 22:14:46
Receipt Date:	20141015
Manifest ID:	004405253SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVC

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140321
Creation Date:	6/11/2014 22:15:17
Receipt Date:	20140407
Manifest ID:	003981704SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEANHARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140321
Creation Date:	6/11/2014 22:15:17
Receipt Date:	20140407
Manifest ID:	003981704SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEANHARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140131
Creation Date:	7/20/2014 22:15:06
Receipt Date:	20140210
Manifest ID:	010198580JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1598
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000057124
Shipment Date:	20021212
Creation Date:	4/10/2003 10:20:47
Receipt Date:	20021226
Manifest ID:	22254040
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020903
Creation Date:	1/31/2003 15:02:08
Receipt Date:	20020906
Manifest ID:	21285103
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020729
Creation Date:	1/31/2003 15:02:08
Receipt Date:	20020819
Manifest ID:	21284992
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020320
Creation Date:	12/26/2002 18:30:50
Receipt Date:	20020326

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Manifest ID:	21284839
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000057124
Shipment Date:	20030716
Creation Date:	2/1/2005 18:30:21
Receipt Date:	20030722
Manifest ID:	21653527
Trans EPA ID:	CAR000112722
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000101600
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030716
Creation Date:	2/1/2005 18:30:21
Receipt Date:	20030722
Manifest ID:	21653527
Trans EPA ID:	CAR000112722
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000101600
Trans 2 Name:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030710
Creation Date:	2/1/2005 18:30:21
Receipt Date:	20030715
Manifest ID:	22254193
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030710
Creation Date:	2/1/2005 18:30:21
Receipt Date:	20030715
Manifest ID:	22254193
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.187
Waste Quantity:	55

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030404
Creation Date:	6/21/2004 12:08:11
Receipt Date:	20030416
Manifest ID:	22254223
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030404
Creation Date:	6/21/2004 12:08:11
Receipt Date:	20030416
Manifest ID:	22254223
Trans EPA ID:	CAD981694722
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982524480
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.35445
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Gen EPA ID:	CAL000057124
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051230
Manifest ID:	24780151
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECI
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051005
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051018
Manifest ID:	24780038
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECI
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY - OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050906
Creation Date:	1/11/2006 18:31:12
Receipt Date:	20050920
Manifest ID:	24067989
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Trans 2 Name:	ECI
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.34
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050415
Creation Date:	7/28/2005 18:30:54
Receipt Date:	20050429
Manifest ID:	24067821
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAD983668583
Trans 2 Name:	CONSOLIDATED WASTE IND
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050125
Creation Date:	4/2/2005 18:31:07
Receipt Date:	20050128
Manifest ID:	24067729
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD983668583
Trans 2 Name:	CONSOLIDATED WASTE IND
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000057124
Shipment Date:	20101203
Creation Date:	2/19/2011 18:30:32
Receipt Date:	20101213
Manifest ID:	007883820JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101013
Creation Date:	1/3/2011 18:30:54
Receipt Date:	20101018
Manifest ID:	007400398JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101011
Creation Date:	1/3/2011 18:30:46
Receipt Date:	20101018
Manifest ID:	006998524JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100602
Creation Date:	8/30/2010 18:30:22
Receipt Date:	20100609
Manifest ID:	007399635JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100226
Creation Date:	12/3/2010 18:30:07

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Receipt Date:	20100305
Manifest ID:	004824266JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000164012
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000057124
Shipment Date:	19981007
Creation Date:	12/8/1998 0:00:00
Receipt Date:	19981021
Manifest ID:	98249270
Trans EPA ID:	CAT080012602
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000057124
Shipment Date:	20151116

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151214
Manifest ID:	005132031SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/6/2015 22:15:17
Receipt Date:	20150904
Manifest ID:	004995721SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150616
Manifest ID:	004787800SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SER

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150203
Creation Date:	5/17/2015 22:15:06
Receipt Date:	20150211
Manifest ID:	004404660SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000057124
Shipment Date:	20060921
Creation Date:	3/30/2007 13:31:40
Receipt Date:	20060928
Manifest ID:	000658563FLE
Trans EPA ID:	CAD982030173
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060623
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060629
Manifest ID:	25202738
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060623
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060629
Manifest ID:	25202738
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060520
Creation Date:	12/20/2006 18:30:52
Receipt Date:	20060530
Manifest ID:	25202779
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECI
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.935
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060418
Creation Date:	12/22/2006 18:30:48
Receipt Date:	20060504
Manifest ID:	24780394
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECI
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address:	601 WALTER AVE
City,State,Zip:	PINOLE, CA 94564

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Site ID: 85467
CERS ID: 10011877
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 12-02-2020
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/17/2021. OBSERVATION: The business failed to electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 09-22-2021
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: "OBSERVATION: As of September 22, 2021, the subject facility does not possess a current and valid CUPA permit. CORRECTIVE ACTION: Please address the following issue(s): 1. Immediately remit payment for all outstanding Certified Unified Program Agency permit fees to Contra Costa Health Services. Please contact Contra Costa Health Services Finance at (925) 957-5520."
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-02-2022
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

	the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/02/2022. OBSERVATION: Facility did not comply with the following DO inspection requirement: The owner/operator signed and dated the Designated Underground Storage Tank Operator Visual Inspection Report within 72 hours of being provided a signed copy. Facility has not been regularly signing a copy of their D.O. report within 72 hours of being provided a signed copy. CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Facility had signed and dated a copy of the most recent inspection when CCHSHMP arrived, and signed the older copies while CCHSHMP was on site.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date:	02-21-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/28/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. There are 2-55gal waste antifreeze on site, which is double the 55gal reported, the propane forklift tank should be reported, the oil filter drums (2-55gal) should be reported because they have been picked up at 500lbs and above and are therefore over threshold. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date:	02-23-2017
Citation:	23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description:	Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 02/23/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date:	02-23-2017
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 06/27/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 04-12-2021
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) UNDERGROUND STORAGE TANK (UST) SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT A COMPLETE/CORRECT UST SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 03-04-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 03/04/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-22-2021
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes: Returned to compliance on 02/02/2022. OBSERVATION: Owner/Operator did not continuously monitor the interstitial space of the USTs such that the leak detection activates an audible/visual alarm when a leak is detected. Diesel annular sensor cord broke during testing and the sensor was not able to be reinstalled. Sensor cord must be repaired and reinstalled. CORRECTIVE ACTION: Continuously monitor the

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

interstitial space of the USTs such that the leak detection equipment activates an audible/visual alarm when a leak is detected. Submit verification.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 03-04-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/10/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-21-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/27/2018. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. During the 2016 inspection facility provided CCHSHMP a site map that includes evacuation staging areas and fire extinguishers, first aid kits etc.
This site map was not included with the 2018 CERS submittal, so the site map currently provided in CERS is inadequate. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content. CCHSHMP recommends adding a copy of the evacuation map in the hall way to the map in the current CERS submittal.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-02-2022
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: OBSERVATION: UST facility operating permit information specifically found on the UST tank information for both the gasoline and diesel tank systems] are not current in CERS. Any change of information must be updated in CERS within 30 days of the change. 71284-2/Diesel->UST Tank Information->Product/Waste Piping Construction->Product/Turbine Containment Sump->Single-Walled 71284-1/Gasoline->UST Tank Information->Tank Construction:-> Overfill Protection: Uncheck - Audible/Visual Alarms (this is no longer tested) Check - Fill Tube

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Shut-off valve (This was installed with the 2019 permit)
71284-1/Gasoline->UST Tank Information->Product/Waste Piping Construction->Product/Turbine Containment Sump->Single-Walled
CORRECTIVE ACTION: Immediately update the required information in CERS and submit for review by the CUPA.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-15-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 08/12/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility has indicated they are using Audible visual alarm for overfill however this is not an acceptable method of overfill because the system has single wall vent and vapor pipe. CORRECTIVE ACTION: Maintain overfill prevention system to comply with the deficiencies noted above. Submit verification.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 02-21-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/27/2018. OBSERVATION: Financial

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Latest UST submittal element was on 2/23/2017 and contained a Certificate of financial responsibility as well as a chief financial officer letter with a date 2/8/2017. The chief financial officer letter mechanism must be renewed annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility including the chief financial officer letter by 3/23/2018.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Violation Date: 04-19-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/22/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	09-22-2021
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-04-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-15-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Eval General Type:	Other/Unknown
Eval Date:	03-15-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	03-30-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	05-07-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	07-07-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-21-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2021
Violations Found:	Yes

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-04-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-15-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-21-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-04-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-15-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address: 601 WALTER AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 02-02-2022
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 85467
Site Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address: 601 WALTER AVE
Site City: PINOLE

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Site Zip:	94564
Enf Action Date:	02-15-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-21-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-21-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-22-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	02-23-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	03-04-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	03-04-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-12-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	04-19-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	85467

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	09-22-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	85467
Site Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Site Address:	601 WALTER AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	12-02-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	85467
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Env Int Type Code:	HWG
Program ID:	10011877
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.005909
Longitude:	-122.311043

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Property Owner
Entity Name:	Charles Anderson
Entity Title:	Not reported
Affiliation Address:	601 Walter Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-3331,

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Affiliation Type Desc:	Identification Signer
Entity Name:	Mica Mcfadden
Entity Title:	Administrative Analyst
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Western Contra Costa Transit Authority
Entity Title:	Not reported
Affiliation Address:	601 Walter Ave.
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-3331,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mica Mcfadden
Entity Title:	Not reported
Affiliation Address:	601 WALTER AVE
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	601 Walter Ave
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94546
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	WESTERN CONTRA COSTA TRANSIT AUTHORTIY
Entity Title:	Not reported
Affiliation Address:	601 Walter Ave
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-3331,

Affiliation Type Desc:	Operator
Entity Name:	Western Contra Costa Transit Authority
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Affiliation Zip: Not reported
Affiliation Phone: (510) 724-3331,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Mica Mcfadden
Entity Title: Administrative Analsyt
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 724-3331,

Affiliation Type Desc: Document Preparer
Entity Name: Mica Mcfadden
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Western Contra Costa Transit Authority
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Property Owner Name
Entity Name: Western Contra Costa Transit Authority
Entity Title: Not reported
Affiliation Address: 601 Walter Ave.
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94564
Affiliation Phone: (510) 724-3331,

Affiliation Type Desc: UST Tank Operator
Entity Name: Western Contra Costa Transit Authority
Entity Title: Not reported
Affiliation Address: 601 Walter Ave.
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94564
Affiliation Phone: (510) 724-3331,

HWTS:
Name: WESTERN CONTRA COSTA TRANSIT AUTHORITY
Address: 601 WALTER AVE

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000057124
Inactive Date:	Not reported
Create Date:	09/02/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	601 WALTER AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 945640000
Owner Name:	WESTERN CONTRA COSTA TRANSIT
Owner Address:	601 WALTER AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	PINOLE, CA 945642659
Contact Name:	CHARLES ANDERSON/MICA MCFADDEN
Contact Address:	601 WALTER AVE
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.00543
Longitude:	-122.31259

NAICS:

EPA ID:	CAL000057124
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	4853
NAICS Description:	Taxi and Limousine Service
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	48532
NAICS Description:	Limousine Service
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	48541
NAICS Description:	School and Employee Bus Transportation
Issued EPA ID Date:	1994-09-02 00:00:00

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	485991
NAICS Description:	Special Needs Transportation
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2003-10-23 15:27:19.000
NAICS Code:	485999
NAICS Description:	All Other Transit and Ground Passenger Transportation
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	48711
NAICS Description:	Scenic and Sightseeing Transportation, Land
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported
Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

EPA ID:	CAL000057124
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	62191
NAICS Description:	Ambulance Services
Issued EPA ID Date:	1994-09-02 00:00:00
Inactive Date:	Not reported

WESTERN CONTRA COSTA TRANSIT AUTHORITY (Continued) **S113043980**

Facility Name:	WESTERN CONTRA COSTA TRANSIT AUTHORITY
Facility Address:	601 WALTER AVE
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945640000

L69 **AT&T MOBILITY - ROBLE AVE & ENCINA AVE - USID47538** **CONTRA COSTA CO. SITE LIST** **S105850435**
SE **1106 SAN PABLO AVE** **N/A**
1/8-1/4 **PINOLE, CA 94564**
0.250 mi.
1318 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
115 ft.

CONTRA COSTA CO. SITE LIST:

Name:	AT&T MOBILITY - ROBLE AVE & ENCINA AVE - USID47538
Address:	1106 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0029850
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	773179
CERS ID:	10890379

Name:	AT&T MOBILITY - ROBLE AVE & ENCINA AVE - USID47538
Address:	1106 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0029850
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	773179
CERS ID:	10890379

Name:	AT&T MOBILITY - ROBLE AVE & ENCINA AVE - USID47538
Address:	1106 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0029850
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	773179
CERS ID:	10890379

L70 SE 1/4-1/2 0.287 mi. 1515 ft. | **GOZZANO PROPERTY**
701 5 SAN PABLO AVE
RODEO, CA 94572

Site 2 of 2 in cluster L

LUST
Cortese
HIST CORTESE
CERS

S105025896
N/A

Relative: Higher

Actual: 116 ft.

LUST:

Name:	GOZZANO PROPERTY
Address:	701 5 SAN PABLO AVE
City,State,Zip:	RODEO, CA 94572
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300738
Global Id:	T0601300738
Latitude:	38.0390769038548
Longitude:	-122.264890921149
Status:	Completed - Case Closed
Status Date:	03/13/2009
Case Worker:	MYM
RB Case Number:	07-0795
Local Agency:	CONTRA COSTA COUNTY
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	72382
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0601300738
Contact Type:	Regional Board Caseworker
Contact Name:	MARTIN MUSONGE
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET
City:	OAKLAND
Email:	martin.musonge@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300738
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300738
Action Type:	Other
Date:	09/14/1999
Action:	Leak Discovery

Global Id:	T0601300738
Action Type:	Other
Date:	09/09/1999
Action:	Leak Reported

Global Id:	T0601300738
Action Type:	RESPONSE

GOZZANO PROPERTY (Continued) **S105025896**

Date: 04/16/2021
Action: Site Assessment Report

Global Id: T0601300738
Action Type: RESPONSE
Date: 04/21/2021
Action: Phase I Assessment Report

Global Id: T0601300738
Action Type: ENFORCEMENT
Date: 05/26/2021
Action: Staff Letter

Global Id: T0601300738
Action Type: Other
Date: 09/14/1999
Action: Leak Stopped

Global Id: T0601300738
Action Type: ENFORCEMENT
Date: 03/13/2009
Action: Closure/No Further Action Letter

LUST:
Global Id: T0601300738
Status: Open - Case Begin Date
Status Date: 09/09/1999

Global Id: T0601300738
Status: Open - Site Assessment
Status Date: 11/02/1999

Global Id: T0601300738
Status: Completed - Case Closed
Status Date: 03/13/2009

LUST REG 2:
Region: 2
Facility Id: 07-0795
Facility Status: Leak being confirmed
Case Number: 72382
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 11/2/1999
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CORTESE:
Name: GOZZANO PROPERTY

GOZZANO PROPERTY (Continued) **S105025896**

Address:	701 5 SAN PABLO AVE
City,State,Zip:	RODEO, CA 94572
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300738
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	GOZZANO PROPERTY
edr_fadd1:	701 70 SAN PABLO
City,State,Zip:	RODEO, CA 94572
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0795

CERS:

Name:	GOZZANO PROPERTY
Address:	701 5 SAN PABLO AVE
City,State,Zip:	RODEO, CA 94572
Site ID:	224388
CERS ID:	T0601300738
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND

GOZZANO PROPERTY (Continued) **S105025896**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

71
SE
1/4-1/2
0.316 mi.
1671 ft.

Relative:
Higher

Actual:
103 ft.

MAJOR LINES GASOLINE
1390 SAN PABLO AVE
PINOLE, CA 94564

LUST **S103723110**
CERS HAZ WASTE **N/A**
CERS TANKS
Cortese
ENF
HIST CORTESE
CONTRA COSTA CO. SITE LIST
CERS

LUST:
Name: MAJOR LINES GASOLINE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300713
Global Id: T0601300713
Latitude: 38.0045
Longitude: -122.3014
Status: Completed - Case Closed
Status Date: 06/01/2000
Case Worker: Not reported
RB Case Number: 07-0767
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: 41818
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300713
Contact Type: Local Agency Caseworker
Contact Name: SUE LOYD
Organization Name: CONTRA COSTA COUNTY
Address: 4333 PACHECO BLVD.
City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:
Global Id: T0601300713
Action Type: Other
Date: 01/07/1999
Action: Leak Discovery

Global Id: T0601300713
Action Type: ENFORCEMENT
Date: 05/14/1999
Action: Staff Letter

Global Id: T0601300713

MAJOR LINES GASOLINE (Continued) **S103723110**

Action Type: ENFORCEMENT
Date: 12/17/1999
Action: Staff Letter

Global Id: T0601300713
Action Type: ENFORCEMENT
Date: 09/14/1999
Action: Staff Letter

Global Id: T0601300713
Action Type: ENFORCEMENT
Date: 06/01/2000
Action: Closure/No Further Action Letter

Global Id: T0601300713
Action Type: ENFORCEMENT
Date: 06/04/1999
Action: Staff Letter

Global Id: T0601300713
Action Type: Other
Date: 01/07/1999
Action: Leak Reported

Global Id: T0601300713
Action Type: Other
Date: 01/07/1999
Action: Leak Stopped

LUST:
Global Id: T0601300713
Status: Open - Case Begin Date
Status Date: 01/07/1999

Global Id: T0601300713
Status: Open - Site Assessment
Status Date: 02/08/1999

Global Id: T0601300713
Status: Open - Site Assessment
Status Date: 06/04/1999

Global Id: T0601300713
Status: Completed - Case Closed
Status Date: 06/01/2000

LUST REG 2:
Region: 2
Facility Id: 07-0767
Facility Status: Case Closed
Case Number: 41818
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 2/8/1999

MAJOR LINES GASOLINE (Continued) **S103723110**

Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 6/4/1999
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CERS HAZ WASTE:
Name: GRAND GAS PINOLE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 40873
CERS ID: 10007281
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: GRAND GAS PINOLE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 40873
CERS ID: 10007281
CERS Description: Underground Storage Tank

CORTESE:
Name: MAJOR LINES GASOLINE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300713
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

ENF:
Name: MAJOR LINES GASOLINE
Address: 1390 SAN PABLO
City,State,Zip: PINOLE, CA
Region: 2

MAJOR LINES GASOLINE (Continued) **S103723110**

Facility Id:	242120
Agency Name:	Major Lines Gasoline
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0767
Reg Measure Id:	168351
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

MAJOR LINES GASOLINE (Continued) **S103723110**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236272
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/14/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	10/12/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0767
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	10/12/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	MAJOR LINES GASOLINE
Address:	1390 SAN PABLO
City,State,Zip:	PINOLE, CA
Region:	2
Facility Id:	242120
Agency Name:	Major Lines Gasoline
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported

MAJOR LINES GASOLINE (Continued) **S103723110**

Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0767
Reg Measure Id:	168351
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236271
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/01/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0767
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

MAJOR LINES GASOLINE (Continued) **S103723110**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	MAJOR LINES GASOLINE
edr_fadd1:	1390 SAN PABLO
City,State,Zip:	PINOLE, CA 94564
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0767

CONTRA COSTA CO. SITE LIST:

Name:	GRAND GAS PINOLE
Address:	1390 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0032252
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	741818
CERS ID:	10007281

Name:	GRAND GAS PINOLE
Address:	1390 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0032252
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	741818
CERS ID:	10007281

Name:	GRAND GAS PINOLE
Address:	1390 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0032252
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	741818
CERS ID:	10007281

Name:	GRAND GAS PINOLE
Address:	1390 SAN PABLO AVE
City:	PINOLE
Facility ID:	FA0032252
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA

MAJOR LINES GASOLINE (Continued) **S103723110**

Cupa Number: 741818
CERS ID: 10007281

Name: GRAND GAS PINOLE
Address: 1390 SAN PABLO AVE
City: PINOLE
Facility ID: FA0032252
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 741818
CERS ID: 10007281

CERS:
Name: MAJOR LINES GASOLINE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 199615
CERS ID: T0601300713
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: GRAND GAS PINOLE
Address: 1390 SAN PABLO AVE
City,State,Zip: PINOLE, CA 94564
Site ID: 40873
CERS ID: 10007281
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-18-2016
Citation: Un-Specified
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes: Returned to compliance on 05/18/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-24-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286

MAJOR LINES GASOLINE (Continued) **S103723110**

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/26/2019. OBSERVATION: ON APRIL 1, 2019, CCHSHMP ISSUED A NOTICE OF VIOLATION (ATTACHED) TO THE SUBJECT FACILITY FOR FAILURE TO SUBMIT A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) UNDERGROUND STORAGE TANK (UST) SUBMITTAL ELEMENT. AS OF MAY 24, 2019, THE VIOLATION REMAINS OUTSTANDING. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT A COMPLETE/CORRECT UST SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/26/2021. OBSERVATION: The business did not provide one or more of the following: initial employee training, adequate employee training, annual employee training and/or maintain records of employee training. CORRECTIVE ACTION: Provide all employees with required training that includes: safe handling hazardous materials, emergency response procedures, and proper use of response equipment. Maintain records of training available for 3 years.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 09/03/2020. OBSERVATION: Annual monitoring system certification and leak detector testing, were last performed on 5/20/2019 and is 3 months past due. These tests are required once every 12 months. CORRECTIVE ACTION: Immediately schedule these tests and provide 48 hours notification to the CUPA. Please be aware that a follow up inspection may be charged at our current hourly rate.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7,

MAJOR LINES GASOLINE (Continued) **S103723110**

	Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 09/03/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	40873
Site Name:	Grand Gas Pinole
Violation Date:	09-03-2020
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 01/29/2021. OBSERVATION: Line leak detector failed to meet one or more of the following requirements: Monitor at least hourly; Capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g.; Restricting or shutting off the flow of product through the piping when a leak is detected. Diesel MLLD observed to fail testing. CORRECTIVE ACTION: Repair or replace diesel line leak detector so that is it is capable of monitoring at least hourly, detecting a release of 3.0 gallons per hour at 10 p.s.i.g., and restricting or shutting off the flow of product through the piping when a leak is detected.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	40873
Site Name:	Grand Gas Pinole
Violation Date:	08-06-2020
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 09/03/2020. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill

MAJOR LINES GASOLINE (Continued) **S103723110**

container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Spill container testing overdue. Last tested on 5/20/2019. CORRECTIVE ACTION: Immediately schedule this test and provide 48 hours notification to the CUPA.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 01-29-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/26/2021. OBSERVATION: The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. CORRECTIVE ACTION: Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 01/29/2021. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". CORRECTIVE ACTION: Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

MAJOR LINES GASOLINE (Continued) **S103723110**

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-18-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/21/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 09-28-2020
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes: Returned to compliance on 10/12/2020.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-20-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 05/26/2019. OBSERVATION: Facility does not have an approved Monitoring Plan. CORRECTIVE ACTION: Maintain an Approved Monitoring Plan. Log into CERS and make required changes to Monitoring Plan as recommended by Xavier Bryant. In addition, the UDC sensor is a 406, not a 404 as listed.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 10-12-2020
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 04/20/2021. OBSERVATION: The 10/12/20 secondary containment test results indicate a failure at the 87 UL and Diesel STP Sumps. All secondary containment for the UST system must be

MAJOR LINES GASOLINE (Continued) **S103723110**

tight. CORRECTIVE ACTION: Immediately have a properly licensed, trained, and certified contractor repair or replace the failed component(s) under permit and inspection of the CUPA.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 09-03-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 01/29/2021. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Diesel spill container failed liquid tightness testing. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verfiy compliance. Maintain all testing records for 36 [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 01-29-2021
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/26/2021. OBSERVATION: Owner/Operator failed to do one or more of the following: Provide initial training before the individual performs the duties of a facility employee; Train facility employees in the proper operation and maintenance of the underground storage tank system at least once every 12 months; Have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system

MAJOR LINES GASOLINE (Continued) **S103723110**

by a designated operator (DO). No DO trained employees observed working during the inspection. CORRECTIVE ACTION: Ensure that employees receive initial and annual training in the proper operation and maintenance of the UST system and that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 10/13/2020.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-13-2021
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 05/13/2021. OBSERVATION: Line leak detector failed to meet one or more of the following requirements: Monitor at least hourly; Capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g.; Restricting or shutting off the flow of product through the piping when a leak is detected. 91 line leak detector failed 3.0 gallon per hour leak detection test. Line leak detector was adjusted and retested and observed to pass. CORRECTIVE ACTION: Ensure that the 91 line leak detector is it is capable of monitoring at least hourly, detecting a release of 3.0 gallons per hour at 10 p.s.i.g., and restricting or shutting off the flow of product through the piping when a leak is detected.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-01-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 05/05/2015.

MAJOR LINES GASOLINE (Continued) **S103723110**

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 04-20-2021
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 04/20/2021. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. 87 and diesel UST overfill prevention equipment (drop tube shut off valves set at more than 95% tank capacity. Valves replaced and the new valves were reported to meet requirements. CORRECTIVE ACTION: Maintain overfill prevention system to comply with the deficiencies noted above.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 04-20-2021
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/26/2021. OBSERVATION: Owner/Operator failed to do one or more of the following: Provide initial training before the individual performs the duties of a facility employee; Train facility employees in the proper operation and maintenance of the underground storage tank system at least once every 12 months;

MAJOR LINES GASOLINE (Continued) **S103723110**

Have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). Owner/Operator failed to have at least one DO trained employee present, during the time of the inspection. Marlene Martinez, working alone, name is not on the training certificate. CORRECTIVE ACTION: Ensure that employees receive initial and annual training in the proper operation and maintenance of the UST system and that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 04-01-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/26/2019. OBSERVATION: AS OF APRIL 1, 2019, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) UNDERGROUND STORAGE TANK (UST) SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT A COMPLETE/CORRECT UST SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 08-06-2020
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes: Returned to compliance on 10/12/2020. OBSERVATION: Secondary containment testing was last performed on 5/22/2017 and was due by 5/2020. Testing has not been completed and is 3 months past due. Secondary containment testing is required once every 36 months. CORRECTIVE ACTION: Immediately schedule this test and provide 48 hours notification to the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

MAJOR LINES GASOLINE (Continued) **S103723110**

Site ID: 40873
Site Name: Grand Gas Pinole
Violation Date: 05-13-2021
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 05/13/2021. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. 87 Unleaded spill container failed liquid tightness requirement. Spill container fill cap was replaced with a new cap and the drain valve was cleaned up to tighten the seal. The spill container was retested and observed to pass. CORRECTIVE ACTION: Ensure spill containers continue to meet all of the listed [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-20-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-29-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-17-2018
Violations Found: No

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-20-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-01-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-29-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-29-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-20-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2017
Violations Found: No

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-29-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-21-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-20-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-04-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-28-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-12-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

MAJOR LINES GASOLINE (Continued) **S103723110**

Eval General Type: Other/Unknown
Eval Date: 12-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 40873
Site Name: Grand Gas Pinole
Site Address: 1390 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 01-29-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Site Address: 1390 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 01-29-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Site Address: 1390 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 04-01-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 40873
Site Name: Grand Gas Pinole
Site Address: 1390 SAN PABLO AVE
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 04-20-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

MAJOR LINES GASOLINE (Continued) **S103723110**

Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-01-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-13-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-18-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-18-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

MAJOR LINES GASOLINE (Continued) **S103723110**

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-20-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-24-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	08-06-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	08-06-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564

MAJOR LINES GASOLINE (Continued) **S103723110**

Enf Action Date:	09-03-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	09-28-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	40873
Site Name:	Grand Gas Pinole
Site Address:	1390 SAN PABLO AVE
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-12-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Coordinates:

Site ID:	40873
Facility Name:	Grand Gas Pinole
Env Int Type Code:	HWG
Program ID:	10007281
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.004501
Longitude:	-122.301414

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Operator

MAJOR LINES GASOLINE (Continued) **S103723110**

Entity Name:	1390 San Pablo Ave Pinole LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(415) 710-4004,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Salkhi Family Holdings dba Grand Gas Pinole
Entity Title:	Not reported
Affiliation Address:	PO BOX 1678
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94577
Affiliation Phone:	(415) 710-4004,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	1390 San Pablo Ave Pinole LLC
Entity Title:	Not reported
Affiliation Address:	PO BOX 1678
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94577
Affiliation Phone:	(415) 710-4004,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Catherine Riccomini
Entity Title:	Not reported
Affiliation Address:	PO BOX 1678
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94577
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 1678
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94577
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Arash Salkhi
Entity Title:	Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

MAJOR LINES GASOLINE (Continued) **S103723110**

Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Salkhi Petroleum, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: 1390 San Pablo Ave Pinole LLC
Entity Title: Not reported
Affiliation Address: PO BOX 1678
Affiliation City: San Leandro
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94577
Affiliation Phone: (510) 932-3425,

Affiliation Type Desc: Document Preparer
Entity Name: Stantec Consulting Services Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Salkhi Family Holdings, Inc.
Entity Title: Not reported
Affiliation Address: PO BOX 1678
Affiliation City: San Leandro
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94577
Affiliation Phone: (415) 710-4004,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Nasreen Saleem
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 932-3425,

Affiliation Type Desc: UST Property Owner Name
Entity Name: 1390 San Pablo Ave Pinole LLC
Entity Title: Not reported
Affiliation Address: PO BOX 1678
Affiliation City: San Leandro

MAJOR LINES GASOLINE (Continued) **S103723110**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94577
Affiliation Phone: (415) 710-4004,

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72 SSE 1/4-1/2 0.374 mi. 1975 ft. | **CA AUTISM FOUNDATION, A BETTER CHANCE II** | **ENVIROSTOR** | **S118757489**
982 MARLESTA ROAD | **N/A**
PINOLE, CA 94564

Relative: Higher
Actual: 178 ft.

ENVIROSTOR:

Name:	CA AUTISM FOUNDATION, A BETTER CHANCE II
Address:	982 MARLESTA ROAD
City,State,Zip:	PINOLE, CA 94564
Facility ID:	07830003
Status:	No Action Required
Status Date:	04/12/1995
Site Code:	200620
Site Type:	Calmortgage
Site Type Detailed:	Calmortgage
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juan Peng
Division Branch:	Cleanup Sacramento
Assembly:	15
Senate:	09
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	CalMortgage
Latitude:	38.00180
Longitude:	-122.3053
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	200620
Alias Type:	Project Code (Site Code)
Alias Name:	07830003
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/12/1995
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

CA AUTISM FOUNDATION, A BETTER CHANCE II (Continued) **S118757489**

Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

73
SW
1/4-1/2
0.476 mi.
2515 ft.

Relative:
Higher

Actual:
78 ft.

SNOW WHITE CLEANERS
610 SAN PABLO AVE
PINOLE, CA 94564

RCRA-SQG **1000819307**
CPS-SLIC **CAD983652827**
BROWNFIELDS
CERS HAZ WASTE
FINDS
HAZNET
CERS
HWTS

RCRA-SQG:

Date Form Received by Agency:		19921119
Handler Name:	SNOW WHITE CLEANERS	
Handler Address:		610 SAN PABLO AVE
Handler City,State,Zip:		PINOLE, CA 94564
EPA ID:		CAD983652827
Contact Name:		PRITAM DHALIWAL
Contact Address:		610 SAN PABLO AVE
Contact City,State,Zip:		PINOLE, CA 94564
Contact Telephone:		510-724-0750
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		SAN PABLO AVE
Mailing City,State,Zip:		PINOLE, CA 94564
Owner Name:	PRITAM DHALIWAL	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PRITAM DHALIWAL	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1022 BAY POINT WY
Owner/Operator City,State,Zip:	RODEO, CA 94572
Owner/Operator Telephone:	510-799-3194
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

SNOW WHITE CLEANERS (Continued) **1000819307**

Receive Date:	19921119
Handler Name: SNOW WHITE CLEANERS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CPS-SLIC:

Name:	SNOW WHITE CLEANERS
Address:	610 SAN PABLO AVE.
City,State,Zip:	PINOLE, CA 94564
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/13/2008
Global Id:	SL0601331885
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	38.0036810748961
Longitude:	-122.315892265221
Case Type:	Cleanup Program Site
Case Worker:	MYM
Local Agency:	Not reported
RB Case Number:	07S0184
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BROWNFIELDS:

Name:	SNOW WHITE CLEANERS
Address:	610 SAN PABLO AVE.
City,State,Zip:	PINOLE, CA 94564
Global ID:	SL0601331885
Latitude:	38.003681075
Longitude:	-122.31589227
Project Type:	Cleanup Program Site
Status:	Completed - Case Closed

SNOW WHITE CLEANERS (Continued) **1000819307**

Status Date:	03/13/2008
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Last Correspondence Date:	03/18/2008
Release Type:	Unknown
Contaminant(s) of Concern:	Tetrachloroethylene (PCE)
Media of Concern:	Soil
Past Use(s) that Caused Contamination:	Not reported
Human Health Exposure Controlled:	Not reported
Human Health Exposure Controlled Date:	Not reported
Groundwater Migration Controlled:	Not reported
Groundwater Migration Controlled Date:	Not reported
Primary Caseworker Name:	MARTIN MUSONGE
Primary Caseworker Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Primary Caseworker Phone Number:	510-622-2396
Primary Caseworker Address:	1515 CLAY STREET
Primary Caseworker Address:	OAKLAND
Primary Caseworker Address:	C
Primary Caseworker Email:	martin.musonge@waterboards.ca.gov

CERS HAZ WASTE:

Name:	O'REILLY AUTO PARTS #3495
Address:	610 SAN PABLO AVE STE L
City,State,Zip:	PINOLE, CA 94564
Site ID:	594136
CERS ID:	10881199
CERS Description:	Hazardous Waste Generator

FINDS:

Registry ID: 110022296362

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HAZNET:

Name:	SNOW WHITE CLEANERS
Address:	610 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Contact:	ENVIRONMENTAL MGR
Telephone:	5107240750
Mailing Name:	Not reported
Mailing Address:	610 SAN PABLO AVE
Year:	2007
Gepaid:	CAD983652827
TSD EPA ID:	CA000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SNOW WHITE CLEANERS (Continued) **1000819307**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.9975
Year:	2007
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Year:	2006
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.555
Year:	2006
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	Not reported
Year:	2001
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	0
Year:	2001
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.3825
Year:	2000
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.594
Year:	1999
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	1.095
Year:	1998
Gepaid:	CAD983652827
TSD EPA ID:	CA0000084517
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L

SNOW WHITE CLEANERS (Continued) **1000819307**

Disposal Method:	H01 - Transfer Station
Tons:	0.645
Year:	1997
Gepaid:	CAD983652827
TSD EPA ID:	CAD053044053
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	1.1955

Click this hyperlink while viewing on your computer to access
7 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1998
Gen EPA ID:	CAD983652827
Shipment Date:	19981019
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981023
Manifest ID:	98566893
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980730
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980803
Manifest ID:	98171212
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station

SNOW WHITE CLEANERS (Continued) **1000819307**

Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980507
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980511
Manifest ID:	97364535
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2925
Waste Quantity:	585
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980209
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980216
Manifest ID:	97401595
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Additional Info:

Year:	1994
Gen EPA ID:	CAD983652827
Shipment Date:	19941214
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941214
Manifest ID:	95077756
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941214
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941214
Manifest ID:	95077756
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941206
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941206
Manifest ID:	93796427
Trans EPA ID:	ILD984908202

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941116
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941116
Manifest ID:	93765159
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941017
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941017
Manifest ID:	95079350
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940823
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940823
Manifest ID:	93466500
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940726
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940726
Manifest ID:	93676946
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19940629
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940629
Manifest ID:	93513494
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940601
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940601
Manifest ID:	93646496
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940504
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940504
Manifest ID:	93549661
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD983652827
Shipment Date:	19961217
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19961217
Manifest ID:	96472340
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961107
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19961107
Manifest ID:	96493244
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960925
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960925
Manifest ID:	96509963
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960925
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960925
Manifest ID:	96509963
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19960717
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960717
Manifest ID:	96100715
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960524
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960524
Manifest ID:	96087581
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960307
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960308
Manifest ID:	96255750
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960110
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960110
Manifest ID:	95829779
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD983652827
Shipment Date:	19931213
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931213
Manifest ID:	93029347
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931118
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931118
Manifest ID:	93134290
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931019
Creation Date:	9/13/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93095223
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19930922
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93082618
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930826
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930826
Manifest ID:	93037171
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930628
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930628
Manifest ID:	92568169
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930604
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92609138
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.1275
Waste Quantity:	255
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD983652827
Shipment Date:	20060623
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060628
Manifest ID:	25037509
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060623
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060628
Manifest ID:	25037509
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060623
Creation Date:	9/8/2006 18:31:20
Receipt Date:	20060628
Manifest ID:	25037509
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	20060510
Creation Date:	8/10/2006 18:36:07
Receipt Date:	20060515
Manifest ID:	25021849
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060510
Creation Date:	8/10/2006 18:36:07
Receipt Date:	20060515
Manifest ID:	25021849
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060202
Creation Date:	5/5/2006 18:31:40
Receipt Date:	20060207
Manifest ID:	24358170
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD983652827
Shipment Date:	20001115
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001120
Manifest ID:	20286044
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.104
Waste Quantity:	208
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001115
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001120
Manifest ID:	20286044
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000718
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000721
Manifest ID:	99664820
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000308
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000313
Manifest ID:	99873735
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	20000308
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000313
Manifest ID:	99873735
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD983652827

Shipment Date:	19951116
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951116
Manifest ID:	95773330
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950922
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95565589
Trans EPA ID:	ILD984908202

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950922
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950922
Manifest ID:	95565589
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950803
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950803
Manifest ID:	95633738
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950803
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950803
Manifest ID:	95633738
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950605
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950605
Manifest ID:	95416978
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19950411
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950411
Manifest ID:	95095032
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950310
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950310
Manifest ID:	95094052
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950207
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950207
Manifest ID:	95050421
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950207
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950207
Manifest ID:	95050421
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD983652827
Shipment Date:	19991213
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99532229
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991130
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991203
Manifest ID:	99019405
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990916
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19990922
Manifest ID:	99502863
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19990629
Creation Date:	9/21/1999 0:00:00
Receipt Date:	19990701
Manifest ID:	99237403
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990325
Creation Date:	5/20/1999 0:00:00
Receipt Date:	19990330
Manifest ID:	98668247
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990325
Creation Date:	5/20/1999 0:00:00
Receipt Date:	19990330
Manifest ID:	98668247
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990112
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990114
Manifest ID:	98628333
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2925
Waste Quantity:	585
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD983652827
Shipment Date:	20070601
Creation Date:	10/11/2007 18:30:06
Receipt Date:	20070606
Manifest ID:	000501699SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002

SNOW WHITE CLEANERS (Continued) **1000819307**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5525
Waste Quantity:	1105
Quantity Unit:	P
Additional Code 1:	D040
Additional Code 2:	D039
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070601
Creation Date:	10/11/2007 18:30:06
Receipt Date:	20070606
Manifest ID:	000501699SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	D040
Additional Code 2:	D039
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070329
Creation Date:	8/19/2007 18:30:27
Receipt Date:	20070402
Manifest ID:	000251705SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	D040
Additional Code 2:	D039

SNOW WHITE CLEANERS (Continued) **1000819307**

Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070329
Creation Date:	8/19/2007 18:30:27
Receipt Date:	20070402
Manifest ID:	000251705SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD983652827
Shipment Date:	19971219
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971219
Manifest ID:	97355969
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	396
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

Shipment Date:	19971109
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971105
Manifest ID:	96760266
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971105
Creation Date:	3/18/1998 0:00:00
Receipt Date:	Not reported
Manifest ID:	96760266
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970911
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970911
Manifest ID:	96855663
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053

SNOW WHITE CLEANERS (Continued) **1000819307**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970911
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970911
Manifest ID:	96855663
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970709
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970709
Manifest ID:	95948919
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P

SNOW WHITE CLEANERS (Continued) **1000819307**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970709
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970709
Manifest ID:	95948919
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970528
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970528
Manifest ID:	96619654
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970404
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970404

SNOW WHITE CLEANERS (Continued) **1000819307**

Manifest ID:	96817305
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970203
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970203
Manifest ID:	96367460
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983652827
Shipment Date:	20011012
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011016
Manifest ID:	21382386
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

SNOW WHITE CLEANERS (Continued) **1000819307**

TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011012
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011016
Manifest ID:	21382386
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010821
Creation Date:	10/23/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	99798942
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195

SNOW WHITE CLEANERS (Continued) **1000819307**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010501
Creation Date:	7/20/2001 0:00:00
Receipt Date:	20010504
Manifest ID:	20635429
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0975
Waste Quantity:	195
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010501
Creation Date:	7/20/2001 0:00:00
Receipt Date:	20010504
Manifest ID:	20635429
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	SNOW WHITE CLEANERS

SNOW WHITE CLEANERS (Continued) **1000819307**

Address:	610 SAN PABLO AVE.
City,State,Zip:	PINOLE, CA 94564
Site ID:	230614
CERS ID:	SL0601331885
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARTIN MUSONGE - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	O'REILLY AUTO PARTS #3495
Address:	610 SAN PABLO AVE STE L
City,State,Zip:	PINOLE, CA 94564
Site ID:	594136
CERS ID:	10881199
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Verisk 3E, Reg Dept/O'Reilly Auto Parts, 3207 Grey Hawk Ct, Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Kristian Babick, Agent for O Reilly Auto Enterprises, L.L.C.
Entity Title:	Regulatory Compliance Coordinator, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Services/CVS
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Ct., Ste. 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	O Reilly Auto Enterprises, L.L.C.

SNOW WHITE CLEANERS (Continued) **1000819307**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (417) 862-3333,

Affiliation Type Desc: Parent Corporation
Entity Name: O'Reilly Auto Parts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Legal Owner
Entity Name: O Reilly Auto Enterprises, L.L.C.
Entity Title: Not reported
Affiliation Address: 233 S Patterson Ave
Affiliation City: Springfield
Affiliation State: MO
Affiliation Country: United States
Affiliation Zip: 65802
Affiliation Phone: (417) 862-3333,

Affiliation Type Desc: Document Preparer
Entity Name: Kristian Babick, Agent for O Reilly Auto Enterprises, L.L.C.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: SNOW WHITE CLEANERS
Address: 610 SAN PABLO AVENUE UNIT J
City,State,Zip: PINOLE, CA 94564-2621
Site ID: 494849
CERS ID: 110001158817
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Regional Board Caseworker

SNOW WHITE CLEANERS (Continued) **1000819307**

Entity Name:	MARTIN MUSONGE SAN FRANCISCO BAY RWQCB REGN 2ND
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET
Affiliation City:	OAKLAND
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	PRITAM DHALIWAL
Entity Title:	Not reported
Affiliation Address:	610 SAN PABLO AVE
Affiliation City:	PINOLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	SNOW WHITE CLEANERS
Address:	610 SAN PABLO AVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAD983652827
Inactive Date:	06/30/1999
Create Date:	11/19/1992
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	610 SAN PABLO AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 945642621
Owner Name:	SNOW WHITE ENTERPRISES LLC
Owner Address:	610 SAN PABLO W
Owner Address 2:	Not reported
Owner City,State,Zip:	PINOLE, CA 945910000
Contact Name:	ENVIRONMENTAL MGR
Contact Address:	610 SAN PABLO AVE
Contact Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945640000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	38.003456
Longitude:	-122.316121

Name:	O'REILLY AUTO PARTS 3495
Address:	610 SAN PABLO AVE STE L
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000437049
Inactive Date:	Not reported
Create Date:	06/20/2018
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	233 S PATTERSON

SNOW WHITE CLEANERS (Continued) **1000819307**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	SPRINGFIELD, MO 658020000
Owner Name:	O'REILLY AUTO PARTS
Owner Address:	233 S PATTERSON
Owner Address 2:	Not reported
Owner City,State,Zip:	SPRINGFIELD, MO 658020000
Contact Name:	JOHN BOUNDS
Contact Address:	233 S. PATTERSON AVE.
Contact Address 2:	Not reported
City,State,Zip:	SPRINGFIELD, MO 65802
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	38.00346787
Longitude:	-122.31479

NAICS:

EPA ID:	CAL000437049
Create Date:	2018-06-20 11:42:17.717
NAICS Code:	441310
NAICS Description:	Automotive Parts and Accessories Stores
Issued EPA ID Date:	2018-06-20 11:42:17.68700
Inactive Date:	Not reported
Facility Name:	O'REILLY AUTO PARTS 3495
Facility Address:	610 SAN PABLO AVE STE L
Facility Address 2:	Not reported
Facility City:	PINOLE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94564

M74 **HERCULES PROPERTIES, LTD.** **HIST Cal-Sites** **S100833246**
ENE **560 RAILROAD AVENUE** **CA BOND EXP. PLAN** **N/A**
1/2-1 **HERCULES, CA 94597**
0.687 mi.
3628 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
8 ft.

Calsite:

Name:	HERCULES PROPERTIES, LTD.
Address:	560 RAILROAD AVENUE
City:	HERCULES
Region:	BERKELEY
Facility ID:	07280016
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	NC
Branch Name:	NORTH COAST
File Name:	Not reported
State Senate District:	06091997
Status:	CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED, REMEDIATION CONTINUES
Status Name:	CERTIFIED / OPERATION & MAINTENANCE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	28
SIC Name:	MANU - CHEMICALS & ALLIED PRODUCTS
Access:	Not reported

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Confirmed
Staff Member Responsible for Site:	RSUNGA
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	SF
Region Water Control Board Name:	SAN FRANCISCO BAY
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	11
State Senate District Code:	07
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	IORSE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301985
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	CHEM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09301985
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	RAO
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301986
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01201987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	AMEND

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05061991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	PRP
Activity Name:	POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code:	BASE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11201991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	PRILL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03101993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	16
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	CLEANUP OF THE PRILL WAREHOUSE. 1912 GALLONS AND 34,913 LBS REMOVED.
For Commercial Reuse:	0
For Industrial Reuse:	0

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	PART
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04121993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04211993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	PART
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Comments Date:	06141993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	SETTL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12081993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NEGD
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06171994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OUA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06241994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	I&SE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09151994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OUB
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11141994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	DES
Activity Name:	DESIGN
AWP Code:	OUA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12281994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	OU1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02181997
Est Person-Yrs to complete:	0
Estimated Size:	M

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	37400
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	X
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	25 WELLS WERE ABANDONED. IN ADDITION TO 60,600 TONS OF CONTAMINATEDSOIL BE REMOVED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06091997
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	11
For Residential Reuse:	155
Unknown Type:	0
Facility ID:	07280016
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SUMP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12101996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	2
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04072003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06281996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

AWP Code:	OM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05201997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	PLAN
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02181997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	SETTL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10221997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	F&P
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06011987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	PPA
Activity Name:	PROSPECTIVE PURCHASER AGREEMENT
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11222000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	PPA
Activity Name:	PROSPECTIVE PURCHASER AGREEMENT
AWP Code:	AMEND
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02012001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	VCONS
Activity Name:	VCA - CONSULTATION
AWP Code:	BIXBY
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	07152006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	07280016
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03312008

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	560 RAILROAD AVENUE
Alternate City,St,Zip:	HERCULES, CA 94547
Background Info:	The site consists of approximately 167 acres and once was a portion of a 1,300-acre site that was operated as a munitions and fertilizer manufacturing facility by various owners from the late 1800's to the late 1970's.
Comments Date:	01201987
Comments:	Completed Site Screening. The plant buildings were cleaned up
Comments Date:	01201987
Comments:	in accordance with DTSC requirements. The site was split into
Comments Date:	01201987
Comments:	two major Operable Units (OUs). OU-A consisted of the site
Comments Date:	01201987
Comments:	soils and was further subdivided ino 6 sub-OUs (OU-1 through
Comments Date:	01201987
Comments:	OU-6). OU-B combines Refugio Creek, Bay sediments and
Comments Date:	01201987
Comments:	groundwater. Metals were detected in soil and groundwater.
Comments Date:	02012001
Comments:	Amended PPA.
Comments Date:	02181997
Comments:	Approved O&M Plan.
Comments Date:	03101993
Comments:	Completed RA.
Comments Date:	04072003
Comments:	Completed Five-Year Review.
Comments Date:	04211993
Comments:	Completed RIFS for OU-1.
Comments Date:	05061991
Comments:	Issued I&SE Order.
Comments Date:	06011987
Comments:	Issued Fence & Post Order.
Comments Date:	06091997
Comments:	Certified Site. All sub-OUs were remediated to residential
Comments Date:	06091997
Comments:	standards, except OU-3 (Deed Restricted to industrial/commercial
Comments Date:	06091997
Comments:	use only). No further action is required for OU-B.
Comments Date:	06241994

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

Comments:	Approved RAP for OU-A requiring the excavation and Off-site
Comments Date:	06241994
Comments:	disposal of metal contaminated soil and the demolition of the
Comments Date:	06241994
Comments:	nitric acid plant.
Comments Date:	06281996
Comments:	Recorded Deed Restriction for OU-3 allowing only industrial or
Comments Date:	06281996
Comments:	commercial uses.
Comments Date:	06301985
Comments:	Issued I or SE Determination and Order requiring immediate
Comments Date:	06301985
Comments:	cleanup of one of the inactive plant buildings. Various
Comments Date:	06301985
Comments:	chemicals and wastes were stored in these buildings.
Comments Date:	06301986
Comments:	Issued RAO.
Comments Date:	07301989
Comments:	Amended Order.
Comments Date:	09301985
Comments:	Completed RA.
Comments Date:	11141994
Comments:	Completed RIFS for OU-B. Metals in groundwater were detected in
Comments Date:	11141994
Comments:	isolated areas.
Comments Date:	11201991
Comments:	Conducted Potential Responsible Party search.
Comments Date:	11222000
Comments:	Signed PPA.
Comments Date:	12281994
Comments:	Approved Design for OU-A. All sub-OUs were remediated to
Comments Date:	12281994
Comments:	residential standards with the exception of OU-3, which required
Comments Date:	12281994
Comments:	a deed restriction allowing only industrial or commercial uses.
Comments Date:	12301989
Comments:	Completed Public Participation Plan.
ID Name:	CALSTARS CODE
ID Value:	200045
ID Name:	BEP DATABASE PCODE
ID Value:	P21028
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAT080012297
Alternate Name:	HERCULES POWDER WORKS
Alternate Name:	HERCULES PROPERTIES, LTD.
Alternate Name:	HERCULES PROPERTIES, INC.
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

CA BOND EXP. PLAN:

Reponsible Party:	RESPONSIBLE PARTY-LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The RPs are currently in compliance with an order issued by DHS in June, 1986. DHS has budgeted $50,000 for oversight/monitoring of the RP's remediation

HERCULES PROPERTIES, LTD. (Continued) **S100833246**

activities. DHS will seek cost recovery of 100 percent of direct costs plus staff costs and overhead related to the project. The RPs will pay all costs associated with investigation and remediation.

Site Description: This site is an inoperative nitroform fertilizer plant. The site is located on a portion of land used by the Hercules Powder Company where explosives were manufactured.

Hazardous Waste Desc: Concentrated acids, caustics, heavy metals and absestos have been identified onsite.

Threat To Public Health & Env: The site is located on San Pablo Bay adjacent to a residential area. Direct contact with the contaminants is possible. Ground water migration is possible, although it has not yet been detected. The site extends to San Pablo Bay and those using the shoreline for recreational purposes might gain access to the site.

Site Activity Status: Several phases of remedial investigation have been completed; more investigation may be required if background levels of contaminants are not established by results of recently completed work.

M75 **HERCULES PROPERTIES INC** **RESPONSE** **S103967637**
ENE **560 RAILROAD AVE** **ENVIROSTOR** **N/A**
1/2-1 **HERCULES, CA 94547** **DEED**
0.687 mi. **Cortese**
3628 ft. **Site 2 of 2 in cluster M** **HIST CORTESE**
CONTRA COSTA CO. SITE LIST

Relative:
Lower

Actual:
8 ft.

RESPONSE:

Name:	HERCULES PROPERTIES, LTD.
Address:	560 RAILROAD AVENUE
City,State,Zip:	HERCULES, CA 94547
Facility ID:	07280016
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	167
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Claude Jemison
Supervisor:	Julie Pettijohn
Division Branch:	Cleanup Berkeley
Site Code:	201950
Site Mgmt. Req.:	DAY, ELD, HOS, LUC, EX, GW, OIL, HS, SCH, FOOD, RES
Assembly:	15
Senate:	09
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	06/09/1997
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	38.02071
Longitude:	-122.2885
APN:	404-010-004, 404-010-005, 404-010-006, 404-020-034, 404-020-037, 404-030-019, 404-030-022, 404010005
Past Use:	MANUFACTURING - OTHER
Potential COC :	Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL Cadmium and compounds Chromium III Copper and compounds Mercury and compounds Nickel Zinc
Confirmed COC:	Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Cadmium and compounds Chromium III Copper and compounds Mercury and compounds Nickel TPH-MOTOR OIL Zinc

HERCULES PROPERTIES INC (Continued) **S103967637**

Potential Description:	SOIL
Alias Name:	Bixby
Alias Type:	Alternate Name
Alias Name:	HERCULES POWDER WORKS
Alias Type:	Alternate Name
Alias Name:	HERCULES PROPERTIES, INC.
Alias Type:	Alternate Name
Alias Name:	404-010-004
Alias Type:	APN
Alias Name:	404-010-005
Alias Type:	APN
Alias Name:	404-010-006
Alias Type:	APN
Alias Name:	404-020-034
Alias Type:	APN
Alias Name:	404-020-037
Alias Type:	APN
Alias Name:	404-030-019
Alias Type:	APN
Alias Name:	404-030-022
Alias Type:	APN
Alias Name:	404010005
Alias Type:	APN
Alias Name:	CAT080012297
Alias Type:	EPA Identification Number
Alias Name:	110012209733
Alias Type:	EPA (FRS #)
Alias Name:	P21028
Alias Type:	PCode
Alias Name:	200045
Alias Type:	Project Code (Site Code)
Alias Name:	201950
Alias Type:	Project Code (Site Code)
Alias Name:	07280016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	03/14/2018
Comments:	Not reported

Completed Area Name:	OU-3
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/27/2013
Comments:	Agreement between DTSC and City of Hercules, owner of OU-3 wetlands parcel with deed restriction. City of Hercules will submit a revised toxicological risk assessment to DTSC for review and comment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Demand
Completed Date:	07/26/2013
Comments:	First overdue notice for invoice 12SM3780.

Completed Area Name:	OU-3

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/11/2014
Comments: DTSC letter to City of Hercules (property owner) recommending investigation of asbestos containing material found at site.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 03/14/2014
Comments: Hazard Appraisal and Recognition Plan presite visit form for site. Potential dangers recognized include crossing active railroad tracks. DTSC personnel will only cross tracks using level D safety gear including orange safety vest and only with Union Pacific Railroad flagger present.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/08/2016
Comments: DTSC personnel performed an annual site inspection at Operable Unit 3 (OU-3) of the Site on November 16, 2016 to verify compliance with the Land Use Covenant. The Land Use Covenant was recorded with Contra Costa County because soil contaminated with arsenic, lead, mercury and total petroleum hydrocarbons above levels that would allow for unrestricted land use remain on OU-3. The Land Use Covenant restricts OU-3 to commercial/industrial land use. OU-3 was observed to be vacant during the site inspection. The conditions at OU-3 during the time of the site inspection were determined to be consistent with the restrictions and requirements of the Land Use Covenant.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/19/2018
Comments: DTSC personnel conducted a site inspection on December 7, 2018. OU-3 is vacant and overgrown with vegetation. No evidence of activities prohibited by the Land Use Covenant was observed at the OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/24/2015
Comments: Notice of change in DTSC Project Manager.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/19/2014
Comments: Not reported

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/13/2015
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 02/18/1997
Comments: Approved Operation and Maintenance Plan for wetlands restoration at OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/10/1996
Comments: Completed RA for cleanup of sump in the power house building at OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/28/1994
Comments: Approved Design for OU-A. All sub-OUs were remediated to residential standards with the exception of OU-3, which required a deed restriction allowing only industrial or commercial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/14/1994
Comments: Completed RI/FS for OU-B or Groundwater. Metals in groundwater were detected in isolated areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/24/1994
Comments: Approved RAP for OU-A requiring the excavation and Off-site disposal of metal contaminated soil and the demolition of the nitric acid plant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/21/1993
Comments: Completed RI/FS. The site was split into two major Operable Units (OUs) for investigation purposes. OU-A consisted of the site soils and was further subdivided ino 6 sub-OUs (OU-1 through OU-6). OU-B combines Refugio Creek, Bay sediments and groundwater. Metals were detected in soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/10/1993
Comments: Completed Prill warehouse cleanup Completed Prill warehouse RA

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/30/1989
Comments: Completed Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/20/1987
Comments: Completed Site Screening.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/30/1985
Comments: Completed RA for nitrofrom building.

Completed Area Name: OU-8
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 02/05/1993
Comments: Ecological risk assessment results indicate that the metal concentrations in sediments are not toxic to aquatic organisms.

Completed Area Name: OU-7
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/12/1994
Comments: Toxicity study results indicate that metals in sediments at OU-7 or Refugio Creek are not toxic to aquatic organisms.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 05/30/2013
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/18/2013
Comments: Risk assessment submitted to DTSC examining the risks associated with known concentrations of chemicals in soils at the site given the proposed future use of the site as an open space park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/1997
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/13/2013
Comments: Public notice informing the community that the 3rd Five Year Review

HERCULES PROPERTIES INC (Continued) **S103967637**

has been completed and includes a summary of the results of the review. Public notice was published on 6/13/2013 in the Contra Costa Times.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2013
Comments: Letter with schedule of activities at the site and estimated DTSC oversight costs for the 2013-2014 fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/21/2014
Comments: Estimate of DTSC oversight costs for the next fiscal year (July 1, 2014-June 30, 2015).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2015
Comments: Letter to Responsible Parties with DTSC's schedule of activities for next fiscal year (July 1, 2015-June 30, 2016) and cost estimates for DTSC oversight activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/18/2013
Comments: Second overdue notice for invoice 12SM1664.

Completed Area Name: PROJECT WIDE

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/28/2013
Comments: First overdue notice for invoice 12SM1664.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/01/1991
Comments: Fact sheet provides an overview of the cleanup process and past and future activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/31/1992
Comments: Public Health and Environmental Evaluation Report established cleanup levels for soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/27/2014
Comments: Annual inspection of the Site to ensure that site conditions are consistent with the provisions of the recorded Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/17/2015
Comments: An inspection of the deed restricted portions of the site was conducted. No activities inconsistent with the provisions of the deed restriction was observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2009
Comments: Not reported

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/18/2010
Comments: Conclusion: Site continues to meet conditions of LUC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 06/30/1986
Comments: Issued RAO to Hercules Properties, Ltd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 06/30/1985
Comments: Issued ISE Determination requiring immediate cleanup of the inactive nitroform building. Various chemicals and wastes were stored in these buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 11/22/2000
Comments: Signed PPA with The Bixby Company LLC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 02/01/2001
Comments: Amended PPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 06/01/1987
Comments: Issued Fence & Post Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1997
Comments: Amended 1994 ISE RAO for operation and maintenance activities.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/28/1996
Comments: Recorded Deed Restriction for OU-3 allowing only industrial or commercial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/09/1997
Comments: Certified Site cleanup. All sub-OUs were remediated to residential standards, except OU-3 (Deed Restricted to industrial/commercial use

HERCULES PROPERTIES INC (Continued) **S103967637**

only). No further action is required for OU-B.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 09/15/1994
Comments: Amended 1991 I&SE RAO and issued to Hercules Properties, Ltd., Hercules Incorporated and E.I. DuPont de Nemours and Company.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/17/1994
Comments: Issued Negative Declaration for RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/06/1991
Comments: Issued I&SE RAO to Hercules Properties, Ltd. and Hercules Incorporated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/30/1989
Comments: Amended Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/12/2008
Comments: Completed site inspection report for compliance with Land Use Covenant. Property owner is in compliance with restrictions on property

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/02/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 04/07/2003
Comments: Completed 1st Five-Year Review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 07/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Date: 10/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2020
Comments: Emailed annual cost estimate letter on 10/7/2020. -EC

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: HERCULES PROPERTIES, LTD.
Address: 560 RAILROAD AVENUE
City,State,Zip: HERCULES, CA 94547
Facility ID: 07280016
Status: Certified / Operation & Maintenance
Status Date: 06/09/1997
Site Code: 201950
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 167
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Claude Jemison
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 09
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: DAY, ELD, HOS, LUC, EX, GW, OIL, HS, SCH, FOOD, RES
Funding: Responsible Party
Latitude: 38.02071
Longitude: -122.2885
APN: 404-010-004, 404-010-005, 404-010-006, 404-020-034, 404-020-037, 404-030-019, 404-030-022, 404010005
Past Use: MANUFACTURING - OTHER
Potential COC: Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL Cadmium and compounds Chromium III Copper and compounds Mercury and compounds Nickel Zinc
Confirmed COC: Arsenic Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic

HERCULES PROPERTIES INC (Continued) **S103967637**

hydrocarbons (PAHs Cadmium and compounds Chromium III Copper and compounds Mercury and compounds Nickel TPH-MOTOR OIL Zinc

Potential Description: SOIL

Alias Name:	Bixby
Alias Type:	Alternate Name
Alias Name:	HERCULES POWDER WORKS
Alias Type:	Alternate Name
Alias Name:	HERCULES PROPERTIES, INC.
Alias Type:	Alternate Name
Alias Name:	404-010-004
Alias Type:	APN
Alias Name:	404-010-005
Alias Type:	APN
Alias Name:	404-010-006
Alias Type:	APN
Alias Name:	404-020-034
Alias Type:	APN
Alias Name:	404-020-037
Alias Type:	APN
Alias Name:	404-030-019
Alias Type:	APN
Alias Name:	404-030-022
Alias Type:	APN
Alias Name:	404010005
Alias Type:	APN
Alias Name:	CAT080012297
Alias Type:	EPA Identification Number
Alias Name:	110012209733
Alias Type:	EPA (FRS #)
Alias Name:	P21028
Alias Type:	PCode
Alias Name:	200045
Alias Type:	Project Code (Site Code)
Alias Name:	201950
Alias Type:	Project Code (Site Code)
Alias Name:	07280016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	03/14/2018
Comments:	Not reported

Completed Area Name:	OU-3
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/27/2013
Comments:	Agreement between DTSC and City of Hercules, owner of OU-3 wetlands parcel with deed restriction. City of Hercules will submit a revised toxicological risk assessment to DTSC for review and comment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Demand
Completed Date:	07/26/2013
Comments:	First overdue notice for invoice 12SM3780.

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/11/2014
Comments: DTSC letter to City of Hercules (property owner) recommending investigation of asbestos containing material found at site.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 03/14/2014
Comments: Hazard Appraisal and Recognition Plan presite visit form for site. Potential dangers recognized include crossing active railroad tracks. DTSC personnel will only cross tracks using level D safety gear including orange safety vest and only with Union Pacific Railroad flagger present.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/08/2016
Comments: DTSC personnel performed an annual site inspection at Operable Unit 3 (OU-3) of the Site on November 16, 2016 to verify compliance with the Land Use Covenant. The Land Use Covenant was recorded with Contra Costa County because soil contaminated with arsenic, lead, mercury and total petroleum hydrocarbons above levels that would allow for unrestricted land use remain on OU-3. The Land Use Covenant restricts OU-3 to commercial/industrial land use. OU-3 was observed to be vacant during the site inspection. The conditions at OU-3 during the time of the site inspection were determined to be consistent with the restrictions and requirements of the Land Use Covenant.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/19/2018
Comments: DTSC personnel conducted a site inspection on December 7, 2018. OU-3 is vacant and overgrown with vegetation. No evidence of activities prohibited by the Land Use Covenant was observed at the OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/24/2015
Comments: Notice of change in DTSC Project Manager.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/19/2014
Comments: Not reported

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/13/2015
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 02/18/1997
Comments: Approved Operation and Maintenance Plan for wetlands restoration at OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/10/1996
Comments: Completed RA for cleanup of sump in the power house building at OU-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/28/1994
Comments: Approved Design for OU-A. All sub-OUs were remediated to residential standards with the exception of OU-3, which required a deed restriction allowing only industrial or commercial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/14/1994
Comments: Completed RI/FS for OU-B or Groundwater. Metals in groundwater were detected in isolated areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/24/1994
Comments: Approved RAP for OU-A requiring the excavation and Off-site disposal of metal contaminated soil and the demolition of the nitric acid plant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/21/1993
Comments: Completed RI/FS. The site was split into two major Operable Units (OUs) for investigation purposes. OU-A consisted of the site soils and was further subdivided ino 6 sub-OUs (OU-1 through OU-6). OU-B combines Refugio Creek, Bay sediments and groundwater. Metals were detected in soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/10/1993
Comments: Completed Prill warehouse cleanup Completed Prill warehouse RA

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/30/1989
Comments: Completed Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/20/1987
Comments: Completed Site Screening.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/30/1985
Comments: Completed RA for nitrofrom building.

Completed Area Name: OU-8
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 02/05/1993
Comments: Ecological risk assessment results indicate that the metal concentrations in sediments are not toxic to aquatic organisms.

Completed Area Name: OU-7
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/12/1994
Comments: Toxicity study results indicate that metals in sediments at OU-7 or Refugio Creek are not toxic to aquatic organisms.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 05/30/2013
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/18/2013
Comments: Risk assessment submitted to DTSC examining the risks associated with known concentrations of chemicals in soils at the site given the proposed future use of the site as an open space park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/1997
Comments: Not reported

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/13/2013
Comments: Public notice informing the community that the 3rd Five Year Review

HERCULES PROPERTIES INC (Continued) **S103967637**

has been completed and includes a summary of the results of the review. Public notice was published on 6/13/2013 in the Contra Costa Times.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2013
Comments: Letter with schedule of activities at the site and estimated DTSC oversight costs for the 2013-2014 fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/21/2014
Comments: Estimate of DTSC oversight costs for the next fiscal year (July 1, 2014-June 30, 2015).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2015
Comments: Letter to Responsible Parties with DTSC's schedule of activities for next fiscal year (July 1, 2015-June 30, 2016) and cost estimates for DTSC oversight activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/18/2013
Comments: Second overdue notice for invoice 12SM1664.

Completed Area Name: PROJECT WIDE

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/28/2013
Comments: First overdue notice for invoice 12SM1664.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/01/1991
Comments: Fact sheet provides an overview of the cleanup process and past and future activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/31/1992
Comments: Public Health and Environmental Evaluation Report established cleanup levels for soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/27/2014
Comments: Annual inspection of the Site to ensure that site conditions are consistent with the provisions of the recorded Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/17/2015
Comments: An inspection of the deed restricted portions of the site was conducted. No activities inconsistent with the provisions of the deed restriction was observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/01/2009
Comments: Not reported

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/18/2010
Comments: Conclusion: Site continues to meet conditions of LUC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 06/30/1986
Comments: Issued RAO to Hercules Properties, Ltd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 06/30/1985
Comments: Issued ISE Determination requiring immediate cleanup of the inactive nitroform building. Various chemicals and wastes were stored in these buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 11/22/2000
Comments: Signed PPA with The Bixby Company LLC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 02/01/2001
Comments: Amended PPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 06/01/1987
Comments: Issued Fence & Post Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1997
Comments: Amended 1994 ISE RAO for operation and maintenance activities.

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/28/1996
Comments: Recorded Deed Restriction for OU-3 allowing only industrial or commercial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/09/1997
Comments: Certified Site cleanup. All sub-OUs were remediated to residential standards, except OU-3 (Deed Restricted to industrial/commercial use

HERCULES PROPERTIES INC (Continued) **S103967637**

only). No further action is required for OU-B.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 09/15/1994
Comments: Amended 1991 I&SE RAO and issued to Hercules Properties, Ltd., Hercules Incorporated and E.I. DuPont de Nemours and Company.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/17/1994
Comments: Issued Negative Declaration for RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/06/1991
Comments: Issued I&SE RAO to Hercules Properties, Ltd. and Hercules Incorporated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/30/1989
Comments: Amended Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/12/2008
Comments: Completed site inspection report for compliance with Land Use Covenant. Property owner is in compliance with restrictions on property

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/02/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 04/07/2003
Comments: Completed 1st Five-Year Review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 07/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

HERCULES PROPERTIES INC (Continued) **S103967637**

Completed Date: 10/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2020
Comments: Emailed annual cost estimate letter on 10/7/2020. -EC

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: HERCULES PROPERTIES, LTD.
Address: 560 RAILROAD AVENUE
City,State,Zip: HERCULES, CA 94547
Envirostor ID: 7280016
Area: OU-3
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: HERCULES PROPERTIES, LTD.
Address: 560 RAILROAD AVENUE
City,State,Zip: HERCULES, CA 94547
Region: CORTESE
Envirostor Id: 7280016
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS
Status Date: 06/09/1997
Site Code: 200045, 201950
Latitude: 38.020712
Longitude: -122.28851
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor

HERCULES PROPERTIES INC (Continued) **S103967637**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

HIST CORTESE:

edr_fname:	HERCULES PROPERTIES, LTD
edr_fadd1:	560 RAILROAD
City,State,Zip:	HERCULES, CA 94547
Region:	CORTESE
Facility County Code:	7
Reg By:	CALSI
Reg Id:	07280016

CONTRA COSTA CO. SITE LIST:

Name:	HERCULES PROPERTIES INC
Address:	560 RAILROAD AVE
City:	HERCULES
Facility ID:	FA0033434
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP GENERAL
Region:	CONTRA COSTA
Cupa Number:	770922
CERS ID:	10010830

Name:	HERCULES PROPERTIES INC
Address:	560 RAILROAD AVE
City:	HERCULES
Facility ID:	FA0033434
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	770922
CERS ID:	10010830

Name:	HERCULES PROPERTIES INC
Address:	560 RAILROAD AVE
City:	HERCULES
Facility ID:	FA0033434
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	770922
CERS ID:	10010830

76 SSE 1/2-1 0.843 mi. 4451 ft.

Relative: Higher

Actual: 236 ft.

APPIAN 80 EXPRESS CLEANERS
1577 TARA HILLS DR
PINOLE, CA 94564

ENVIROSTOR
VCP
CERS HAZ WASTE
DRYCLEANERS
EMI
HAZNET
CONTRA COSTA CO. SITE LIST
CERS
HWTS

1002848401
N/A

ENVIROSTOR:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DRIVE
City,State,Zip:	PINOLE, CA 94564
Facility ID:	60001904
Status:	Active
Status Date:	07/16/2013
Site Code:	201977
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.42
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Parag Shah
Supervisor:	Whitney Smith
Division Branch:	Cleanup Berkeley
Assembly:	15
Senate:	09
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.99518
Longitude:	-122.3035
APN:	402282002
Past Use:	DRY CLEANING
Potential COC:	Benzene Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis
Confirmed COC:	30003-NO 30022-NO 30025-NO 30193-NO 30195-NO 30027-NO
Potential Description:	IA, SOIL, SV, UE
Alias Name:	402282002
Alias Type:	APN
Alias Name:	201977
Alias Type:	Project Code (Site Code)
Alias Name:	60001904
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/17/2013
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/17/2013
Comments:	DTSC did not provide oversight for this activity. DTSC has NOT

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 07/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 04/11/2014
Comments: The report was approved. The report detailed the installation of 2 wells and sampling results. A scoping meeting was held in March to determine the next steps for the project.

Completed Area Name: PROJECT WIDE

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/26/2014
Comments: Letter hand delivered at Scoping Meeting on March 26,2014. Letter informs DTSC that a Federal lawsuit has been filed- Case Number C-11-06610 EDL on 02/14/2011 for former owners and operators of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 03/26/2014
Comments: Meeting was held from 1:30 PM to 4:30 PM. Discussion covered the next steps for the site. A VCA amendment will be needed to cover the scope of work and new cost estimate. The next step will be a Pilot test workplan for a DPE system with additional wells for at least 2 months. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Schedule and cost estimate of DTSC oversight activities at the site for the 2015/2016 fiscal year (July 1, 2015-June 30, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/24/2014
Comments: Amendment to VCA to expand scope of work to include interim removal action workplan, CEQA, public participation and implementation of the interim removal action workplan. The advance payment was also increased to accommodate the increased scope of work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2014
Comments: DTSC estimate of DTSC's oversight costs for the 2014/2015 fiscal year from July 1, 2014 to June 30, 2015. Estimate is based on schedule of expected activities, estimates of DTSC staff hours for each activity and DTSC's contract estimation rates for the fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/11/2018
Comments: Final NOE was stamped before the public comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Document Type: Pre-HARP Form
Completed Date: 02/06/2015
Comments: HARP form to recognize and prevent potential health and safety threats on a field visit. Potential threats include PCE, TCE, heavy drilling and excavating equipment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 03/26/2015
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2013
Comments: Drilled 2 wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 11/22/2013
Comments: GSU approved the plan and letter was signed by Dan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/31/2013
Comments: VCA signed on October 31, 2013. It included reviewing existing documentation, and a well installation workplan besides the VCA. A check is being sent to Sacramento for the deposit of $ 12,000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/13/2013
Comments: Letter sent to RP about the approved SVE system by the BAAQMD and DTSC's no objection to the system. The system is NOT a final remedy for the site. The proposed SVE sytem was not reviewed by DTSC. The purpose is to have the City of Pinole to approve permits for SVE installation. DTSC did not object to the occupancy of the four tenant spaces. More work may be needed. Changes and modifications may be required as DTSC's process continues to evaluate the contaminants of concern at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/20/2013
Comments: This application to BAAQMD was sent by the RP and consultant prior to

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

lead agency determination. Correspondance back to RP & Consultant dated 05/20/2013. DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy. The date was verbally moved to August 15th for the fees to be paid. See letter from 8-13-2013 sent by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/18/2016
Comments: RP completed further delineation of VOC plume beneath dry cleaner that may extend beneath neighboring unit. Investigation findings will be presented in report for DTSC review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/31/2015
Comments: Soil and groundwater sampling was conducted to delineate the source of soil contamination of tetrachloroethene. Investigation identified an area east of the site along the back wall containing the highest concentrations, up to 1,660 milligrams per kilogram in soil. After consultations between DTSC and consultant, it was agreed that further characterization of contamination at the source area was needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/23/2017
Comments: RP stated that the comments would be addressed in the draft RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 11/03/2020
Comments: Final draft

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2021
Comments: Final DTSC Cost Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: completed fiscal year

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 12/14/2020
Comments: final copy

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 10/19/2015
Comments: Notice informing the community of fieldwork that will be taking place the week of Oct 19th. Soil will be excavated by hand to expose drain lines to collect samples.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/30/2015
Comments: Interim workplan to conduct soil excavation to remove source of volatile organic compound (VOC) and installation of a soil vapor extraction system to prevent intrusion of VOC gases into indoor air. Further characterization of the contamination will be completed after the interim activities and a final cleanup plan will be developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 03/02/2015
Comments: Fact sheet to inform the community about the upcoming interim fieldwork scheduled from March 5. The fieldwork will take place according to the approved workplan, which was developed as a result of investigations that found tetrachloroethene in soil and groundwater beneath the site. Activities that are taking place include excavation of contaminated soil, installation of a soil vapor extraction system, and installation of groundwater monitoring wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/10/2015
Comments: The community profile documents the concerns and potential concerns

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

that the community has or might have regarding health risks and cleanup at the site. It describes anticipated public participation activities. Recommended activities include publishing a notice of the draft Removal Action Workplan, providing a public comment period of 30 days, holding a public meeting if necessary and preparing a response to public comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/30/2017
Comments: Karen DiBiasio, Renato Matrano Jr, and Hongbo Zhu visited the Site and discussed the possible locations for additional monitoring wells with Sharon Squire.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/01/2018
Comments: Office of EJTA determined the tribal consultation process completed for this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2018
Comments: Completed the Appian 80 cost estimate for FY 2018-2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2022
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DRIVE
City,State,Zip:	PINOLE, CA 94564
Facility ID:	60001904
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.42
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Parag Shah
Supervisor:	Whitney Smith
Division Branch:	Cleanup Berkeley
Site Code:	201977
Assembly:	15
Senate:	09
Special Programs Code:	Not reported
Status:	Active
Status Date:	07/16/2013
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.99518 / -122.3035
APN:	402282002
Past Use:	DRY CLEANING
Potential COC:	30003, 30022, 30025, 30027, 30193, 30195
Confirmed COC:	30003-NO,30022-NO,30025-NO,30193-NO,30195-NO,30027-NO
Potential Description:	IA, SOIL, SV, UE
Alias Name:	402282002
Alias Type:	APN
Alias Name:	201977
Alias Type:	Project Code (Site Code)
Alias Name:	60001904
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/17/2013
Comments:	Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 07/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 04/11/2014

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Comments: The report was approved. The report detailed the installation of 2 wells and sampling results. A scoping meeting was held in March to determine the next steps for the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/26/2014
Comments: Letter hand delivered at Scoping Meeting on March 26,2014. Letter informs DTSC that a Federal lawsuit has been filed- Case Number C-11-06610 EDL on 02/14/2011 for former owners and operators of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 03/26/2014
Comments: Meeting was held from 1:30 PM to 4:30 PM. Discussion covered the next steps for the site. A VCA amendment will be needed to cover the scope of work and new cost estimate. The next step will be a Pilot test workplan for a DPE system with additional wells for at least 2 months. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Schedule and cost estimate of DTSC oversight activities at the site for the 2015/2016 fiscal year (July 1, 2015-June 30, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/24/2014
Comments: Amendment to VCA to expand scope of work to include interim removal action workplan, CEQA, public participation and implementation of the interim removal action workplan. The advance payment was also increased to accommodate the increased scope of work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2014
Comments: DTSC estimate of DTSC's oversight costs for the 2014/2015 fiscal year from July 1, 2014 to June 30, 2015. Estimate is based on schedule of expected activities, estimates of DTSC staff hours for each activity and DTSC's contract estimation rates for the fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Date: 04/11/2018
Comments: Final NOE was stamped before the public comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 02/06/2015
Comments: HARP form to recognize and prevent potential health and safety threats on a field visit. Potential threats include PCE, TCE, heavy drilling and excavating equipment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 03/26/2015
Comments: No exposure symptoms noted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/17/2013
Comments: DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2013
Comments: Drilled 2 wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 11/22/2013
Comments: GSU approved the plan and letter was signed by Dan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/31/2013
Comments: VCA signed on October 31, 2013. It included reviewing existing documentation, and a well installation workplan besides the VCA. A check is being sent to Sacramento for the deposit of $ 12,000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/13/2013
Comments: Letter sent to RP about the approved SVE system by the BAAQMD and DTSC's no objection to the system. The system is NOT a final remedy for the site. The proposed SVE sytem was not reviewed by DTSC. The purpose is to have the City of Pinole to approve permits for SVE installation. DTSC did not object to the occupancy of the four tenant spaces. More work may be needed. Changes and modifications may be required as DTSC's process continues to evaluate the contaminants of concern at the site.

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/20/2013
Comments: This application to BAAQMD was sent by the RP and consultant prior to lead agency determination. Correspondance back to RP & Consultant dated 05/20/2013. DTSC did not provide oversight for this activity. DTSC has NOT reviewed this report for technical accuracy. The date was verbally moved to August 15th for the fees to be paid. See letter from 8-13-2013 sent by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/18/2016
Comments: RP completed further delineation of VOC plume beneath dry cleaner that may extend beneath neighboring unit. Investigation findings will be presented in report for DTSC review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/31/2015
Comments: Soil and groundwater sampling was conducted to delineate the source of soil contamination of tetrachloroethene. Investigation identified an area east of the site along the back wall containing the highest concentrations, up to 1,660 milligrams per kilogram in soil. After consultations between DTSC and consultant, it was agreed that further characterization of contamination at the source area was needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/23/2017
Comments: RP stated that the comments would be addressed in the draft RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 11/03/2020
Comments: Final draft

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Date: 10/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2021
Comments: Final DTSC Cost Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: completed fiscal year

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 12/14/2020
Comments: final copy

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 10/19/2015
Comments: Notice informing the community of fieldwork that will be taking place the week of Oct 19th. Soil will be excavated by hand to expose drain lines to collect samples.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/30/2015
Comments: Interim workplan to conduct soil excavation to remove source of volatile organic compound (VOC) and installation of a soil vapor extraction system to prevent intrusion of VOC gases into indoor air. Further characterization of the contamination will be completed after the interim activities and a final cleanup plan will be developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 03/02/2015
Comments: Fact sheet to inform the community about the upcoming interim fieldwork scheduled from March 5. The fieldwork will take place according to the approved workplan, which was developed as a result of investigations that found tetrachloroethene in soil and groundwater beneath the site. Activities that are taking place include excavation of contaminated soil, installation of a soil vapor extraction system, and installation of groundwater monitoring wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/17/2018
Comments: Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/10/2015
Comments: The community profile documents the concerns and potential concerns that the community has or might have regarding health risks and cleanup at the site. It describes anticipated public participation activities. Recommended activities include publishing a notice of the draft Removal Action Workplan, providing a public comment period of 30 days, holding a public meeting if necessary and preparing a response to public comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/30/2017
Comments: Karen DiBiasio, Renato Matrano Jr, and Hongbo Zhu visited the Site and discussed the possible locations for additional monitoring wells with Sharon Squire.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/01/2018
Comments: Office of EJTA determined the tribal consultation process completed for this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2018
Comments: Completed the Appian 80 cost estimate for FY 2018-2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2019
Comments: Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2022
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CERS HAZ WASTE:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 94564
Site ID:	6202
CERS ID:	10010812
CERS Description:	Hazardous Waste Generator

DRYCLEANERS:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 94564
EPA Id:	CAL000283909
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/06/2004
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	JIN S KIM
Owner Address:	441 N WILDWOOD LN
Owner Address 2:	Not reported
Owner Telephone:	5107242388
Contact Name:	JIN KIM
Contact Address:	441 N WILDWOOD LN
Contact Address 2:	Not reported
Contact Telephone:	5107242388
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	1577 TARA HILLS DR
Mailing Address 2:	Not reported
Mailing City:	PINOLE
Mailing State:	CA
Mailing Zip:	94564
Owner Fax:	Not reported
Region Code:	2

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Latitude:	37.995349
Longitude:	-122.302687

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
EPA Id:	CAL000013709
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	11/14/1989
Facility Active:	No
Inactive Date:	06/24/2004
Facility Addr2:	Not reported
Owner Name:	INSOO OH
Owner Address:	--
Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	DEACT PER VQ96-RK
Contact Address:	1577 TARA HILLS DR
Contact Address 2:	Not reported
Contact Telephone:	5107242388
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	1577 TARA HILLS DR
Mailing Address 2:	Not reported
Mailing City:	PINOLE
Mailing State:	CA
Mailing Zip:	945640000
Owner Fax:	Not reported
Region Code:	2
Latitude:	37.995349
Longitude:	-122.302687

EMI:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1990
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1993
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1995
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1996
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1997
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	1998
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 945640000
Year:	2005
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 94564
Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.325
Reactive Organic Gases Tons/Yr:	.13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 94564
Year:	2010
County Code:	7
Air Basin:	SF
Facility ID:	4560
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.32500000000000001
Reactive Organic Gases Tons/Yr:	0.13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	TARA HILLS DRIVE LIMITED LLC
Address:	1577 TARA HILLS DR
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 945642519
Contact:	JEFF MCCLUNG
Telephone:	9259347065
Mailing Name:	Not reported
Mailing Address:	PO BOX 253

Year:	2015
Gepaid:	CAC002834722

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

TSD EPA ID:	CAD980675276
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	56.4

Additional Info:

Year:	2015
Gen EPA ID:	CAC002834722
Shipment Date:	20151215
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151215
Manifest ID:	007437629JJK
Trans EPA ID:	CAR000181560
Trans Name:	REMEDIAL TRANSPORTATION SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	F002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	28.2
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151215
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151215
Manifest ID:	007437628JJK
Trans EPA ID:	CAR000181560
Trans Name:	REMEDIAL TRANSPORTATION SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	F002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	28.2
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CONTRA COSTA CO. SITE LIST:
Name: APPIAN 80 EXPRESS CLEANERS
Address: 1577 TARA HILLS DR
City: PINOLE
Facility ID: FA0033428
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: LESS THAN 1000 LBS
Region: CONTRA COSTA
Cupa Number: 770916
CERS ID: 10010812

Name: APPIAN 80 EXPRESS CLEANERS
Address: 1577 TARA HILLS DR
City: PINOLE
Facility ID: FA0033428
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 770916
CERS ID: 10010812

CERS:
Name: APPIAN 80 EXPRESS CLEANERS
Address: 1577 TARA HILLS DR
City,State,Zip: PINOLE, CA 94564
Site ID: 6202
CERS ID: 10010812
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 10-27-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/05/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 10-27-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/05/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 05-09-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/18/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 03-27-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/04/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Site Address: 1577 TARA HILLS DR
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Site Address: 1577 TARA HILLS DR
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Site Address: 1577 TARA HILLS DR

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	6202
Facility Name:	APPIAN 80 EXPRESS CLEANERS
Env Int Type Code:	FRS-AIR
Program ID:	110001198560
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	37.995490
Longitude:	-122.303440

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Affiliation Type Desc:	Environmental Contact
Entity Name:	JIN SOP KIM
Entity Title:	Not reported
Affiliation Address:	1577 Tara Hills Dr
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	eileen kim
Entity Title:	manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	JIN SOP KIM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(510) 724-2388,

Affiliation Type Desc:	Parent Corporation
Entity Name:	APPIAN 80 EXPRESS CLEANERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	JIN SOP KIM
Entity Title:	Not reported
Affiliation Address:	1577 TARA HILLS DR
Affiliation City:	PINOLE
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	APPIAN 80 EXPRESS CLEANERS
Entity Title:	Not reported
Affiliation Address:	1577 Tara Hills Dr
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Affiliation Zip:	94564
Affiliation Phone:	(510) 724-2388,
Affiliation Type Desc:	Document Preparer
Entity Name:	Amanda Ackerman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	EILEEN CHOI
Entity Title:	CO-OWNER
Affiliation Address:	110 BUXTON CIR
Affiliation City:	PLEASANTHILL
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1577 Tara Hills Dr
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	APPIAN 80 EXPRESS CLNR
Entity Title:	OWNER
Affiliation Address:	110 BUXTON CIR
Affiliation City:	PLEASANTHILL
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DR
City,State,Zip:	PINOLE, CA 94564
Site ID:	6202
CERS ID:	110001198560
CERS Description:	US EPA Air Emission Inventory System (EIS)

Violations:

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Violation Date:	10-27-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Violation Notes: Returned to compliance on 11/05/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 10-27-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/05/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 05-09-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/18/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Violation Date: 03-27-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/04/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Eval Date: 11-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 6202
Site Name: APPIAN 80 EXPRESS CLEANERS
Site Address: 1577 TARA HILLS DR
Site City: PINOLE
Site Zip: 94564
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	03-27-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UNSPEC
Enf Action Source:	CERS,

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	05-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	6202
Site Name:	APPIAN 80 EXPRESS CLEANERS
Site Address:	1577 TARA HILLS DR
Site City:	PINOLE
Site Zip:	94564
Enf Action Date:	10-27-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	6202
Facility Name:	APPIAN 80 EXPRESS CLEANERS
Env Int Type Code:	FRS-AIR
Program ID:	110001198560

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 37.995490
Longitude: -122.303440

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: JIN SOP KIM
Entity Title: Not reported
Affiliation Address: 1577 Tara Hills Dr
Affiliation City: Pinole
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94564
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: eileen kim
Entity Title: manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: JIN SOP KIM
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 724-2388,

Affiliation Type Desc: Parent Corporation
Entity Name: APPIAN 80 EXPRESS CLEANERS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Entity Name:	JIN SOP KIM
Entity Title:	Not reported
Affiliation Address:	1577 TARA HILLS DR
Affiliation City:	PINOLE
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	APPIAN 80 EXPRESS CLEANERS
Entity Title:	Not reported
Affiliation Address:	1577 Tara Hills Dr
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94564
Affiliation Phone:	(510) 724-2388,

Affiliation Type Desc:	Document Preparer
Entity Name:	Amanda Ackerman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	EILEEN CHOI
Entity Title:	CO-OWNER
Affiliation Address:	110 BUXTON CIR
Affiliation City:	PLEASANTHILL
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1577 Tara Hills Dr
Affiliation City:	Pinole
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94564
Affiliation Phone:	,

Affiliation Type Desc:	Facility Owner
Entity Name:	APPIAN 80 EXPRESS CLNR
Entity Title:	OWNER
Affiliation Address:	110 BUXTON CIR
Affiliation City:	PLEASANTHILL
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

APPIAN 80 EXPRESS CLEANERS (Continued) **1002848401**

Affiliation Phone: ,

HWTS:

Name:	APPIAN 80 EXPRESS CLEANERS
Address:	1577 TARA HILLS DRIVE
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAL000031486
Inactive Date:	12/31/1899
Create Date:	05/10/1990
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1577 TARA HILLS DRIVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PINOLE, CA 945640000
Owner Name:	OH IN SOO
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	DEACT PER VQ96-RK
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	37.995349
Longitude:	-122.302687

Name:	TARA HILLS DRIVE LIMITED LLC
Address:	1577 TARA HILLS DR
Address 2:	Not reported
City,State,Zip:	PINOLE, CA 94564
EPA ID:	CAC002834722
Inactive Date:	01/22/2016
Create Date:	10/22/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 253
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALAMO, CA 945070253
Owner Name:	TARA HILLS DRIVE LLC
Owner Address:	PO BOX 253
Owner Address 2:	Not reported
Owner City,State,Zip:	ALAMO, CA 945070253
Contact Name:	JEFF MCCLUNG
Contact Address:	480 LIVORNA RD
Contact Address 2:	Not reported
City,State,Zip:	ALAMO, CA 945071466
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	37.99527
Longitude:	-122.302605

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HERCULES	S123526225	HERCULES INCORPORATED SITE	SAN PABLO AVE NR SYCAMORE	94547	SWF/LF, CERS
RICHMOND	S116165405	CHEVRON LAND AND DEVELOPMENT	BORDERED BY SAN PABLO AVENUE &	94806	ENVIROSTOR
RICHMOND	S107540573		SAN PABLO AT I-80		CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/27/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 90

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/10/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/03/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/11/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/02/2022
Date Data Arrived at EDR: 05/25/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 65

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 96

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/19/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 85

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/11/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/08/2022
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2022
Date Data Arrived at EDR: 03/18/2022
Date Made Active in Reports: 06/08/2022
Number of Days to Update: 82

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2022
Date Data Arrived at EDR: 04/22/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 04/12/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 84

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/24/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/24/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 04/21/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 82

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/03/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 75

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/24/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 88

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 84

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

467803
830 SAN PABLO AVENUE
PINOLE, CA 94564

TARGET PROPERTY COORDINATES

Latitude (North):	38.007891 - 38ˆ 0’ 28.41’’
Longitude (West):	122.307186 - 122ˆ 18’ 25.87’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	560822.6
UTM Y (Meters):	4206711.5
Elevation:	78 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5602140 MARE ISLAND, CA
Version Date:	2012
South Map:	5640624 RICHMOND, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

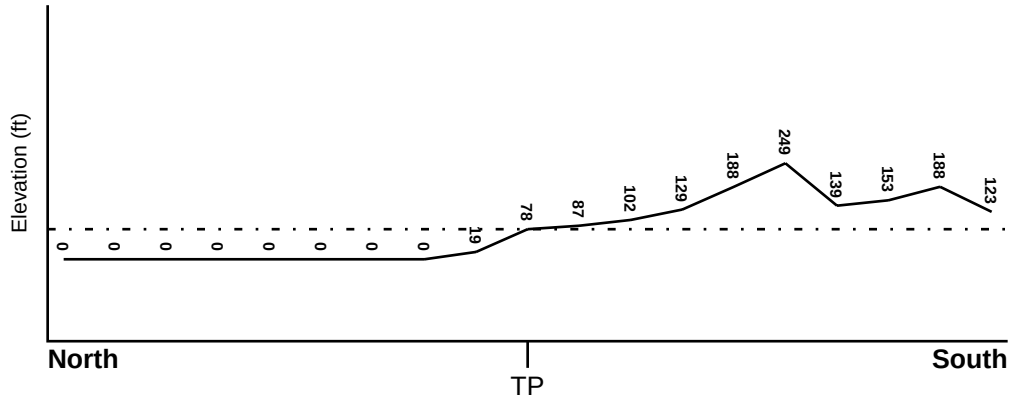
TOPOGRAPHIC INFORMATION

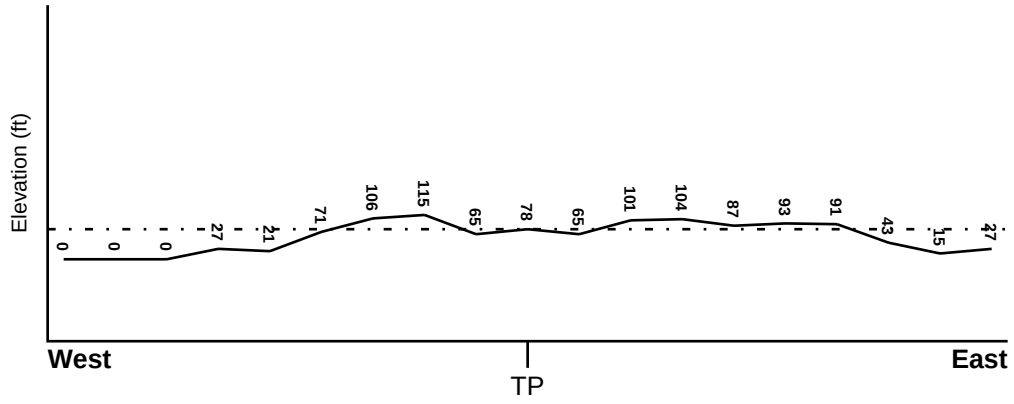
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 78 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06013C0043G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06013C0039G	FEMA FIRM Flood data
06013C0231F	FEMA FIRM Flood data
06013C0227F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MARE ISLAND	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
12	1/4 - 1/2 Mile SW	SW
48	1/2 - 1 Mile WSW	W
C49	1/2 - 1 Mile SSE	Not Reported
1G	1/4 - 1/2 Mile SW	SW
2G	1/2 - 1 Mile WSW	W
3G	1/2 - 1 Mile SSE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

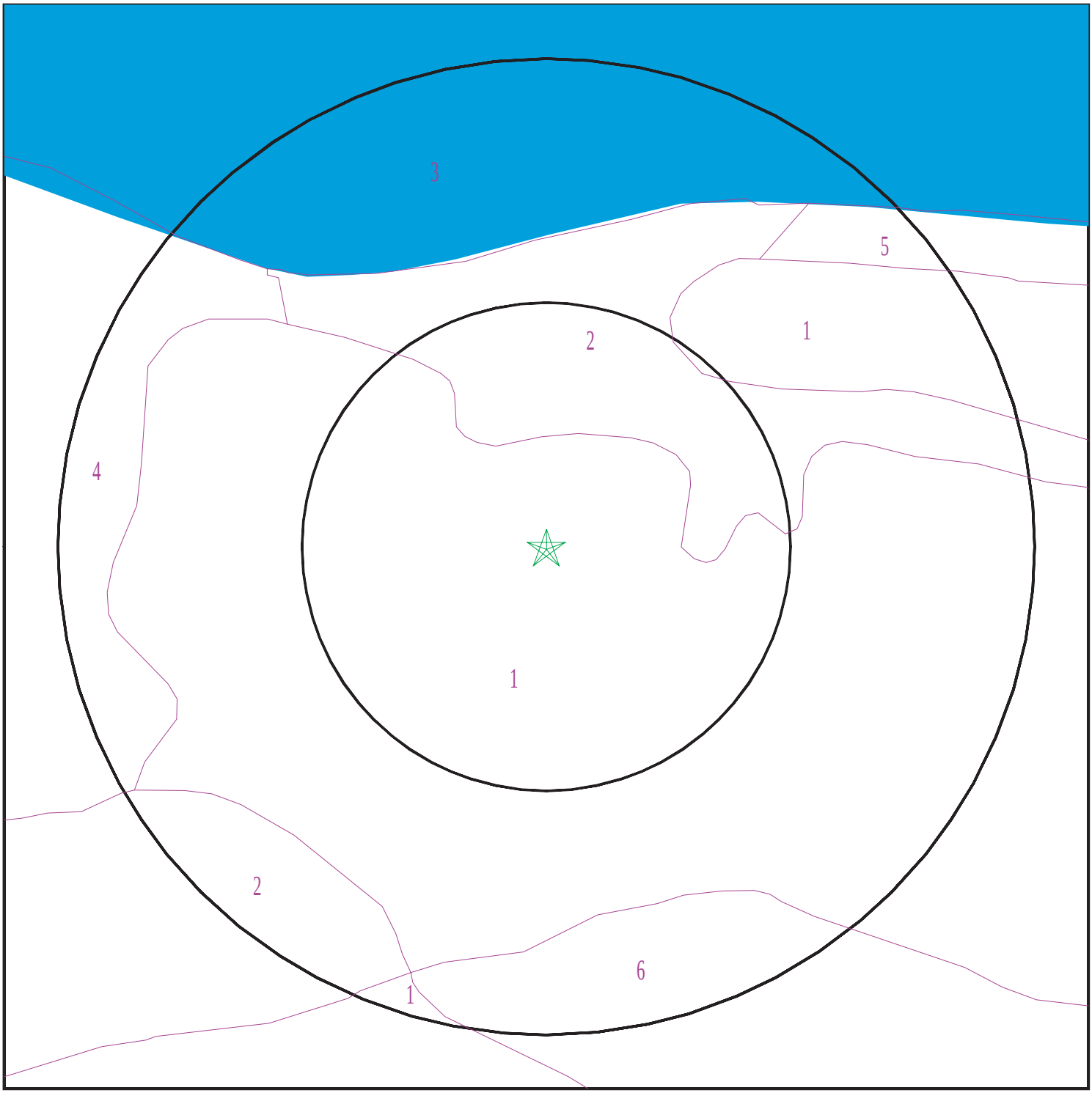
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7085970.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: 467803 ADDRESS: 830 San Pablo Avenue Pinole CA 94564 LAT/LONG: 38.007891 / 122.307186	CLIENT: AEI Consultants CONTACT: Dania Ledezma INQUIRY #: 7085970.2s DATE: August 15, 2022 12:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CUT AND FILL LAND (fill part)

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 30 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: CROPLEY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	24 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	24 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: CUT AND FILL LAND (fill part)

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: JOICE

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	muck	A-8	Highly organic soils, Peat.	Max: 141 Min: 42	Max: Min:
2	14 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 6

Soil Component Name: TIERRA

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	25 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	59 inches	70 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000111629	0 - 1/8 Mile WSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CAEDF0000120845	0 - 1/8 Mile WSW
A3	CAEDF0000011395	0 - 1/8 Mile SW
A4	CAEDF0000073631	0 - 1/8 Mile SW
A5	CAEDF0000045409	0 - 1/8 Mile SW
A6	CAEDF0000108559	0 - 1/8 Mile SW
A7	CAEDF0000063527	0 - 1/8 Mile SW
A8	CAEDF0000132336	0 - 1/8 Mile SW
A9	CAEDF0000002205	0 - 1/8 Mile SW
A10	CAEDF0000055037	0 - 1/8 Mile SW
A11	CAEDF0000096819	0 - 1/8 Mile SW
B13	CAEDF0000061568	1/2 - 1 Mile WSW
B14	CAEDF0000035514	1/2 - 1 Mile WSW
B15	CAEDF0000123135	1/2 - 1 Mile WSW
B16	CAEDF0000108387	1/2 - 1 Mile WSW
B17	CAEDF0000130946	1/2 - 1 Mile WSW
B18	CAEDF0000004904	1/2 - 1 Mile SW
B19	CAEDF0000130839	1/2 - 1 Mile WSW
B20	CAEDF0000003277	1/2 - 1 Mile SW
21	CAEDF0000011161	1/2 - 1 Mile SW
C22	CAEDF0000076340	1/2 - 1 Mile SSE
C23	CAEDF0000059337	1/2 - 1 Mile SSE
C24	CAEDF0000005713	1/2 - 1 Mile SSE
C25	CAEDF0000114101	1/2 - 1 Mile SSE
C26	CAEDF0000045310	1/2 - 1 Mile SSE
C27	CAEDF0000140273	1/2 - 1 Mile SSE
C28	CAEDF0000130868	1/2 - 1 Mile SSE
C29	CAEDF0000126672	1/2 - 1 Mile SSE
C30	CAEDF0000095016	1/2 - 1 Mile SSE
C31	CAEDF0000068813	1/2 - 1 Mile SSE
D32	CAEDF0000113246	1/2 - 1 Mile East
C33	CAEDF0000044018	1/2 - 1 Mile SSE
C34	CAEDF0000097809	1/2 - 1 Mile SSE
D35	CAEDF0000120231	1/2 - 1 Mile East
D36	CAEDF0000038227	1/2 - 1 Mile ESE
D37	CAEDF0000062526	1/2 - 1 Mile East
C38	CAEDF0000087014	1/2 - 1 Mile SSE
C39	CAEDF0000089179	1/2 - 1 Mile SSE
D40	CAEDF0000140039	1/2 - 1 Mile East
D41	CAEDF0000080894	1/2 - 1 Mile East
C42	CAEDF0000021350	1/2 - 1 Mile SSE
C43	CAEDF0000132477	1/2 - 1 Mile SSE
D44	CAEDF0000132136	1/2 - 1 Mile East
C45	CAEDF0000094085	1/2 - 1 Mile SSE
D46	CAEDF0000047722	1/2 - 1 Mile East
C47	CAEDF0000117533	1/2 - 1 Mile SSE
D50	CAEDF0000011882	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 7085970.2s

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	467803	CLIENT:	AEI Consultants
ADDRESS:	830 San Pablo Avenue Pinole CA 94564	CONTACT:	Dania Ledezma
		INQUIRY #:	7085970.2s
LAT/LONG:	38.007891 / 122.307186	DATE:	August 15, 2022 12:21 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **WSW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000111629**

Well ID:	T0601392760-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-5		

A2 **WSW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000120845**

Well ID:	T0601392760-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-6		

A3 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000011395**

Well ID:	T0601392760-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-2		

A4 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000073631**

Well ID:	T0601392760-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-3		

Map ID Direction Distance Elevation	Database	EDR ID Number
A5 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000045409**

Well ID:	T0601392760-DVE-2	Well Type:	MONITORING
Source:	EDF	Other Name:	DVE-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=DVE-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=DVE-2		

A6 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000108559**

Well ID:	T0601392760-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-1		

A7 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000063527**

Well ID:	T0601392760-DVE-4	Well Type:	MONITORING
Source:	EDF	Other Name:	DVE-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=DVE-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=DVE-4		

A8 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000132336**

Well ID:	T0601392760-DVE-3	Well Type:	MONITORING
Source:	EDF	Other Name:	DVE-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=DVE-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=DVE-3		

Map ID Direction Distance Elevation	Database	EDR ID Number
A9 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000002205**

Well ID:	T0601392760-DVE-5	Well Type:	MONITORING
Source:	EDF	Other Name:	DVE-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=DVE-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=DVE-5		

A10 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000055037**

Well ID:	T0601392760-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=MW-4		

A11 **SW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000096819**

Well ID:	T0601392760-DVE-1	Well Type:	MONITORING
Source:	EDF	Other Name:	DVE-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601392760&assigned_name=DVE-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601392760&assigned_name=DVE-1		

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12 **SW** **1/4 - 1/2 Mile** **Higher**	Site ID:	07-0082	**AQUIFLOW**	**38498**
	Groundwater Flow:	SW		
	Shallow Water Depth:	4.51		
	Deep Water Depth:	28.41		
	Average Water Depth:	Not Reported		
	Date:	01/14/1999		

B13 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000061568**

Well ID:	SL0601331885-IW1A	Well Type:	MONITORING
Source:	EDF	Other Name:	IW1A

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601331885&assigned_name=IW1A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601331885&assigned_name=IW1A

B14
WSW **CA WELLS** **CAEDF0000035514**
1/2 - 1 Mile
Lower

Well ID: SL0601331885-MW4 Well Type: MONITORING
Source: EDF Other Name: MW4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601331885&assigned_name=MW4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601331885&assigned_name=MW4

B15
WSW **CA WELLS** **CAEDF0000123135**
1/2 - 1 Mile
Lower

Well ID: SL0601331885-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601331885&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601331885&assigned_name=MW2

B16
WSW **CA WELLS** **CAEDF0000108387**
1/2 - 1 Mile
Lower

Well ID: SL0601331885-MW2A Well Type: MONITORING
Source: EDF Other Name: MW2A
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601331885&assigned_name=MW2A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601331885&assigned_name=MW2A

B17
WSW **CA WELLS** **CAEDF0000130946**
1/2 - 1 Mile
Lower

Well ID: SL0601331885-IW3 Well Type: MONITORING
Source: EDF Other Name: IW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601331885&assigned_name=IW3&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601331885&assigned_name=IW3

B18
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000004904**

Well ID:	T0601300078-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300078&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300078&assigned_name=MW-3		

B19
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000130839**

Well ID:	T0601300078-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300078&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300078&assigned_name=MW-4		

B20
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000003277**

Well ID:	T0601300078-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300078&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300078&assigned_name=MW-5		

21
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000011161**

Well ID:	T0601300078-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300078&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300078&assigned_name=MW-7		

Map ID Direction Distance Elevation	Database	EDR ID Number
C22 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000076340**

Well ID:	T0601300038-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300038&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300038&assigned_name=MW-5		

C23 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000059337**

Well ID:	T0601300038-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300038&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300038&assigned_name=MW-2		

C24 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000005713**

Well ID:	T0601300038-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300038&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300038&assigned_name=MW-4		

C25 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000114101**

Well ID:	T0601300298-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-7		

Map ID Direction Distance Elevation	Database	EDR ID Number
C26 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000045310**

Well ID:	T0601300038-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300038&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300038&assigned_name=MW-3		

C27 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000140273**

Well ID:	T0601300298-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-6		

C28 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000130868**

Well ID:	T0601300038-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300038&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300038&assigned_name=MW-6		

C29 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000126672**

Well ID:	T0601300298-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-10		

Map ID Direction Distance Elevation	Database	EDR ID Number
C30 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000095016**

Well ID:	T0601300298-MW-2A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-2A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-2A		

C31 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000068813**

Well ID:	T0601300298-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-8		

D32 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000113246**

Well ID:	T0601300264-S-4	Well Type:	MONITORING
Source:	EDF	Other Name:	S-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-4		

C33 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000044018**

Well ID:	T0601300298-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-14		

Map ID Direction Distance Elevation	Database	EDR ID Number
C34 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000097809**

Well ID:	T0601300298-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-13		

D35 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000120231**

Well ID:	T0601300264-S-3	Well Type:	MONITORING
Source:	EDF	Other Name:	S-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-3		

D36 **ESE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000038227**

Well ID:	T0601300264-S-11	Well Type:	MONITORING
Source:	EDF	Other Name:	S-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-11		

D37 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000062526**

Well ID:	T0601300264-S-9	Well Type:	MONITORING
Source:	EDF	Other Name:	S-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-9		

Map ID Direction Distance Elevation	Database	EDR ID Number
C38 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000087014**

Well ID:	T0601300298-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-17		

C39 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000089179**

Well ID:	T0601300298-MW-4A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-4A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-4A		

D40 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000140039**

Well ID:	T0601300264-S-2	Well Type:	MONITORING
Source:	EDF	Other Name:	S-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-2		

D41 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000080894**

Well ID:	T0601300264-S-10	Well Type:	MONITORING
Source:	EDF	Other Name:	S-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-10		

Map ID Direction Distance Elevation	Database	EDR ID Number
C42 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000021350**

Well ID:	T0601300298-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-11		

C43 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000132477**

Well ID:	T0601300298-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-15		

D44 **East** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000132136**

Well ID:	T0601300264-S-12	Well Type:	MONITORING
Source:	EDF	Other Name:	S-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-12		

C45 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000094085**

Well ID:	T0601300298-MW-5A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-5A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-5A		

Map ID Direction Distance Elevation		Database	EDR ID Number
D46 **East** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CAEDF0000047722**

Well ID:	T0601300264-S-1	Well Type:	MONITORING
Source:	EDF	Other Name:	S-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-1		

C47 **SSE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000117533**

Well ID:	T0601300298-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300298&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300298&assigned_name=MW-16		

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48 **WSW** **1/2 - 1 Mile** **Lower**	Site ID:	16124	**AQUIFLOW**	**66260**
	Groundwater Flow:	W		
	Shallow Water Depth:	6.37		
	Deep Water Depth:	8.10		
	Average Water Depth:	Not Reported		
	Date:	03/08/1991		

C49 **SSE** **1/2 - 1 Mile** **Higher**	Site ID:	07-0039	**AQUIFLOW**	**38531**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	12.76		
	Deep Water Depth:	35.47		
	Average Water Depth:	Not Reported		
	Date:	12/04/1998		

D50 **East** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CAEDF0000011882**

Well ID:	T0601300264-S-7	Well Type:	MONITORING
Source:	EDF	Other Name:	S-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300264&assigned_name=S-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300264&assigned_name=S-7		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1G **SW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	07-0082 SW 4.51 28.41 Not Reported 01/14/1999	**AQUIFLOW**	**38498**
2G **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	16124 W 6.37 8.10 Not Reported 03/08/1991	**AQUIFLOW**	**66260**
3G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	07-0039 Not Reported 12.76 35.47 Not Reported 12/04/1998	**AQUIFLOW**	**38531**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94564	9	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for CONTRA COSTA COUNTY, CA

Number of sites tested: 55

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.760 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.300 pCi/L	100%	0%	0%
Basement	0.525 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORICAL SOURCES

467803

830 San Pablo Avenue

Pinole, CA 94564

Inquiry Number: 7085970.5

August 15, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/15/22

Site Name:

467803
830 San Pablo Avenue
Pinole, CA 94564
EDR Inquiry # 7085970.5

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Dania Ledezma

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: August 27, 1998	USDA
1982	1"=500'	Flight Date: July 08, 1982	USDA
1974	1"=500'	Flight Date: April 30, 1974	USGS
1968	1"=500'	Flight Date: April 20, 1968	USGS
1963	1"=500'	Flight Date: July 17, 1963	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: July 22, 1958	USGS
1950	1"=500'	Flight Date: May 25, 1950	USDA
1946	1"=500'	Flight Date: September 06, 1946	USGS
1939	1"=500'	Flight Date: August 04, 1939	USDA

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Aerial Photograph

2016

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2016

AEI

Aerial Photograph

2012

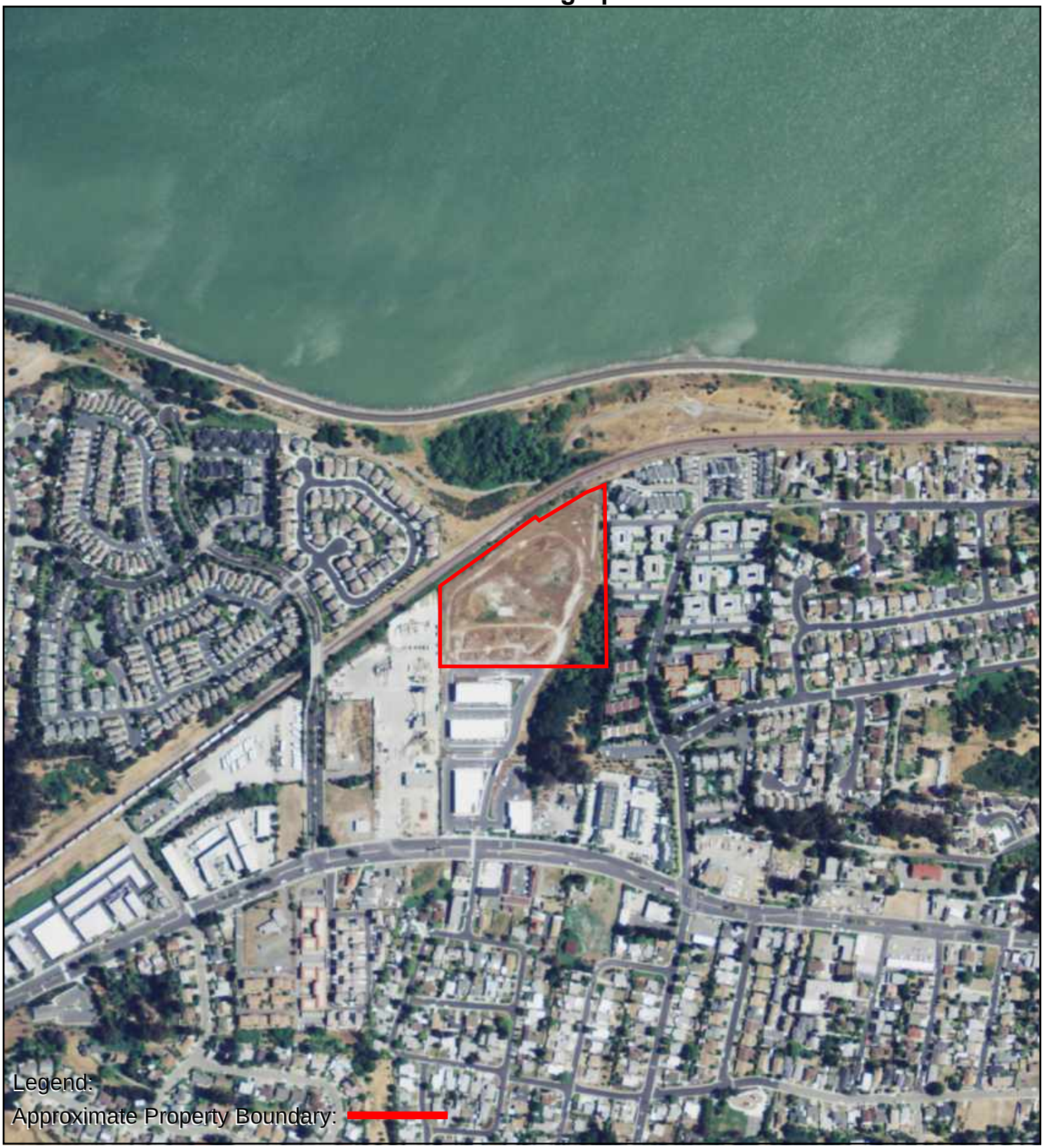
0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2012

Aerial Photograph

2009



0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2009

AEI

Aerial Photograph

2005

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2005

AEI

Aerial Photograph

1998

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1998

AEI

Aerial Photograph

1982

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1982

AEI

Aerial Photograph

1974

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1974

AEI

Aerial Photograph

1968

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1968

AEI

Aerial Photograph

1963

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1963

AEI

Aerial Photograph

1958

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1958

AEI

Aerial Photograph

1950

0 Feet 500 1000 2000

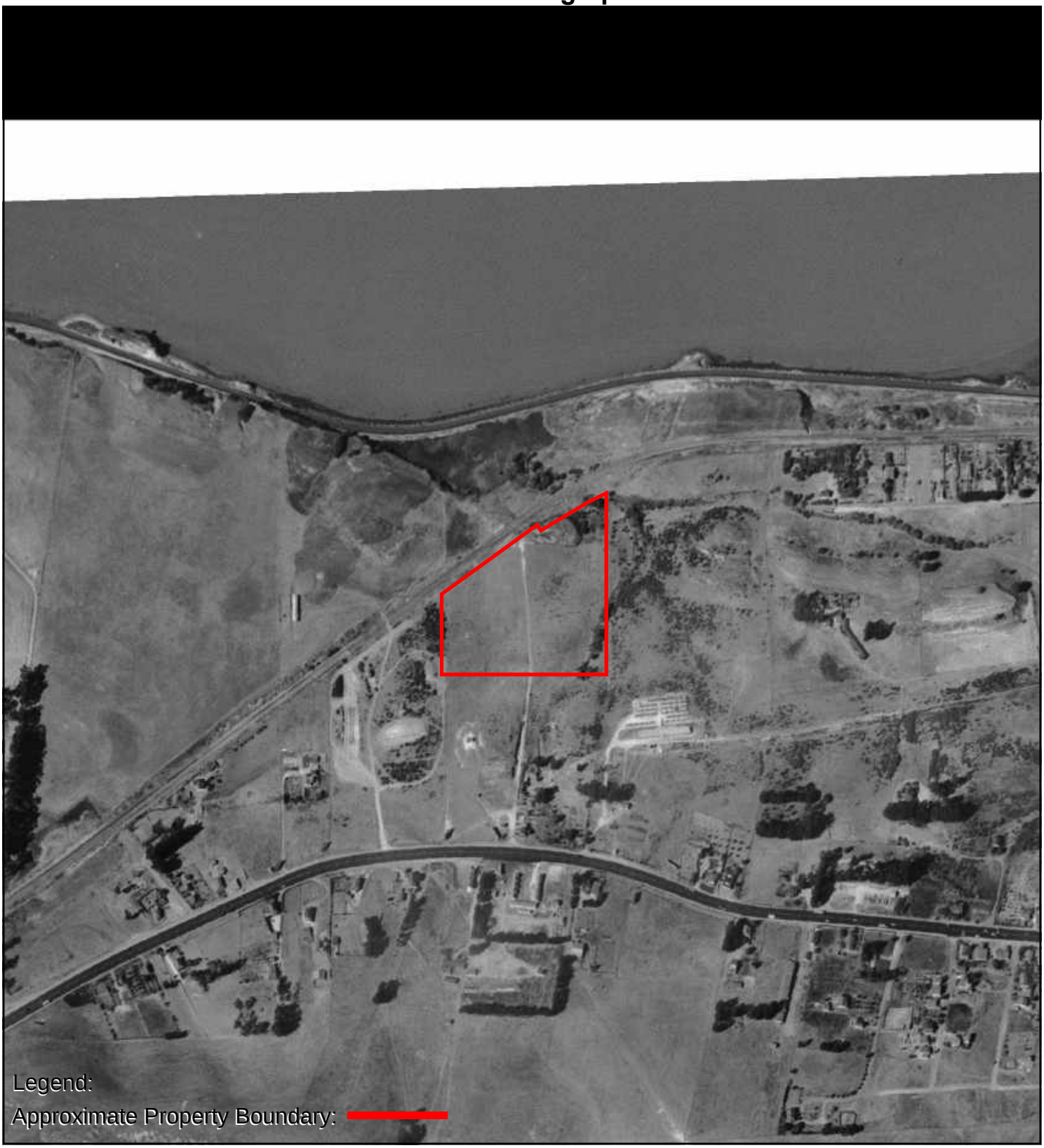
N

AERIAL PHOTOGRAPH - 1950

AEI

Aerial Photograph

1946



0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1946

AEI

Aerial Photograph

1939

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1939

AEI

467803

830 San Pablo Avenue

Pinole, CA 94564

Inquiry Number: 7085970.3

August 15, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/15/22

Site Name:	Client Name:
467803	AEI Consultants
830 San Pablo Avenue	2500 Camino Diablo
Pinole, CA 94564	Walnut Creek, CA 94597
EDR Inquiry # 7085970.3	Contact: Dania Ledezma

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AEI Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 956D-4438-BC7C

PO # 316427

Project 467803

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 956D-4438-BC7C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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467803
830 San Pablo Avenue
Pinole, CA 94564

Inquiry Number: 7085970.6
August 17, 2022

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Haines Criss-Cross Directory
1983	☑	☐	Haines Criss-Cross Directory
1980	☐	☐	Haines Criss-Cross Directory
1976	☑	☐	Haines Criss-Cross Directory
1960	☐	☐	Polks City Directory
1927	☐	☐	Polks City Directory

FINDINGS

TARGET PROPERTY STREET

830 San Pablo Avenue
Pinole, CA 94564

Year	*CD Image*	*Source*	
SAN PABLO AVE			
2017	pg A2	EDR Digital Archive	
2014	pg A5	EDR Digital Archive	
2010	pg A8	EDR Digital Archive	
2005	pg A11	EDR Digital Archive	
2000	pg A14	EDR Digital Archive	
1995	pg A16	EDR Digital Archive	
1992	pg A19	EDR Digital Archive	
1987	pg A21	Haines Criss-Cross Directory	
1987	pg A22	Haines Criss-Cross Directory	
1983	pg A23	Haines Criss-Cross Directory	
1983	pg A24	Haines Criss-Cross Directory	
1980	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1976	pg A25	Haines Criss-Cross Directory	
1976	pg A26	Haines Criss-Cross Directory	
1960	-	Polks City Directory	Street not listed in Source
1927	-	Polks City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SAN PABLO AVE 2017

500	LETCHER BROTHERS AUTO REPAIR
	LOCKSMITH
517	METRIC MOTORSPORT
550	ACCU TECH AUTO CARE INC
600	EMBERS THE
610	1ST LIBERTY FINANCE
	ALL STARS BARBER SHOP
	ARMOR LOCKSMITH SERVICES
	BARNES BARBER SHOP
	BARNES CUTS & STYLES
	BRONZE BUNS
	G & L LIQUOR
	K 9 CREATIONS SPA BOUTQIUE
	K LE TIME
	MA YOLANDA CABOBOY
	PETES PLACE
620	99 CENTS ONLY STORES
	SOARING EAGLES TAE KWON DO ACADEMY
	SUBWAY
624	COSMOPROF
	NOSTALGIC SOUL BS
	SERENITY NAIL SPA
	THE NEW DELI
632	HO, KWONG C
	HUNAN VILLA
	TACHIKAWA RESTAURANT
636	LETCHER BROTHERS AUTO REPAIR
640	PUBLIC STORAGE
645	JEHOVAHS WITNESS
650	CLEMES & CLEMES INC
674	LINDSEY, LYNETTE A
675	THOMPSON, TAMMY
	WU, YU C
690	THE NEARLY NEW SHOPPE
711	REYNOSO, ELIZABETH
720	DAVES AUTO REPAIR
	DREAMS AUTO COLLISION CENTER
730	INTEGRITY MUFFLER & AUTO CARE
	LETCHER BROTHERS AUTO REPAIR
	SCOLARI MARBLE & GRANITE
	SUPERHAUL MECHANICAL
739	ANGUIANO, LUIS
	CDL PACIFIC JANITORIAL SERVICE
	CHAPMAN, CYNTHIA A
	DURHAM, DURELL T
	FAJARITO, JERWIN J
	GALLEGOS, RAFAEL
	GUTIERREZ, MARCO A
	HAZZARD, MARKITA
	SCOTT, GREGORY

SAN PABLO AVE 2017 (Cont'd)

739	TAN, PAUL
745	CARADINE, BETTY J
	GURUWAYA, JOSEPH M
	MADISON, DAVID
	PITTMAN, NICHOLAS A
	REYES, MARIA G
	ROBINSON, GEORGE H
	STEWART, EUGENA A
	TRUDEL, JACK H
	WEBSTER, DANYELL D
	YOUNG, LEILANIE P
747	ARANA, SHERWIN C
	BAOAS, DANILO
	CORCUERA, THELMA C
	GIBSON, CLAYTON J
	HUGHES, ENRIQUE
	LIMO, ROY K
	MAPA, A L
	MORALES, DIANA
	TIANG, KIMCHEA
	TOMADA, LUCITO T
	VALENCIA, LUZ
775	BIOMAX ENVIRONMENTAL LLC
781	R E ROSINE & CO INC
785	WILLIAMSON, LESLIE
795	MCMULLEN GLASS CO
799	NAVARRO, STEVEN
806	NUTTLE, SUSAN L
	SUSAN NUTTLE DDS
812	3 H VENTURES LLC
	ASCEND EAGLE
815	ATENCIO, REMEDIOS S
	COWPERTHWAITE HININGER
	COWPERTHWAITE, DAVID G
	LAROCQUE, JOCELYN A
	NGUYEN, DIEM T
	SHIPMON, JANICE R
825	KISTER SAVIO & REI INC KSRINC
828	360 MEDICAL SUPPLY LLC
855	GABLES MOTEL
890	INDUSTRIAL RAILWAYS CO
893	ST CLAIRES HOME FOR SENIORS
900	AAA LOCKSMITH
	CROCKETTS PREMIER AUTO BODY
901	TOVARJIMENEZ, HECTOR
910	COUNTY OF CONTRA COSTA
920	DUMLAOS MARTIAL ARTS
930	CASTORNOVA & ASSOCIATES
	EUREKA THE CALIFORNIA CAREER INFORMA
	GOLDEN BAY TAX BOOKKEEPING

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SAN PABLO AVE 2017 (Cont'd)

930	RIGHT AT HOME
	SMITH & ASSOCIATES
951	MADELINESTAX SERVICE
953	BELLA BRASIL BUSINESS SERVICES
	MATAYOSHI NSURANCE SERVICES
971	10TH INNING BASEBALL CARDS
	PINOLE PAWS PET GROOMING
	SHEAR CUTS
	SUNSHINE FLOOR COVERING
990	DOLAN LUMBER CO OF PINOLE
993	FOSTERS FREEZE
1007	SMART STOP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SAN PABLO AVE 2014

500	LETCHER BROTHERS AUTO REPAIR
517	METRIC MOTORSPORT
	OCCUPANT UNKNOWN,
550	ACCU TECH AUTO CARE INC
600	EMBERS THE
610	1ST LIBERTY FINANCE
	ADT SECURITY SERVICES
	BARNES BARBER SHOP
	BARNES CUTS & STYLES
	BRONZE BUNS
	DISH NETWORK
	G & L LIQUOR
	K 9 CREATIONS SPA BOUTQIUE
	PETES PLACE
620	99 CENT ONLY STORES
	SOARING EAGLES TAE KWON DO ACADEMY
	SUBWAY SANDWICHES
624	99 CENT STORE
	COSMOPROF
	NEW DELI THE
	NOSTALGIC SOUL BS
	SERENITY NAIL SPA
632	HO, KWONG C
	HUNAN VILLA
	TACHIKAWA RESTAURANT
636	JIM DANDY TRANSMISSIONS
640	PUBLIC STORAGE
645	JEHOVAHS WITNESSES PINOLE CONGRIGAT
650	CLEMES & CLEMES INCCURVED PLYWOOD
	CONTRA COSTA POOL CENTER
655	WRIGHT, JOSHUA
665	CLEMES, HELLENA L
674	LINDSEY, LYNETTE A
675	CUADROS, LIZ
	THOMPSON, TAMMY
690	THE NEARLY NEW SHOPPE
711	PORTILLO, ELENA
720	DAVES AUTO REPAIR
	DREAMS AUTO COLLISION CENTER
725	IRENES WOMEN OF FAITH FOUNDATION
730	LETCHER BROTHERS AUTO REPAIR
	PINOLE GRANITE COMPANY
	PROF SMOG
	SCOLARI MARBLE & GRANITE
	SENZER, ERNEST
739	ABERIN, EDGARDO B
	CDL PACIFIC JANITORIAL SERVICE
	FABIA, EUSEBIO C
	GALLEGOS, RAFAEL
	GHUMMAN, AFZAL

SAN PABLO AVE 2014 (Cont'd)

739	GUTIERREZ, MARCO A
	MADARIS, LATRICE
	MAHRT, REBECCA L
	QUOSHENA, CYNTHIA I
	SCOTT, GREGORY
	TAN, SHERRYL
745	GIBSON, NAMANA
	GURUWAYA, JOSEPH M
	MARTINEZ, HUBERT
	PITTMAN, NICHOLAS A
	REYES, GRACIA
	ROBINSON, GEORGE H
	SALMERON, YOLANDA A
	TOMADA, LUCITO T
	TRUDEL, JACK H
747	ARANA, SHERWIN C
	BHATTARAI, MANASH
	BINHLOI, LY
	CERRATO, JOSE A
	CREER, JEAN
	KIMCHEA, TIANG
	LIMO, ROY K
	LOZANO, ESPERANZA L
	MANAOIS, ANA
	MAPA, A L
	RAMIREZ, ROSALVA
	VALENCIA, LUZ
775	BIOMAX ENVIRONMENTAL LLC
781	R E ROSINE & CO INC
785	FERGUSON, CARRIE L
795	MCMULLEN GLASS CO
799	OCCUPANT UNKNOWN,
800	SUGAR CITY BUILDING MATERIALS CO
806	NUTTLE SUSAN DDS
	NUTTLE, SUSAN L
812	FASTENAL
815	BORRMEO, BONNIE J
	COWPERTHWAITE HININGER
	KUIPER, GERARD E
	MATTA, BERNADETTE
825	KISTER SAVIO & REI INC
828	360 MEDICAL SUPPLY LLC
855	GABLES MOTEL
870	WEBB, JAMES
890	INDUSTRIAL RAILWAYS CO
893	SAINTCLAIRES HOME FOR SENIORS
900	CROCKETTS PREMIER AUTO BODY
901	OROZCO, VICTOR
910	COUNTY OF CONTRA COSTA
920	OCU EASE OPTICAL PRODUCTS INC

Target Street	Cross Street	Source
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SAN PABLO AVE 2014 (Cont'd)

930	CASTORNOVA & ASSOCIATES
	CU SERVICES
	EUREKA THE CALIFORNIA CAREER INFORMA
	LEBON REAL ESTATE INC
	SMITH & ASSOCIATES
951	MADELINESTAX SERVICE
953	BELLA BRASIL BUSINESS SERVICES
	MATAYOSHI NSURANCE SERVICES
971	10TH INNING BASEBALL CARDS
	PINOLE PAWS PET GROOMING
	SHEAR CUTS
	SUNSHINE FLOOR COVERINGS
990	DOLAN LUMBER CO OF PINOLE
	DOLANS
	DOLANS LUMBER WINDOWS & DOORS
993	FOSTER FREEZEPINOLE
1007	SMART STOP

Target Street	Cross Street	Source
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SAN PABLO AVE 2010

500	LETCHER BROTHERS AUTO REPAIR
517	METRIC MOTORSPORT
	OCCUPANT UNKNOWN,
550	ACCUTECH AUTO CARE INC
600	EMBERS
610	BRONZE BUNS
	G & L LIQUOR INC
	HAIRITAGE BEAUTY SALON
	KUMON MATH & READING CTR
	PETES PLACE
	SAN PABLO CLEANERS
620	99 CENTS ONLY STORES
624	99 STORE
	COSMO PRO
	FERENITY NAIL SPA
	NEW DELI
632	HO, KWONG C
	HUNAN VILLA
636	JIM DANDY MUFFLER
640	PUBLIC STORAGE
645	JEHOVAHS WITNESSES PINOLE
650	CLEMES & CLEMES INCCURVED
	CONTRA COSTA POOL CTR
655	WRIGHT, JOSEPH
665	CLEMES, HELLENA L
674	LINDSEY, LYNETTE A
675	MANNING, MARY A
690	SECOND HAN WANTS & NEEDS
711	PORTILLO, FRANCISCO A
720	DAVES AUTO REPAIR
	DREAMS AUTO COLLISION CTR
	HOLLERANS FABRICATION
	JOHN DON KONICS
730	ABC AUTO REPAIR & TOWING
	BAYOU CUSTOM
	DE, ANDA M
	DEANDA, MARIA J
	FARIA, RAYMOND D
	FRANCISCOS MOBILE AUTO SVC
	INTEGRITY MUFFLER & AUTO CARE
	INTERNATIONAL ORNAMENTAL IRON
	PROF SMOG
	ROCKET WORKSHOP
	SCOLARI MARBLE & GRANITE
	SUPERHAUL MECHANICAL
739	ALBERTO, MARLENE
	AMEY, GWEN
	COCKERAN, IYSIS
	CORDOVA, SONIA M
	DWYER, MICHAEL

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SAN PABLO AVE 2010 (Cont'd)

739	GALLEGOS, RAFAEL
	GARCIA, CESAR M
	GUTIERREZ, ALEX
	JACKSON, ELONDA
	RABUTASO, DANTE D
	SAMANO, ERIKA
	SUM, YUN C
	UHLES, GLEN P
745	BENAMER, JOB N
	BURATHOKI, BISHANT
	CARADINE, BETTY J
	CUYNO, ELENITA
	GONZALEZ, EDWIN
	MARTINEZ, HUBERT
	ONYIKE, EUGENE
	PORTILLO, OSCAR A
	RAMIREZ, CATHERINE
	RAMIREZ, KAMILO
	REYES, GRACIA
	ROBINSON, GEORGE H
	SUM, YUN C
	TRUDEL, JACK H
	WEBSTER, DAN
747	HOLSTON-VINES, ANN E
	KEOSAENG, CHAN
	ORELLANA, DALIO A
	RAMIREZ, ROSALVA
	RODGERS-DEZA, CATHLENE R
	SANDOC, ERWIN
	TOMADA, LUCITO T
	ZIVNEY, MALEA
760	TERRA FIRMA CO
775	BIOMAX ENVIRONMENTAL LLC
781	R E ROSINE & CO
785	OCCUPANT UNKNOWN,
787	KNISELY, DIANE M
789	CEZARIO, CHRISTIE E
791	JANKE, ZACHARY
795	MC MULLEN GLASS CO
799	OCCUPANT UNKNOWN,
806	NUTTLE SUSAN L DDS
	NUTTLE, SUSAN L
815	ATENCIO, REMEDIOS S
	COWPERTHWAITE & HININGER
	KUIPER, GERARD
825	KISTER SAVIO & REI INC
855	GABLES MOTEL
870	WEBB, JAMES
890	INDUSTRIAL RAILWAYS CO
893	SENIOR CARE OUTREACH INC

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SAN PABLO AVE 2010 (Cont'd)

893	ST CLAIRES HOME FOR SENIORS
900	CROCKETTS PREMIER AUTO BODY
910	CONTRA COSTA COUNTY ANIMAL SVC
920	OCUEASE OPTICAL PRODUCTS INC
930	BAY AREA TAX & BOOKKEEPING
	CALIFORNIA CAREER INFO SYSTS
	EXIT REALTY CARSON
	T K FINANCIAL
951	DIAMOND ACUPRESSURE
	MADELINE & MARIANNES TAX SVC
953	KINGON, ROI
	MATAYOSHI INSURANCE SVC
971	10TH INNING BASEBALL CARDS
	CINDYS SHEAR CUTS
	PINOLE PAWS PET GROOMING
990	DOLANS LUMBER WINDOWS & DOORS
993	FOSTERS FREEZE
1007	SMART STOP

Target Street	Cross Street	Source
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SAN PABLO AVE 2005

500	LETCHER BROTHERS AUTO REPAIR
550	ACCUTECH ONE
600	EMBERS
610	BRONZE BUNS
	BRUNO TERESA
	BRUNO, TERESA S
	CONTRA COSTA POOL CENTER
	DHALIWAL PRITAM SINGH
	DRUIDS OF CALIF U A O D
	G & L LIQUOR INC
	HAIRITAGE BEAUTY SALON
	JAP & GILL INC
	PETES PLACE
	SKIN ESSENTIALS
	SNOW WHITE CLEANERS
620	EMOTION & COMMOTION INC
	GOODWILL STORE
	HERRERA S JEWELERS
	O & R EXCLUSIVE AUTO TOPS & INTERIOR
624	99 STORE
	CYD INC
	DANCE UNLIMITED
	NEW DELI THE
632	HUNAN VILLA
	TACHIKAWA JAPANESE RESTAURANT
640	PUBLIC STORAGE
650	CLEMES & CLEMES INC
655	IPCOM INC
	WRIGHT, JOSEPH
665	CLEMES, ROY B
674	LINDSEY, LYNETTE A
675	MANNING, MARY A
	SOSENSKY, JOSEPH I
690	DRIP LINE CYCLES
711	HANSELL, THOMAS
720	BURNS AUTOMOTIVE
	BURNSSIMPLY HONDA
	CATHEYS BODY SHOP
725	GLOBAL CHRISTIAN ACADEMY
730	BECHTLE, MAX R
	INTEGRITY MUFFLER
	METRIC MOTORSPORT
	PROMOTIONAL TRADING CO
	RUIZ METAL FABRICATORS
739	AMEY, GWENDOLYN
	BERTRAND, TROY E
	BRITT, SONIA
	CORWIN, DAVID W
	FREEMAN, IRENE
	HA, MABLE L

Target Street	Cross Street	Source
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SAN PABLO AVE 2005 (Cont'd)

739	SUM, YUN C
	TAN, KEAN P
745	BENAMER, JOB N
	CARADINE, BETTY J
	GREENLEE, BRIAN
	LAZO, FLORENCIO
	MADISON, SHENNA
	NGUYEN, LUC T
	ROBINSON, GEORGE H
	SUM, YUN C
	TRUDEL, JACK H
747	BARKAOUI, OMAR
	BISHOP, ROBERT M
	BLAZO, CHARLOTTE
	DIXON, JESSICA N
	HOLSTON-VINES, ANN E
	LEWIS, JR
	MUNOZ, JOHN
	NELSON, GLEN E
	SALAS, ALBERTO
	TRAN, DUC
760	PACIFIC BODY WORKS
781	CHAN JANET OD
	WAN WILLIAM OD
785	OCCUPANT UNKNOWN,
787	KNISELY, DIANE M
789	VIOLETTE, ROBERT M
795	MCMULLEN GLASS CO
815	C & H CONSTRUCTION
	COWPERTHWITE HNNGR GN CENTERS
	LAROCQUE, JOCELYN A
	PONTEFRACT, YVES
	REYES, CHRISTINE
825	NICHOLS GARAGE DOOR
	OCCUPANT UNKNOWN,
850	CATES, JERRY E
855	GABLES MOTEL
890	INDUSTRIAL RAILWAYS CO INC CA
900	CROCKETT AUTO BODY PNT & DETAIL
	CROCKETTS PREMIER AUTO BODY
	ENTERPRISE RENT A CAR
	PINOLE
901	LOYA, JANICE M
914	LIVAS, ALEJANDRA
920	OCU EASE OPTICAL PRODUCTS INC
940	BAY WEST MORTGAGE
	VICTORIA BY THE BAY REALTY
	WESTPRO REALTY INC
951	DIAMOND ACUPRESSURE
	MADELINE & MARIANNES TAX SERVICE

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SAN PABLO AVE 2005 (Cont'd)

951	PAK, KWANG C
953	BIRTHRIGHT
	KINGON, MICHELLE L
	MATT MATAYOSHI INSURANCE AGC
970	THOMSEN & LOWE ASSOCIATES INC
971	10TH INNING BASEBALL CARDS
990	DOLANS OF PENOLE
	DOLANSCONCORD
993	FOSTER FREEZE PINOLE
1007	SMART STOP

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SAN PABLO AVE 2000

500	LETCHER BROTHERS VOLKSWAGEN REPAIR
550	ACCUTECH ONE
	ACCUTUNE & BRAKE
	PRECISION TUNE AUTO CARE
600	EMBERS THE
610	BRONZE BUNS A TANNING SALON
	BRUNO TERESA STYLST
	BRUNO, T
	CONTRA COSTA POOL CENTER
	DRUIDS OF CALIF U A O D GRAND SECYS OFFICE
	G & L LIQUOR INCORPORATED
	HAIRITAGE BEAUTY SALON
	KUMON CENTER PINOLE HERCULES
	PETES PLACE
	SNOW WHITE CLEANERS
	THAT PET SHOP
620	GOODWILL STORE
	HERRERAS CUSTOM DESIGN JEWELRY
	O & R EXCLUSIVE AUTO TOPS & INTERIORS
	PACIFIC GYM
624	AROMA STUDIO
	DANCE UNLIMITED
	JUMPING BEAN RESTAURANT
	NEW DELI THE
632	HUNAN VILLA
	TACHIKAWA JAPANESE RESTAURANT
640	PUBLIC STORAGE STORAGE LOCATIONS
650	CLEMES & CLEMES INCORPORATED CURVED PLYWOOD
655	OCCUPANT UNKNOWN,
665	CLEMES, ROY B
675	OCCUPANT UNKNOWN,
711	OCCUPANT UNKNOWN,
720	CATHEYS BODY SHOP
	DAVES AUTO REPAIR
	OCCUPANT UNKNOWN,
725	GLOBAL CHRISTIAN ACADEMY
729	OCCUPANT UNKNOWN,
730	BAYOU CUSTOM
	BECHTLE, MAX R
	BRADSHAW, PHILLIP
739	BUDD, CHRIS A
	CANTRELL, KRISTY L
	CONTRERAS, MARTHA
	CORONEL, JUAN M
	CORWIN, DAVID
	ELLIS, KENNETH
	TAN, KEAN P
745	BENAMER, JOB N
	CHAMORRO, ERNESTO A
	FITZSIMMONS, MATTHEW J

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SAN PABLO AVE 2000 (Cont'd)

745	GUTIERREZ, RHINA M
	HOFFMAN, HAROLD R
	MELGOZA, JOEL
	PASTORE, MAYRA B
	TRUDEL, JACK H
747	PURCELL, LISA
	RACADAG, CECILIO R
	RUBIO, LETICIA
	SCHWARTZ, JOHN E
	SHAHKAMRANI, MARYAM
760	PACIFIC BODY WORKS
775	BIOMAX ENVIRONMENTAL
	POLKABLA, J M
781	WAN WILLIAM OD
795	MCMULLEN GLASS COMPANY
800	SUGAR CITY BUILDING MATERIALS COMPANY
825	OCCUPANT UNKNOWN,
850	ANTHONY, ARLEY E
	SELL RITE AUTO SALES
854	RAYBURN, C
855	GABLES MOTEL
870	OCCUPANT UNKNOWN,
890	INDUSTRIAL RAILWAYS COMPANY
893	M C CARE HOME
901	LOYA, JANICE M
933	OCCUPANT UNKNOWN,
950	OCCUPANT UNKNOWN,
951	LEE-MEIDER DOROTHY DC
	MADELINE & MARIANNES TAX SERVICE
	OCCUPANT UNKNOWN,
	PACIFIC CHIROPRACTIC
953	ABORTION ALTERNATIVES BIRTHRIGHT
	BIRTHRIGHT
	CADEAUX INSURANCE SERVICES
	KINGON, ROI J
971	CINDYS SHEAR CUTS
	D & S FLOOR COVERINGS
	MADRUGA CINDY CINDYS SHEAR CUTS
	OCCUPANT UNKNOWN,
	PINOLE PET SHOP
	TENTH INNING BASEBALL CARDS
990	DOLAN LUMBER COMPANY OF PINOLE
	DOLANS DOORS WINDOWS & LUMBER
993	FOSTER FREEZE PINOLE
1001	PINOLE HERCULES LITTLE LEAGUES
1007	CHEAPER

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SAN PABLO AVE 1995

550	ACCUTUNE & BRAKE
600	EMBERS
610	CONTRA COSTA POOL CTR
	G & L LIQUOR INC
	HAIRITAGE BEAUTY SALON
	HERRERAS CUSTOM DESIGN JWLRY
	PETES PLACE
	SCHOOL PHOTO SVC
	SNOW WHITE CLEANERS
	THAT PET SHOP
	ULTRA TAN
620	CHARLES CARPET & DRAPES
	GOODWILL INDUSTRIES
	HERNANDEZ, ROXANNE
	PACIFIC GYM
624	ADOBE CAMERA
	ALFONSOS MEXICAN RESTAURANT
	BAUTISA, MERCY
	CHOCOLATE CREATIONS
	DATATEX INC
	EMS SWEETS
	MACAPINLAC, JOEY
	NEW DELI
632	HUNAN VILLA CHINESE RESTAURANT
	TACHIKAWA JAPANESE RESTAURANT
640	KODER, WARD
	PUBLIC STORAGE
650	CLEMES & CLEMES INC
655	FRANCIS, ANTONE
665	CLEMES, ROY B
675	OCCUPANT UNKNOWNN
690	OCCUPANT UNKNOWNN
	S & S TOWING
700	JIM DANDY MUFFLER
	JIM DANDY TRANSMISSIONS AC
711	HANSELL, NORMAN G
720	OCCUPANT UNKNOWNN
725	BAKKEN, HARDIS C
	GLORIA DEI LUTHERAN CHURCH
730	BOBS CHEM DRY CARPET CLEANING
	BRADSHAW, PHIILLI
	LETCHER BROTHERS VW RSTRTN
	O & R EXCLUSIVE AUTO TOPS
	RODE AUTO CARE
739	COBO, MANUELA
	GRAYSON, D
	MOSASAGH, K A
	MOVASAGH, K A
	OFTRING, THOMAS G
	SOLIS, E

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SAN PABLO AVE 1995 (Cont'd)

739	THOMAS, B
745	ANDERSON, GERALD
	ROBERSON, CINDY J
	TOMBLIN, EMILY
	VOLKMAN, BARBARA J
	WALLMUTH, N L
	WETTSTEIN, THERESA M
747	BROKEMAN, BONI
	BRONKEMA, BONI
	GIPSON, CLAYTON
	HALL, EDKER L
	LUNA, FRANK T
	STOUT, STACI
760	PACIFIC BODY WORKS
775	OCCUPANT UNKNOWNN
781	WILLIAM WAN OD
785	CLARK, LINDA L
789	OCCUPANT UNKNOWNN
791	WANSICK, SUSANN
795	MC MULLEN GLASS CO
797	DAVIS, P R
800	SUGAR CITY BUILDING MTRL
815	PLAYTIME CLUB
825	RAYBURN, MURREL
850	ANTHONY AUTO WRECKERS
	OCCUPANT UNKNOWNN
852	OCCUPANT UNKNOWNN
	SELL RITE AUTO SALES
854	CATES, JERRY E
855	GABLES MOTEL
	VAKALOLOM, TEMA
870	ULVERSOY, JEAN C
890	INDUSTRIAL RAILWAY CO
	OCCUPANT UNKNOWNN
893	OCCUPANT UNKNOWNN
894	OCCUPANT UNKNOWNN
898	OCCUPANT UNKNOWNN
900	OCCUPANT UNKNOWNN
901	OCCUPANT UNKNOWNN
951	AFFORDABLE CHIROPRACTIC
	REALTY WORLD
	REALTY WORLD HOMES
953	EMBROIDERY FACTORY
	FATIMA NORTH HAIR STYLING
	WORLD OF CURL
970	RODEO CONSTRUCTION
971	10TH INNING BASEBALL CARDS
	D & S FLOOR COVERINGS
	PINOLE PET SHOP
	WAYNE PERRAULT INSURANCE

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SAN PABLO AVE 1995 (Cont'd)

990	DOLAN LUMBER CO PINOLE
	DOLANS LUMBER
993	FOSTER FREEZE
1007	CHEAPER

Target Street	Cross Street	Source
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SAN PABLO AVE 1992

600	EMBERS THE
610	CHARLES CARPET&DRPS
	CONTRA CSTA POOL CT
	G&L LIQUOR INC
	HAIRITAGE BTY SLN
	HERRERAS DSGN JWLRY
	PETES PLACE
	SCHOOL PHOTO SERV
	SILVERIDGE BARBER
	SNOW WHITE CLEANERS
	THAT PET SHOP
	ULTRA TAN
620	CINDERFELLA CHIMNEY
	GOODWILL STORE
	PAC GYM
624	ADOBE CAMERA
	ALFONSOS MEXCN REST
	CHOCOLATE CREATIONS
	DATATEX PC USERS
	NEW DELI THE
632	HUNAN VILLA
	TACHIKAWA RSTRNT
636	PINOLE VISTA AUTO
640	PUBLIC STORAGE
650	CLEMES&CLEMES INC
655	FRANCIS, TONY
690	S&S TOWING
700	JIM DANDY MUFFLER
725	GLORIA DEI LUTH CH
730	BRADSHAW, PHILLIP
	LETCHER BROS VW RPR
	PERFECT IMAGE PRNTR
	TOEPFER JIM CABINTS
739	CARRILLO, DONALD
	MOLL, W
	OFTRING, THOMAS G
745	BLACK, N
	CATHCART, WILLIAM L
	WALLMUTH, N L
747	LOVELESS, PAUL
	STECHER, KEVIN
760	PAC BODY WORKS
781	WAN WILLIAM OD
789	SILVA, P
791	BROWN, BARBARA A
795	MCMULLEN GLASS CO
800	SUGAR CTY BLDG MTRL
815	PLAYTIME CLUB
850	ANTHONY AUTO WRCKRS
852	SELL RITE AUTO SLS

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SAN PABLO AVE 1992 (Cont'd)

855	GABLES MOTEL
890	INDSTRL RAILWAYS CO
893	M C RSDNTL CARE HM
900	MIRA VISTA REL EST
	ROSS, DEBRA
951	HIGGINS ANTHONY DC
	REALTY WORLD HOMES
	UNIVRSL LAND INVST
953	EMBROIDERY FACTORY
	V&C INDUSTRIES
	WORLD OF CURL
971	10TH INNING CARDS
	BLUE SHIELD AGENT
	D&S FLOOR COVERINGS
	MISS PS PET SHOP
990	DOLAN LUMBER YARD
993	PINOLE FOSTER FRZ
1001	PINOLE HERCULES LGE

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SAN PABLO AVE 1987

SAN PABLO AV 94564
PINOLE

600	★EMBERS THE	724-4949	5
610.....	BUILDING		
	★AT YOUR FINGER TIPS	724-3280	+7
	★BARE NECSTY ELCTRLS	724-0561	+7
	★CHARLES CARPET SRV	724-7025	6
	★CINDERFELLA CHIMNEY	724-3938	+7
	★COLOR SPECTRUM THE	724-2411	+7
	★G&L SALES	724-4941	6
	★HAIRITAGE BTY SLN	724-3360	6
	★PETES PLACE	724-3335	6
	★SATELLITE ENGRG GRP	724-2074	+7
	★SILVERIDGE BARBER	724-1024	+7
	★SNOW WHITE CLEANERS	724-0750	6
	★THE COLOR SPECTRUM	724-2411	+7
	★ULTRA TAN	724-0200	6
610 ...			
620	XXXX	00	
624	★ALFONSOS MEXCN REST	724-7998	+7
	★MARGIES HS OF DONUT	724-5982	+7
	★VIDEO CENTER	724-1017	+7
A	★NEW DELI THE	724-5335	+7

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SAN PABLO AVE 1987

SAN PABLO AV 94564 CONT

628	XXXX	00
632	★BLUE SKY TS SPORTS	724-2563 +7
	★HUNAN VILLA	724-1368 +7
	★TACHIKAWA RSTRNT	724-2090 +7
636	★GREENWOOD GARDENS	724-5091 3
640	HENNESSEY LOUIS	724-4586 +7
	HENNESSEY MARY	724-4586 +7
	★PUBLIC STORAGE	724-2407 3
650	★CLEMES&CLEMES INC	724-2036 4
655	FRANCIS TONY	724-6325 2
656	XXXX	00
665	XXXX	00
666	XXXX	00
674	PIRES MANUEL	724-6537 2
675	XXXX	00
690	★KURTS PLUMBING	223-7101 9
711	XXXX	00
720	BRADSHAW PHILLIP	724-8174 6
	DOCKERY JOS	724-5763 +7
722	XXXX	00
725	★GLORIA DEI LUTH CH	724-4782 3
730	★DIMICK TIRE&BRAKES	724-8473 6
B	★DIMICK TIRE&BRAKES	724-5200 6
B	★JIM DANDY TRNSMISSN	724-3101 3
D	★SOARES ABEL R&ASCTS	724-4616 5
D	★SPECIALTY DRILLING	724-4221 5
745	APARTMENTS	
	BLACK N	724-5595 +7
	BURTON ROSE C	724-6350 +7
	CARROLL TROY A	724-0114 4
	COHEN ANTHONY	724-4205 +7
	OWENS MEL	724-7243
	OWENS MEL MRS	724-7243
	PALAZZO FORTUNATO	724-1910 3
	PATZLAFF D	724-3542 3
	RUBLE EARL G	724-1617 +7
	WALLMUTH ORRIN C	724-6913 3
	★YOUR BEAUTY COLOR	724-6350 +7
745		
747	DILLARD TIM	724-0763 6
	EMMONS DAN	724-2080 6
	EMMONS DEBBIE	724-2080
	FAPZAM BERLING S	724-0186 +7
	LAMBE IVON	724-0484 +7
760	★BRADSHAW CNCRT TOOL	758-4912
775	CASTRO LAWRENCE	724-6318 5
781	★WAN WILLIAM OD	724-1000 3
785	XXXX	00
787	XXXX	00
789	XXXX	00
790	★CONTCSTA CO ANML SV	724-1036 +7
791	BAGWELL PAUL	724-0234 6
794	XXXX	00
795	★MCMULLEN GLASS CO	724-7116 3
797	DOCKERY JOE	724-6853 2
799	XXXX	00
800	★SUGAR CTY BLDG MTRL	724-3412 4
815	FERNANDEZ TONI	724-6640 2
	★PLAYTIME CLUB	724-9911 3
825½	RAYBURN M	724-1015 4
850	★ANTHONY ARLEY E	223-6121
	★ANTHONY AUTO WRCKRS	724-3045 5
852	★SELL RITE AUTO SLS	758-1800
855	★GABLES MOTEL	724-3509 4
870	ULVERSOY J C	724-2476 2
890	★PAIN IN THE DRAIN	223-7246 6
	★ROTEX	233-4884 +7
	★SUPERB MCHNCL PLBG	724-2610 3
893	★M C RSDNTL CARE HM	724-4353 4
	MATTOS HAZEL	724-0512 3
894	LEWIS TERRANCE	724-4527 +7
900	★BOLD EAGLE TRUCKING	724-2666 5
	★MCFARLAND DEVELPMNT	724-3100
	★MIRA VISTA REL EST	724-3100
901	XXXX	00
935	XXXX	00
951	★W F O MTRCYCL ACSRY	724-3336 +7
953	★THE WORLD OF CURL	724-2110 5
	★WORLD OF CURL	724-2110 3
B	★WEST CNTRA CST TRNT	724-7993 6
979B	★PINOLE MUSIC SHOPPE	724-4240 5
971	★D&S FLOOR COVERINGS	724-0575 3
	★METRO CONTACT LENS	724-6001 1
C	★MISS PS PET SHOP	724-8785 2
D	★BLUE CROSS AUTH SLS	724-3780 5
D	★BLUE SHLD CA SALES	724-3780
D	★PERRAULT WAYNE INS	724-3780 4
990	★DOLAN LUMBER PINOLE	529-0455 9
	★DOLAN P E LUMBER CO	724-8753
	★DOLANS OF PINOL LBR	724-8753
993	★FOSTER FREEZE	724-8782 1
	★PINOLE FOSTER FRZ	724-8782 1
1001	★PINOLE HERCULES LGE	724-1414 3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SAN PABLO AVE 1983

SAN PABLO AV 94564
PINOLE

620	SIMPLY PRISILLAS	724-4490	+3
624	G&L SALES	758-4841	2
628	WAGOH WHEEL BAR	724-2682	+3
636	GREEHWOOD GARDEHS	724-5091	+3
640	PUBLIC STORAGE	758-2407	2
	PUBLIC STCRAGE	724-2407	+3
	WARDEN LORENE	724-3776	+3
650	CLEMEB&CLEMES INC	758-2036	6
	RAMOHAS CUSTOM INTR	799-3434	9
655	FRANCIS TONY	724-6325	2
656	XXXX	00	
665	XXXX	00	
666	XXXX	00	
674	PIRES MANUEL	724-6537	2
675	XXXX	00	
690	KURTS PLUMBING	223-7101	9
711	XXXX	00	
720	ROBERTS DAVID D	724-9082	2
722	GOLF PINOLE MIDGET	724-2950	+3
	PINOLE MIDGET GOLF	758-2950	2
725	GLORIA DEI LUTH CH	724-4782	+3
730B	DIMICK TIRE&BRAKES	724-5200	+3
B	JIM DAHDY TRNSMISSH	724-3101	+3
745.....	APARTMENTS		
	EDDINGS HOWARD SR	724-3384	2
	LARUE JEANNIE	724-6749	2
	LOAIZA JAMIE	724-0510	+3
	NICOLI MICHAEL J	724-6411	2
	OWENS MEL	724-7243	+3
	PALAZZO FORTUNATO	724-1910	+3
	PATZLAFF D	724-3542	+3
	PETERS NICHOLAS	724-2237	+3
	PETERSON AGDA M	724-1228	+3
	WALLMUTH ORRIN C	724-6913	+3
	WHITE M A	724-6972	2
745.....			
747.....	APARTMENTS		
	BRANDT J D	724-2017	+3
	CARROLL TOM	724-2092	+3
	CARSTENSEN DAVID	724-6694	+3
	ERICKSON WYNSTON JR	724-6291	2
	GARLIN D	724-2179	+3
	KERSTEN GENE	724-6585	2
	OWEN MICHAEL	724-6076	2
	SMITH JIM	724-6750	2
	WILSON TRACEY	724-6644	2
	WRIGHT DAVID	724-6974	2
747.....			
760	BRADSHAW CHCRT TOOL	758-4912	
781	WAN WILLIAM OD	724-1000	+3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SAN PABLO AVE 1983

SAN PABLO AV		94564 CONT	
785	XXXX	00	
787	NORTON MARK	724-7428	+3
789	XXXX	00	
790	CONTCSTA CO ANIMAL	235-7666	2
	CONTRCST CO ANIMAL	235-7666	+3
	RICHMND CTY ANIMAL	235-7666	+3
794	DAVIDSON GEORGE K	222-2886	8
	SIMONETTA JOE	724-9697	2
795	MCMULLEN GLABS CO	724-7116	+3
797	DOCKERY JOE	724-6653	2
799	XXXX	00	
800	SUGAR CTY BLDG MTRL	758-3412	
815	FERNANDEZ TONI	724-6640	2
	PLAYTIME CLUB	724-9911	+3
825	RINOLE BAIT&TACKLE	758-9042	1
850	ANTHONY ARLEY E	223-6121	
	ANTHONY AUTO WRCKRS	758-3045	1
	ANTHONY AUTO WRCKRS	223-6121	1
852	SELL RITE AUTO SLS	758-1800	
855	GABLES MOTEL	758-3509	
870	ULVERSOY J C	724-2476	2
890	AMER HM SHIELB MECH	724-2610	+3
	BUPERB MCHNCL PLBG	724-2610	+3
893	M C RESIDNTL CR HM	758-4353	1
	MATTOS HAZEL	724-0512	+3
894	BLACK RICHARD	724-6201	2
900	VIDEOCADE	724-3100	+3
901	ROSE LAURA	724-2038	2
935	XXXX	00	
951	FIRST AMER TTL PRLE	724-8812	2
A	CONTL HOME SERVICE	724-0524	+3
953	KIMEL IHC	724-7984	+3
	THE WORLD OF CURL	758-2118	7
	WORLD OF CURL	724-2110	+3
B	WEST CC CO TRANSIT	724-7993	+3
970	XXXX	00	
971	D&S FLOOR COVERIHGS	724-0575	+3
	METROPLTN CNTCT LNS	724-6001	1
B	PERRAULT WAYHE IHS	724-3780	+3
C	MISS PS PLACE PETS	724-8785	2
990	DOLAN LUMBER CD	724-8753	1
	DOLAH P E LUMBER CO	529-0455	9
	DOLAN P E LUMBER CO	724-8753	
	DOLANS OP PINOL LBR	724-8753	1
993	FOSTER FREEZE	724-8782	1
	PINOLE FCSTER FRZ	724-8782	1
1001	PIHOLE HERCULES LGE	724-1414	+3
1061	EVANS JOHN S DDS	724-6161	2

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SAN PABLO AVE 1976

SAN PABLO AV 94564 PINOLE

```
 650*CLEMES&CLEMES        758-2036+6
    *POLY STONE ORIGINAL758-4100 5
 655 FRANCIS TONY         758-2293
 656*HONDA OF PINOLE      758-1600
 665 CLEMES ROY B         758-2036
 675 ESTRADA JOS          758-9101+6
    *PINOLE TAXI          758-2330+6
 690*MCMULLEN GLASS CO    758-6616
 711 HANSELL NORMAN       758-3955 5
 725*GLORIA DEI LUTH CH 758-4782
745....APARTMENTS
     ANDERSON RAY P REV 758-2858+6
     FIRPO ALLAN G        758-5928+6
 19  GALVEZ JOHN J        758-4295 5
     GARSEE JON           758-9608+6
 10  KOVASH PAUL          758-1247 5
 10  PALAZZO FORTUNATO    758-1911 5
     SORRELL J A          758-9453 5
     WHITE ROBT JOE       758-1681+6
     YORK E J             758-6763+6
745.......................
747....APARTMENTS
 13  BALLARD DAVID        758-3906 5
     BLALOCK B            758-0962+6
 10  DURANTE PAUL         223-4458 5
 17  DURHAM L             758-9042 5
     ERICKSON WYNSTON JR758-6291+6
     HARTMAN BRUCE        758-8258+6
  2  KING D C             758-6058 5
 20  KUHLMANN MICHAEL M 758-8637 5
  5  MOORE RICHARD        758-6962 5
     PARDI JOHN           758-5093+6
747.......................
 760*BRADSHAW CONCRETE   758-4912 2
 781*SECURITY PAC RL EST223-0223 5
 785 KOSA TONY            758-3893+6
 787  XXXX                00
 789 KIEHL ROBT G         758-8584+6
 790*CONTRA CST ANML CTR235-7666 2
 791 SHEWFELT MARK        758-9201+6
 794 MCCARTY DONNA        758-3749 2
     SIMONETTA JOE        758-9697 5
 795*PINOLE AUTO CLINIC 758-4252 4
 797 DOCKERY JOE          758-5957 4
 800*SUGAR CTY BLDG MTRL758-3412 2
 815*PLAYTIME CLUB        758-9964
 825*DALES ALIGNMENT      758-8160+6
    *TIME OIL SERVICE     758-8160+6
 850*ANTHONY ARLEY E      223-6121 4
    *ANTHONY AUTO WRCKRS758-3045 2
 852*SELL RITE AUTO SLS 758-1800
 855*BRUN HAZEL GABLES   758-3509 5
     CAMPODONICO F L      758-0875+6
    *GABLES MOTEL         758-3509
 870 CLARK WM B MRS       758-3840
 893*CORWIN MDWS REST HM758-4353 5
     HEMLEB EDW           758-3608+6
 894*EAST BAY JNTRL SERV758-8330+6
     HATHERILL GEO        758-9214+6
 900*GEORGES PIZZA        758-9949+6
 901 ROSE LAURA           758-0468
 951*FOREIGN AUTO PARTS 758-6922+6
 970*DUMONT CO REALTORS 758-8800 2
 990*DOLAN LUMBER PINOLE758-1611
    *DOLANS LUMBER CO    529-0455 5
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SAN PABLO AVE 1976

..SAN PABLO AVE 94564 CONT..
*DOLANS PINOLE LUMBR 758-1611
993*FOSTERS FREEZE 758-4424

APPENDIX E

REGULATORY AGENCY RECORDS

ANNA M. ROTH, RN, MS, MPH
HEALTH SERVICES DIRECTOR

RANDALL L. SAWYER
DEPUTY HEALTH DIRECTOR

MATTHEW S. KAUFMANN
DIRECTOR OF HAZARDOUS MATERIALS PROGRAMS

CONTRA COSTA
HEALTH SERVICES

CONTRA COSTA
HAZARDOUS
MATERIALS PROGRAMS

4585 Pacheco Boulevard, Suite 100
Martinez, California 94553

Ph (925) 655-3200
Fax (925) 646-2073

ccchazmat@cchealth.org
www.cchealth.org/hazmat/

Public Records Request Form

SR#_____
(office use only)

Date: August 17, 2022

Name: Lea Palumbo **Business Name:** AEI Consultants

Address: 2500 Camino Diablo **Phone #:** (925) 708-7325

Walnut Creek, CA **E-mail:** lpalumbo@aeiconsultants.com

I am requesting the following public record(s) from Contra Costa Health Services Hazardous Materials Programs.

RECORD(S) REQUESTED: (Use additional form (s) if more space is needed)

I am looking to obtain electronic copies of all records related to hazardous materials, aboveground storage tanks, and underground storage tanks on file for the following site:
830 San Pablo Avenue,
Pinole, CA 94564
(APNs: 4402230022, 4402230020, 4402230018, 4402230017, 4402230016, and 4402230015)
Thank you.

Our records are available electronically. We will send the requested records via email. If PDF files are too large to send via email, we will place the files on a disc or thumbdrive and ask you to choose one of the following methods below.

☐ Please copy the record(s) and send FedEx to the above mailing address.
The cost is $15.00 and is payable by check or credit card (Visa, Discover or M/C).

☐ Please copy the record(s) and notify me when ready for pick up.
The cost is $3.00 and is payable by check or cash (**MUST BE EXACT**).

You may email the completed form to ccchazmat@cchealth.org, or mail or hand deliver to Contra Costa Health Services Hazardous Materials Programs at 4585 Pacheco Blvd., Suite 100, Martinez, CA 94553; or FAX to (925) 646-2073.

Office Use Only:

Date Received_____ Completed_____ ☐No records exist responsive to this request.

Picked Up_____ or FedEx_____ XR_____ Time Spent_____

Rev. August 2020

Re: (AEI #467803) Public Records Request

ccchazmat <ccchazmat@cchealth.org>
Thu 8/18/2022 7:58 AM
To: Lea Palumbo <lpalumbo@aeiconsultants.com>

Good morning,

We have no records for 830 San Pablo Ave, Pinole.

Our records go back to 1986, anything prior to this would be the jurisdiction of the local fire department.

Let me know if you have any questions.

Best Regards,

Erika Amaya, Clerk Specialist
Contra Costa Health Services
Hazardous Materials Programs
4585 Pacheco Blvd., Suite 100
Martinez, CA 94553

(925) 655-3200 Phone
(925) 646-2073 Fax
ccchazmat@cchealth.org

From: Lea Palumbo <lpalumbo@aeiconsultants.com>
Sent: Wednesday, August 17, 2022 3:39 PM
To: ccchazmat <ccchazmat@cchealth.org>
Subject: [EXTERNAL] (AEI #467803) Public Records Request

Hello,

Please see the attached request for records.

Best,

Lea Palumbo (She/Her)
Project Manager

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
O: 925.746.6087
C: 925.708.7325
E: lpalumbo@aeiconsultants.com

City of Pinole

California

Public Records Center

Public Records Menu

- Home
- Submit a Records Request
- My Records Center
- Search by Reference Number
- Logout

View Message(s)

Request Type:	Public Records Request
Contact E-Mail:	lpalumbo@aeiconsultants.com
Reference No:	R000360-081722
Status:	No Records Exist
Balance Due:	$0.00
Payments:	$0.00

FAQs

See All FAQs

What is a public record?

Are public records requests confidential?

Public records are documents or pieces of information that are not considered confidential and generally pertain to the conduct of government.

Type of Record(s) Requested:	Building Permits
Please Indicate Full Street Address:	830 San Pablo Avenue, Pinole (If applicable)
Describe the Record(s) Requested:	Hello, I am looking to obtain electronic copies of all building permits on file for the property located at: 830 San Pablo Avenue, Pinole, CA 94564 (APNs: 4402230022, 4402230020, 4402230018, 4402230017, 4402230016, and 4402230015) Thank you.

Please be specific with your

Powered by GovQA

document(s) requested are not available electronically, we will make them available for inspection or by paper copy in accordance with the Public Records Law.

New Message | Return to List

Messages 3

Print Messages (PDF)

On 8/25/2022 9:50:15 AM, Pinole Records Request Center wrote:

Subject: [Records Center] Public Records Request :: R000360-081722
Body:
RE: Public Records Request of August 17, 2022, Reference # R000360-081722

Dear Lea Palumbo,

The City of Pinole received a public records request from you on August 17, 2022. Your request mentioned:

> **Hello, I am looking to obtain electronic copies of all building permits on file for the property located at:**
> **830 San Pablo Avenue,**
> **Pinole, CA 94564**
> **(APNs: 4402230022, 4402230020, 4402230018, 4402230017, 4402230016, and 4402230015)**
> **Thank you.**

The City of Pinole has reviewed its files and has determined there are no responsive record(s) to your request.

For questions or additional information, please reply to this email.

Sincerely,

Connie Kim
Community Development

On 8/17/2022 3:41:48 PM, Pinole Records Request Center wrote:

On 8/17/2022 3:41:46 PM, Lea Palumbo wrote:

City of Pinole

California

Public Records Center

Public Records Menu

View Message(s)

- Home
- Submit a Records Request
- My Records Center
- Search by Reference Number
- Logout

Request Type:	Public Records Request
Contact E-Mail:	lpalumbo@aeiconsultants.com
Reference No:	R000361-081722
Status:	No Records Exist
Balance Due:	$0.00
Payments:	$0.00

FAQs

See All FAQs

What is a public record?

Are public records requests confidential?

Public records are documents or pieces of information that are not considered confidential and generally pertain to the conduct of government.

Type of Record(s) Requested:	Other / Multiple Departments
Please Indicate Full Street Address:	830 San Pablo Avenue, Pinole (If applicable)
Describe the Record(s) Requested:	I am looking to obtain electronic copies of all records on file with the Fire Department related to hazardous materials, aboveground storage tanks, and underground storage tanks on file for the property located at:

Powered by GovQA

Preferred Method to Receive Records: Electronic via Records Center

Please note not all public documents are available in electronic format. If the document(s) requested are not available electronically, we will make them available for inspection or by paper copy in accordance with the Public Records Law.

New Message | Return to List

Messages 3

Print Messages (PDF)

On 8/28/2022 3:48:58 PM, Pinole Records Request Center wrote:

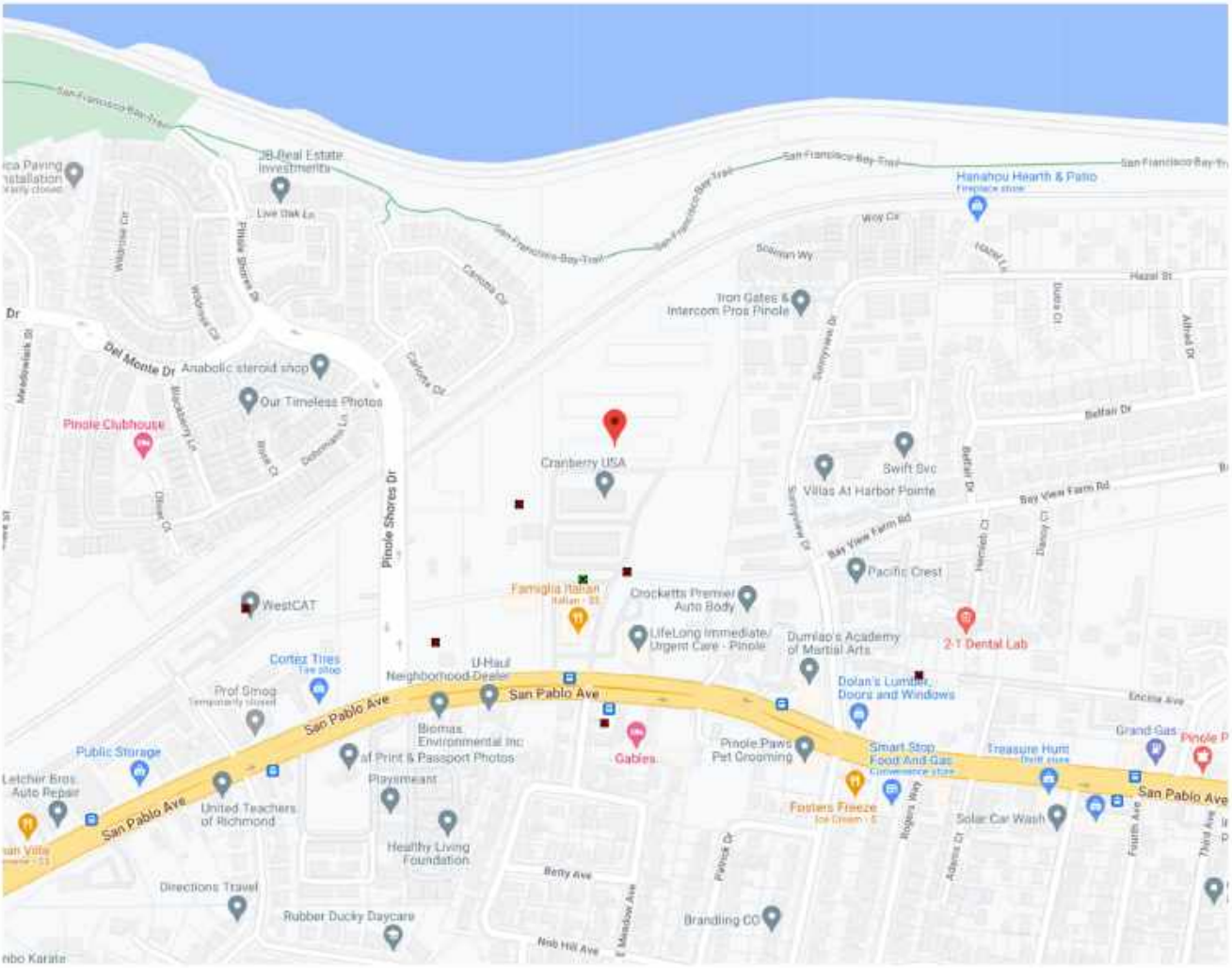
Subject: [Records Center] Public Records Request :: R000361-081722
Body: After thoroughly checking fire department's records, including fire marshal, we have no records for 830 San Pablo Ave.

On 8/17/2022 3:43:26 PM, Pinole Records Request Center wrote:

On 8/17/2022 3:43:25 PM, Lea Palumbo wrote:

Powered by GovQA

GeoTracker Search for a Project Search for an Address Home Download Data Tools Contact Us



LEGEND - CHOOSE MORE SITES

- LUST Cleanup Sites - REMOVE
- Cleanup Program Sites - REMOVE
- Military Cleanup Sites - REMOVE
- Military Privatized Sites - REMOVE
- Military UST Sites - REMOVE

Signifies a Closed Site

ACTIVE MAP COVERAGES:

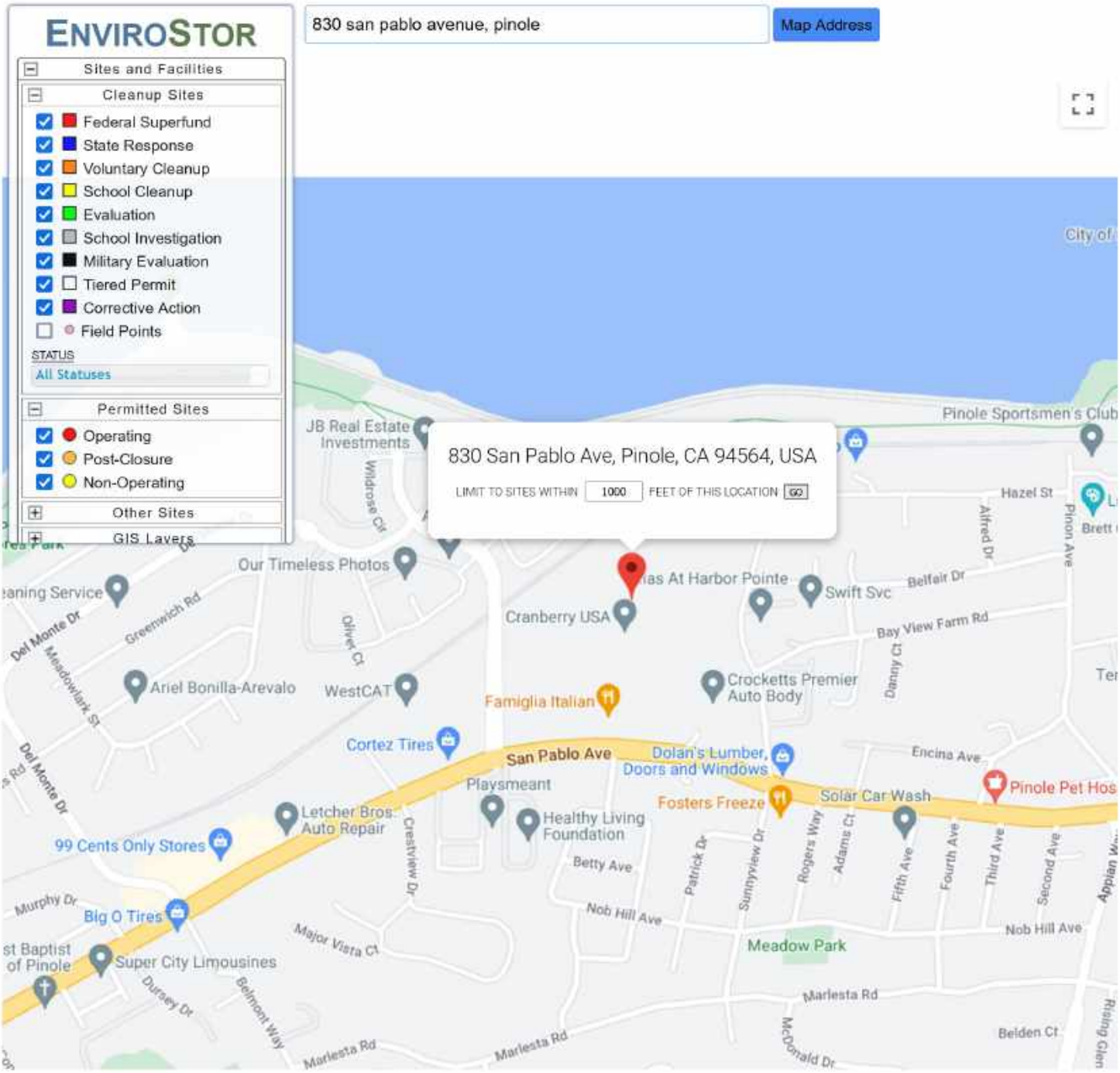
- Military Bases - REMOVE

SITES VISIBLE ON MAP - CHOOSE FIELDS

SITE NAME	STATUS
ANTHONY AUTO WRECKERS INC	COMPLETED - CASE CLOSED
ANTHONY'S AUTO WRECKING	COMPLETED - CASE CLOSED - LAND USE RESTRICTIONS
BRADSHAW CONCRETE	COMPLETED - CASE CLOSED
FOOD & LIQUOR	COMPLETED - CASE CLOSED
SUGAR CITY BUILDING MATERIALS COMPANY	COMPLETED - CASE CLOSED
TIME OIL COMPANY	COMPLETED - CASE CLOSED
WOODTA-BUS OPERATION MAINT	COMPLETED - CASE CLOSED

50 m Map data ©2022 Google

Sites Shown on Map: 7 Total Sites 0 Open Sites 7 Closed Sites 2 Sites w/Water Quality Data

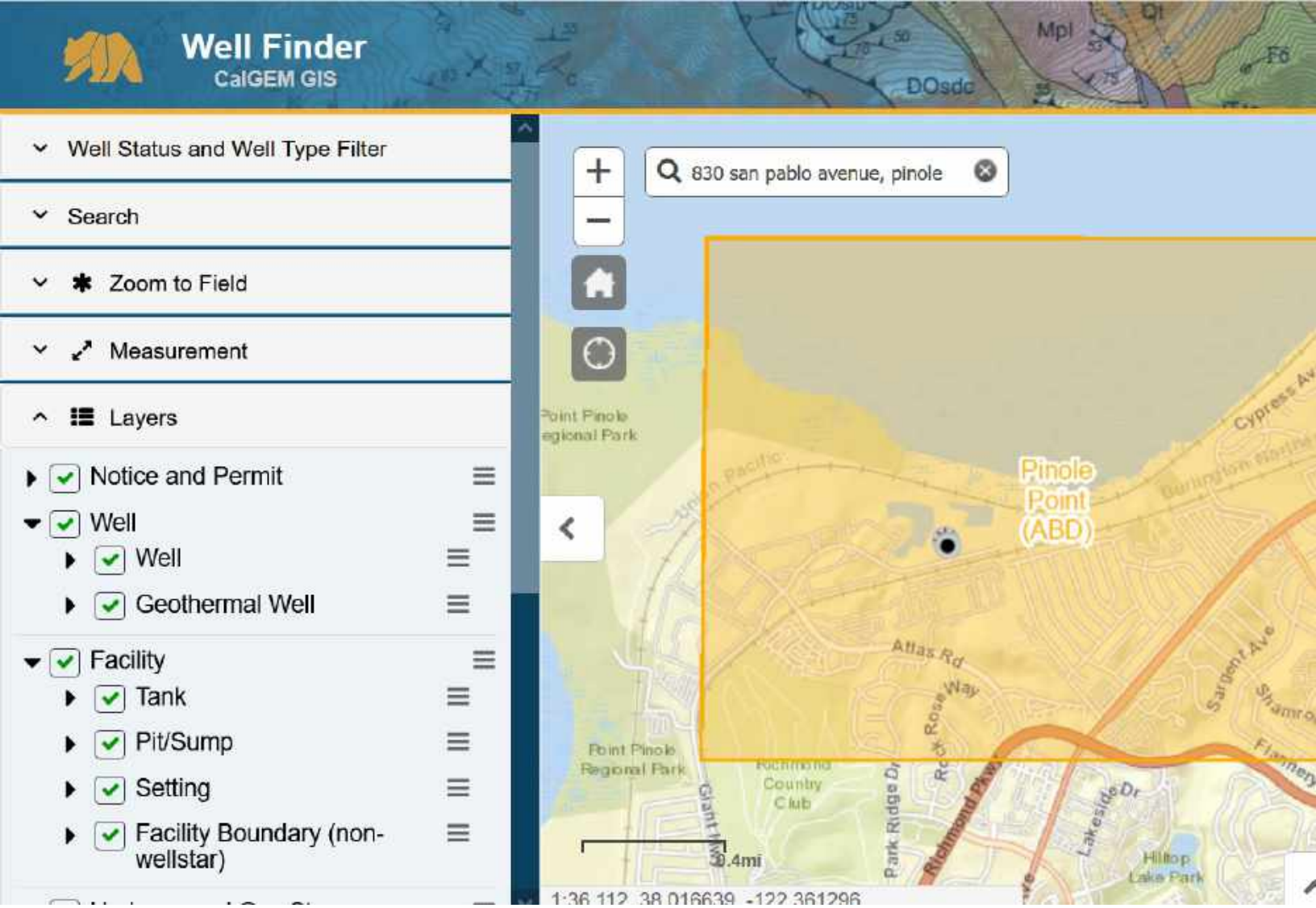


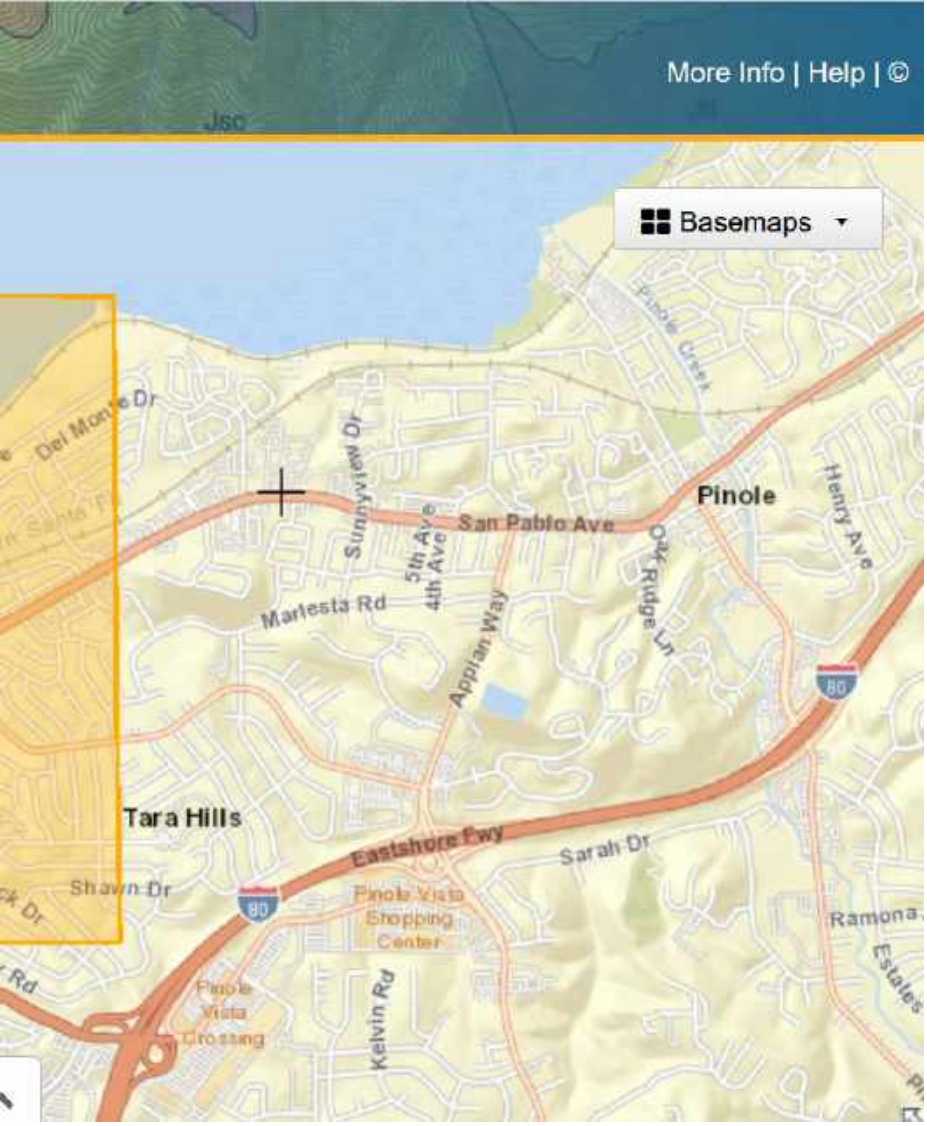
SITES CURRENTLY VISIBLE ON MAP

0 SITES LISTED

EXPORT THIS LIST TO EXCEL

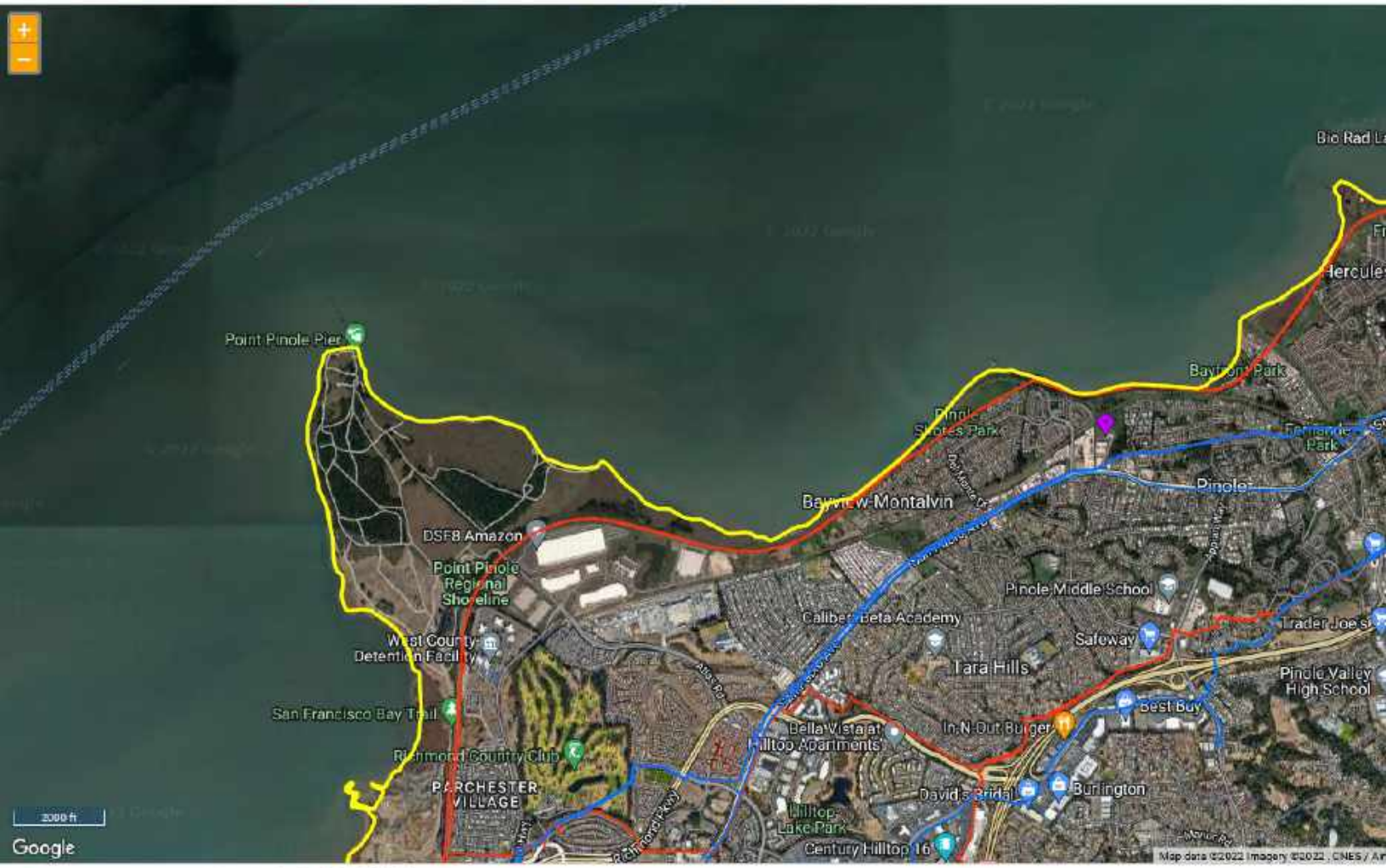
PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY


Well Finder
CalGEM GIS
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
Notice and Permit
Well
Well
Geothermal Well
Facility
Tank
Pit/Sump
Setting
Facility Boundary (non-wellstar)
830 san pablo avenue, pinole
Pinole Point (ABD)
Point Pinole Regional Park
Richmond Country Club
Atlas Rd
Rock Rose Way
Park Ridge Dr
Richmond Pkwy
Lakeside Dr
Sargent Ave
Cypress Av
Hilltop Lake Park
0.4mi

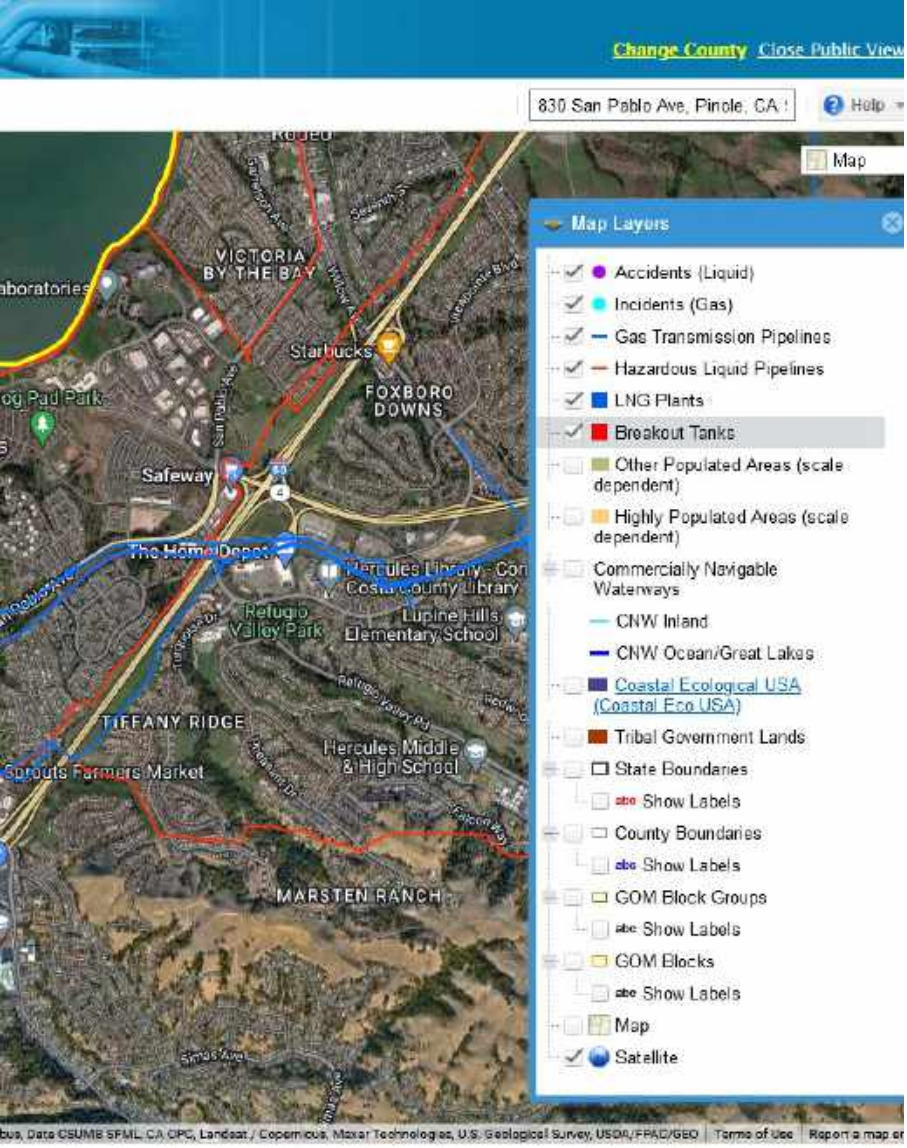

More Info | Help | ©
Basemaps
Del Monte Dr
Sunnyview Dr
5th Ave
4th Ave
San Pablo Ave
Pinole
Henry Ave
Marlesta Rd
Applian Way
Oak Ridge Ln
80
Tara Hills
Eastshore Fwy
Sarah Dr
Shawn Dr
Pinole Vista Shopping Center
Ramona
Estates
Pinole Vista Crossing
Kelvin Rd

Public Viewer

Map Layers | Query Tools



Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 37.998105, -122.274986



Map Showing Pipelines in: Contra Costa, CA

Fidelity
National Title

28

Recording Requested By:

Arley Anthony
5 Salmon Lane
Pinole, CA 94564
2230216

When Recorded, Mail To:
Loretta K. Barsamian
Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

CONTRA COSTA Co Recorder Office
STEPHEN L. WEIR, Clerk-Recorder
DOC- 2002-0482270-00
Check Number
Tuesday, DEC 17, 2002 12:02:00
MIC $1.00 MOD $28.00 REC $32.00
TCF $27.00
Ttl Pd $88.00 Nbr-0001215308
ima/R4/1-28

COVENANT AND ENVIRONMENTAL RESTRICTION
ON PROPERTY

Anthony Auto Wreckers
850 San Pablo Avenue
Pinole, CA 94564

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the 13 day of Dec., 2002 by Arley E. Anthony ("Covenantor") who is the Owner of record of that certain property situated at 850 San Pablo Avenue, in the City of Pinole, County of Contra Costa, State of California, which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference (such portion hereinafter referred to as the "Burdened Property"), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Board"), with reference to the following facts:

A. The Burdened Property contains hazardous materials.

B. Contamination of the Burdened Property. Soil at the Burdened Property was contaminated by the previous site use as an auto wrecking facility. These operations resulted in contamination of soil with inorganic chemicals including lead and organic chemicals including petroleum hydrocarbons (TPH), which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260. In June and July 2002, about 2,800 tons of lead-affected soil and about 742 tons of TPH-affected soil were excavated from the site and disposed of at an off-site landfill. Results of the post-excavation confirmation sampling indicate residual lead concentrations at levels below 750 mg/kg, the threshold maximum concentration for a commercial/industrial use, and therefore, the residual levels of lead in site soils do not pose a health concern for commercial/industrial use of the property. However, residual lead concentrations in soil are above 255 mg/kg, the levels permissible for a potential residential use. Therefore, the soils must be properly managed should they ever be exposed in the future or

12/13

should the property be redeveloped for more sensitive land uses.

C. Exposure Pathways. Lead and TPH are present in soil on the Burdened Property. Exposure to these contaminants could take place via in-place contact, surface-water runoff, and wind dispersal, resulting in dermal contact, inhalation, or ingestion by humans etc. Risk to TPH exposure from site soils has been mitigated by the excavation in the TPH-impacted areas and confirmation sampling indicating residual levels less than the approved screening levels for TPHd (500 mg/kg) and TPHmo (1,000 mg/kg). The risk of public exposure to TPH in soils has been substantially lessened by the remediation and controls described herein. Exposure to lead will be mitigated through the controls described in this deed restriction.

D. Adjacent Land Uses and Population Potentially Affected. The Burdened Property is currently zoned for commercial/industrial use and is adjacent to industrial land uses.

E. Full and voluntary disclosure to the Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted.

F. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that may result from hazardous materials that may have been deposited on portions of the Burdened Property.

ARTICLE I
GENERAL PROVISIONS

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Board.

1.2 Concurrence of Owners and Lessees Presumed. All purchasers, lessees, or possessors of any portion of the Burdened Property shall be deemed by their purchase, leasing, or possession of such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions as herein established must be

adhered to for the benefit of the Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

ARTICLE II
DEFINITIONS

2.1 Board. "Board" shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, regradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupants. "Occupants" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. "Owner" or "Owners" shall mean the Covenantor and/or its successors in interest, who hold title to all or any portion of the Burdened Property.

2.5 SMP. "SMP" shall mean the Soil Management Plan, dated October 3, 2002, and prepared by LFR Levine-Fricke for the Burdened Property and approved by the Board, a copy of which is attached to this Covenant as Exhibit B and incorporated into this Covenant by this reference, as such plan may be amended from time to time with approval of the Board.

ARTICLE III
DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY

3.1 Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

a. Development of the Burdened Property shall be restricted to industrial, commercial and/or office space;

b. All Owners and Occupants shall comply with the SMP. Any contaminated soils brought to the surface by grading, excavation, trenching, or backfilling shall be managed in accordance with the SMP and all applicable provisions of local, state and federal law;
c. No residence for human habitation shall be permitted on the Burdened Property;
d. No hospitals shall be permitted on the Burdened Property;
e. No schools for persons under 21 years of age shall be permitted on the Burdened Property;
f. No day care centers for children or day care centers for Senior Citizens shall be permitted on the Burdened Property;
g. All uses and development of the Burdened Property shall be consistent with any applicable Board Order or the SMP, each of which is hereby incorporated by reference including future amendments thereto. All uses and development shall preserve, any remedial measures taken on the Burdened Property pursuant to the requirements of the Board, unless otherwise expressly permitted in writing by the Board.
h. No Owners or Occupants of the Property or any portion thereof shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including but not limited to, domestic, potable, or industrial uses, unless expressly permitted in writing by the Board.
i. The Owner shall notify the Board of each of the following: The type, cause, location and date of any disturbance that is not in compliance with the SMP. Notification to the Board shall be made by registered mail within ten (10) working days of both the discovery of such disturbance and the completion of repairs;
j. The Covenantor agrees that the Board, and/or any persons acting pursuant to Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.
k. No Owner or Occupant of the Burdened Property shall act in any manner that will aggravate or contribute to the existing environmental conditions of the Burdened Property. All use and development of the Burdened Property shall preserve the integrity of the remedial measures taken, and shall comply with the SMP.

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the restrictions, as set forth in paragraph 3.1, shall be grounds for the Board, by reason of this Covenant, to have the authority to require that the Owner modify or remove any Improvements constructed in violation of that paragraph. Violation of the Covenant shall be grounds for the Board to file civil actions against the Owner as provided by law.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or leases relating to the property. Any such instrument shall contain the following statement:

> The land described herein contains hazardous materials in the soil, and is subject to a deed restriction dated as of 13 day of Dec., 2002, and recorded on 12-17-02, 2002, in the Official Records of Contra Costa County, California, as Document No. 482270, which

Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

ARTICLE IV
VARIANCE AND TERMINATION

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Board for a written variance from the provisions of this Covenant.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

ARTICLE V
MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested:

If To: "Covenantor"
Arley E. Anthony
5 Salmon Lane
Pinole, CA 94564

If To: "Board"
Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, California 94612

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Contra Costa within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

Covenantor: _____

By: Arley E. Anthony

Title: Owner

Date: 12-13-02

Agency: State of California
Regional Water Quality Board,
San Francisco Bay Region

By: Loretta K. Barsamian

Title: Executive Officer

Date: December 13, 2002

482270

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of Alameda } ss.

On 12/13/2002 (Date), before me, Howard Leong, Notary Public (Name and Title of Officer (e.g., "Jane Doe, Notary Public")),

personally appeared LORETTA K BARSAMIAN (Name(s) of Signer(s)),

☐ personally known to me
☑ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

HOWARD LEONG
COMM. # 1362761
NOTARY PUBLIC – CALIFORNIA
ALAMEDA COUNTY
My Comm. Expires JUN 28, 2006

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: COVENANT AND ENVIRON. RESTRICT. ON PROP.

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

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482270

STATE OF CALIFORNIA

COUNTY OF CONTRA COSTA

On December 13, 2002 before me, S. Rush
(Name, Title of Officer)

personally appeared Arley E. Anthony

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(Signature of Notary Public)

S. RUSH
Commission # 1309125
Notary Public - California
Contra Costa County
My Comm. Expires Jul 13, 2005

(This area for notarial seal)

482270

STATE OF CALIFORNIA)
)
COUNTY OF CONTRA COSTA)

On 12/13, 20 02 before me, the undersigned a Notary Public in and for said state, personally appeared [Covenantor], personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.

WITNESS my hand and official seal.

Notary Public in and for said
County and State

S. RUSH
Commission # 1309125
Notary Public - California
Contra Costa County
My Comm. Expires Jul 13, 2005

STATE OF CALIFORNIA)
)
COUNTY OF _____)

On _____, 20__ before me, the undersigned a Notary Public in and for said state, personally appeared [EXECUTIVE OFFICER], personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.

WITNESS my hand and official seal.

_____
Notary Public in and for said
County and State

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

EXHIBIT A

Portion of Lot C as shown on the map of Dohrman Ranch, filed December 21, 1895, in Map Book E, page 115, in the office of the County Recorder of Contra Costa County, being the tract of land described as parcel One in the deed from Leslie Edwin Manning, et ux, to J. H. Wood, et ux, recorded January 16, 1951, in book 1702 of Official Records, page 546, as follows:

"Beginning at the point of intersection of the western line of said Lot C with the northern line of State Highway IV C. C. 14 A said point of intersection being North 18° 47′ 30"

East, 25.64 feet from the southwest corner of the parcel of land described in the Deed from Albert F. Castro, et al, to antonio Coppa, dated April 15, 1927, recorded June 28, 1927, in book 90 of Official Records, page 135, thence from said point of beginning, easterly along the northern line of said State Highway and along the arc of a curve to the right, the center of which bears South 2° 05′ 20" East, 3050 feet through a central angle of 5° 24′ an arc distance of 287.65 feet; thence leaving the northern line of said highway, North 9° 24′ 30" East, 669.19 feet to a 2" x 2" hub, thence north 1° 44′ East, 595.64 feet to a 8" x 8" post on the southeastern line of the Atcheson, Topeka and Santa Fe Railway right of way; thence along the southeastern line of said right of way, the following courses and distances; South 55° 18′ West, 8.37 feet, South 54° 50′ West, 30.60 feet, South 54° 20′ West, 28.82 feet, South 54° 11′ West, 30.35 feet and South 53° 53′ West, 361.56 feet, to an iron pipe on the western line of said Lot C; thence leaving said right of way and along the western line of said Lot C, South 0° 08′ 30" east, 849.94 feet to a 1/2" iron pipe; thence continuing along the western line of said Lot C, South 18° 47′ 30" West, 139.91 feet to the point of beginning.

EXCEPTING THEREFROM: The parcel of land described in the Deed from Antonio Coppa to East Bay Municipal Utility District, a corporation dated December 18, 1935, recorded January 2, 1936, in book 390 of Official Records, page 222, but not excepting however, the rights reserved unto the grantor and his successors in said Deed.

ALSO EXCEPTING THEREFROM: the parcel of land described in the Deed from J. H. Wood, et ux, to Carl Adam Roy, et ux, recorded June 1, 1954, in book 2335 of Official Records, page 216.

ALSO EXCEPTING THEREFROM: That portion thereof described as follows:

PARCEL ONE: Beginning on the East line of the parcel of land originally described above at the North line of the strip of land described above at the North line of the strip of land described in said East Bay Municipal Utility District deed (390 OR 222); thence North 9° 24′ 30" East, along said East line, 100 feet; thence North 86° 32′ West, 160 feet; thence South 9° 24′ 30" West 125.95 feet to a north line of said East Bay Municipal Utility District parcel (390 OR 222); thence along said North line North 81° 09′ 27" East, 120.89 feet and South 86° 32′ East, 44.57 feet to the point of beginning.
PARCEL TWO: A non exclusive right of way as an appurtenance to Parcel one above for use as a roadway for vehicles of all kinds, pedestrians and animals, for water, gas, oil and sewer pipe lines and for telephone, electric light and power lines together with the necessary poles or conduits to carry said lines, over, under and across a strip of land 20 feet in width the west line of which is 20 feet westerly, measured at right angles from the east line thereof and which east line is described as follows:

Beginning at the Southeast corner of Parcel One above; thence South 9° 24′ 30" west, along the East line of the parcel of land originally described above, 334.06 feet to the North line of the State Highway.

Said West line to extend from the South line of Parcel One above to the North line of said State Highway.

EXHIBIT B

SOIL MANAGEMENT PLAN

482270

Soil Management Plan for Former Anthony's Auto Wrecking Property Pinole, California

October 3, 2002
001-08171-00-003

Prepared for
City of Pinole
2131 Pear Street
Pinole, California 94564

LFR
LEVINE • FRICKE

Printed on recycled materials

LFR
LEVINE•FRICKE

October 3, 2002

001-08171-00-003

Sampath Rangarajan
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Soil Management Plan for the Former Anthony's Auto Wrecking Property, 850 San Pablo Avenue, Pinole, California

Dear Sampath:

LFR Levine·Fricke (LFR) has prepared the attached Soil Management Plan (SMP) on behalf of the City of Pinole ("the City") for the former Anthony's Auto Wrecking Property, located at 850 San Pablo Avenue, Pinole, California ("the Site"). LFR understands that the City is considering acquiring the Site for industrial redevelopment. The Regional Water Quality Control Board (RWQCB) recommended the preparation of an SMP for use during redevelopment of the Site. The SMP addresses the management of naturally occurring soil and existing fill material at the Site.

The SMP presents sampling and health and safety procedures to be implemented during site development or future site modification that could disturb site soil, such as the repair of a subsurface utility. The SMP will facilitate regulatory site closure by providing a framework to manage residual concentrations of lead and petroleum hydrocarbons in soil at the Site in a manner that is protective of human health and the environment, including water quality.

The SMP will remain in effect unless future site development plans necessitate changes in land use. At such time, the RWQCB may require a re-evaluation of the soil and groundwater conditions at the Site and implementation of further remedial measures to address residual metals and petroleum-hydrocarbon-affected soil if warranted by the proposed changed land use.

If you have questions or comments, please call me at (510) 652-4500.

Sincerely,

Andrew M. Lojo, R.G.
Senior Associate Geologist

Enclosure

cc: Marcus Tartt, City of Pinole

1900 Powell Street, 12th Floor, Emeryville, California 94608-1827 • (510) 652-4500 • fax (510) 652-2246 • www.lfr.com
Offices Worldwide

CONTENTS

1.0 INTRODUCTION 1

2.0 SITE DESCRIPTION 1

3.0 BACKGROUND 2
- 3.1 Previous Environmental Investigations 2
- 3.2 Remedial Goals Established for Soil 3

4.0 SOIL REMEDIATION 4

5.0 SOIL MANAGEMENT PROTOCOLS DURING SITE DEVELOPMENT 5
- 5.1 Soil Management Strategy 5
- 5.2 Measures to Minimize Dust from Soil Movement and Handling 6
- 5.3 Reuse of Excavated Soil 6
- 5.4 Soil for Landscaped Areas 6
- 5.5 Contingency Protocols for Identifying Affected Media or Underground Structures 6
- 5.6 Access Control During Construction 8
- 5.7 Construction Worker Management Measures 8
- 5.8 Environmental Health and Safety Guidelines 9

TABLES

1 TPH and VOC Concentrations in Soil

2 Lead Concentrations in Soil

FIGURES

1 Site Location Map

2 Site Plan With Soil Boring Locations & Excavation Areas

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) has prepared this draft Soil Management Plan (SMP) on behalf of the City of Pinole ("the City") for the former Anthony's Auto Wrecking Property, located at 850 San Pablo Avenue, Pinole, California ("the Site"; Figure 1). LFR understands that the City is considering acquiring the Site for redevelopment. The portion of the Site previously used for auto wrecking activities (approximately 7 acres) is slated for industrial reuse. The remaining 7 acres, which has remained unused until now, is slated for residential redevelopment. This SMP is intended to provide protocols for managing residual soil remaining on the auto wrecking portion of the Site containing lead and total petroleum hydrocarbon (TPH) concentrations that are acceptable for industrial site reuse, although above natural background levels. The protocols are intended for use during site redevelopment and future maintenance that may require the disturbance of subsurface soil at the Site.

This SMP is intended to facilitate regulatory site closure by providing a framework to manage residual concentrations of lead and TPH in soil at the Site in a manner that is protective of human health and the environment, including water quality. The SMP identifies the general measures that must be implemented before, during, and after redevelopment of the Site. The SMP was prepared based on the results of field investigations and remedial activities conducted by LFR and on previous site investigative work conducted by Terrasearch, Inc. ("Terrasearch") and Geocon Geotechnical and Environmental Consultants ("Geocon").

This SMP will remain in effect unless future site development plans necessitate changes in land use. At such time, the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) may require a re-evaluation of the soil and groundwater conditions at the Site and implementation of further remedial measures to address residual concentrations of lead- and TPH-affected soil.

2.0 SITE DESCRIPTION

The Site, located at 850 San Pablo Avenue, Pinole, California, covers an area of approximately 14 acres, the western half of which was formerly used for auto wrecking activities. A site vicinity map is presented as Figure 1. The Site is bounded to the east by hilly undeveloped land with residential housing beyond, to the south by San Pablo Avenue and various businesses, to the west by industrial property, and to the north by the Atchison, Topeka, and Santa Fe Railroad and residences beyond. The northern two-thirds of the Site slopes gently downhill toward the railroad tracks and San Francisco Bay. The southern third of the Site forms a hill, which slopes to the south toward San Pablo Avenue after peaking on the Site. A site plan is presented as Figure 2.

Several scenarios for the industrial redevelopment of the Site have been proposed. The current redevelopment plan for the former auto wrecking parcel (approximately 7 acres)

includes the construction of an access road along the eastern boundary of the parcel. Five level building pads to be constructed along the western side of the access road are proposed for later industrial development.

3.0 BACKGROUND

3.1 Previous Environmental Investigations

In 2000, the City retained Terrasearch to provide preliminary environmental and geotechnical investigation services at the Site and to propose a remediation plan to address identified contaminants in soil. In March 2001, the City requested that LFR evaluate the remedial activities that Terrasearch recommended for the Site. Specifically, LFR reviewed the following Terrasearch documents:

- "Geotechnical Site Evaluation and Preliminary Grading Recommendations," dated January 24, 2001
- "Limited Phase I and II Environmental Site Assessment," dated January 25, 2001
- "Preliminary Cost Estimate for Removal of Contaminated Soil," dated February 8, 2001

Based on review of these reports, LFR recommended that more data be collected to assess whether soil at the Site needed to be removed to protect human health and the environment. LFR therefore conducted a further soil and limited groundwater investigation at areas of concern and reviewed the regulatory files from neighboring properties to evaluate the potential for migration of off-site contamination to the Site.

The results of LFR's investigation indicated that the potential for migration of contaminants onto the Site from off-site sources is low, including fuel conveyed in pipelines present in a Chevron Pipeline easement located in the southern portion of the Site (Figure 2).

Based on the results of the analytical data and information collected during LFR's investigation and on the previous investigation work conducted by Terrasearch and Geocon, LFR found that four areas of the Site had been affected by past site uses. Two of these areas (in the vicinity of boring LF-30 and test pit TP-6 and in the vicinity of boring LF-13; Figure 2) had elevated concentrations of lead in soil. A third area, in the vicinity of the former engine draining area (borings LF-5 and LF-6; Figure 2) had soil affected with TPH and low levels of volatile organic compounds (VOCs). The fourth area was the former underground storage tank (UST) area, which has already been closed by the RWQCB.

Because oil/water separators in the engine draining area were reported to have drained into the soil rather than the sewer system, groundwater sampling was conducted by LFR

in September 2001. During the groundwater investigation, LFR collected six grab groundwater samples from borings GW-1 through GW-6. Analytical results from these samples indicated that previous oil drainage from the oil/water separators has not significantly affected shallow groundwater in the area.

Based on the analytical results of these and previous groundwater samples collected during these investigations, LFR concluded that no additional investigations or remedial actions were needed for groundwater at the Site (with the exception of the UST area).

3.2 Remedial Goals Established for Soil

The results of previous investigations indicated that soil and existing fill material at the Site had been affected by lead and TPH quantified in the motor oil (TPHmo) and diesel (TPHd) ranges. A total of three areas were identified where these constituents exceeded the remediation goals developed for the industrial reuse planned by the City of Pinole for the Site (LFR 2002). The remediation goals developed for these constituents in soil were:

- TPHmo: 1,000 milligrams per kilogram (mg/kg)
- TPHd: 500 mg/kg
- benzene: 0.39 mg/kg
- toluene: 8.4 mg/kg
- ethylbenzene: 24 mg/kg
- total xylenes: 1.0 mg/kg
- total lead: 750 mg/kg

These residual goals were chosen using a combination of U.S. Environmental Protection Agency (EPA) preliminary remediation goals (PRGs) and RWQCB risk-based screening levels (RBSLs).

The TPHmo and TPHd remedial goals were based on the values provided in the RWQCB RBSLs for the industrial/commercial land-use scenario in which groundwater is not considered a potential source of drinking water. LFR has used information in this document as an informative tool in the process of evaluating whether a release of chemicals may or may not be considered significant.

The RWQCB has prepared a technical document entitled "Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater" (Interim Final, August 2000). The document presents lookup tables of conservative RBSLs for over 100 chemicals commonly found in affected soil and groundwater at sites where releases of hazardous substances have occurred. The report describes how the RBSLs were developed and provides detailed tables and appendices in support of the summary lookup tables. The document is intended to help expedite the preparation of

environmental risk assessments at sites where affected soil and groundwater have been identified.

As an alternative to preparing a formal risk assessment, soil and groundwater data collected at a site can be directly compared to the RBSLs and the need for additional work evaluated. It is anticipated that this document will be especially beneficial for use at small- to medium-size sites (similar to this Site) where the preparation of a more formal risk assessment may not be warranted or feasible because of time and/or cost constraints.

The total lead remedial goal of 750 mg/kg was based on the value provided in the EPA PRGs for industrial sites. For comparison purposes, the RBSL for lead at industrial sites in which groundwater is not considered a potential source of drinking water is 1,000 mg/kg.

4.0 SOIL REMEDIATION

Based on previous investigations, two areas were identified as containing lead-affected soil at concentrations exceeding the industrial PRG. These areas are located in the northern (lower) and central (upper) portions of the Site. A further area in the southern portion of the Site was identified as containing TPH-affected soil at concentrations exceeding RBSLs. In June and July of 2002, LFR supervised the excavation and off-site disposal of the affected soil in the following areas (Figure 2):

- The lower lead excavation area, located near former soil boring LF-30, was excavated to approximately 2 feet below ground surface (bgs)
- The upper lead excavation area, located near former soil boring LF-13, was excavated to approximately 2 feet bgs
- The TPH-affected excavation area, located near former soil borings LF-4 and LF-5, was excavated to a depth of approximately 5 to 8 feet bgs

As the excavations progressed, confirmation samples were collected from the base and the sidewalls of each excavation after the removal of affected soil. Excavation continued until the analysis of confirmation sample results indicated that the remedial goals for affected soil in the areas had been met. Results of the remediation activities are presented in LFR's "Report of Soil Remediation Activities," dated September 26, 2002.

Approximately 2,800 tons of lead-affected soil were removed from the lower and upper lead excavations. The excavated soil was stabilized to below soluble threshold limit concentration (STLC) levels by mixing the soil with approximately 10 percent cement to fixate the lead. The treated soil was then transported to Allied Waste's Forward Landfill, a Class 2 nonhazardous waste landfill located in Stockton, California. A total of approximately 742 tons of TPH-affected soil was excavated and transported to Allied Waste's Forward Landfill for off-site disposal.

The analytical results of the confirmation samples collected from the base and sidewalls of the excavations indicated that the remedial goals established for lead- and fuel-affected soil had been successfully achieved at the Site. LFR therefore recommended in its Report of Soil Remediation Activities that the Site be granted no-further-action status and that additional soil removal and handling activities be conducted under the guidance of this SMP.

5.0 SOIL MANAGEMENT PROTOCOLS DURING SITE DEVELOPMENT

The following sections present the management protocols for handling, moving, stockpiling, and reusing native soil during the development at the Site. Contingency protocols to be followed when unknown contamination or underground structures are identified are also presented.

5.1 Soil Management Strategy

Throughout the grading activities associated with the redevelopment of the Site, native soil and existing fill material will be handled and moved from one portion of the Site to another.

As described above, the analysis of confirmation samples collected from the areas of excavations indicated that the remedial goals for lead- and fuel-affected soil at the Site have been met. An objective of this SMP is to further minimize the potential for exposure to residual concentrations of lead and fuel in soil by developing a strategy for the management of reuse-soil at the Site. In addition, this SMP addresses the concern that soils meeting the remedial goals may be classified as hazardous waste if they are removed from the Site due to the relatively high solubility of the lead.

Many of the projected construction activities at the Site will require limited excavation of native soil. Other construction activities proposed will require soil to be added for grading. The net balance of soil from cut and fill grading will probably not require removal of soil from the Site. LFR recommends that the shallow soil, which contains residual levels of lead and TPH, be stripped off to a depth of approximately 1 to 2 feet bgs and placed in deeper fills as part of the normal site grading activities, to minimize the potential of future exposure of this soil to site occupants. Although off-site disposal of soil is not anticipated, any soil to be disposed of off site will be tested and disposed of at an appropriately licensed landfill following applicable federal and state laws and regulations.

In addition, fill material, which is present in portions of the Site, may include construction debris, concrete, rock, glass, wood, bricks, and other debris such as pieces of metal. It may be necessary to remove soil containing this material, which will also be tested and disposed of in accordance with all applicable laws and regulations.

5.2 Measures to Minimize Dust from Soil Movement and Handling

Soil handling activities can result in exposure to dust. Dust control measures will be implemented during the construction at the Site. In general, the most effective dust control measure is to water all active construction areas at least twice per day or as necessary to prevent visible dust plumes from migrating off site. Also, tarpaulins or other effective covers may be used for trucks carrying soils on and off site.

5.3 Reuse of Excavated Soil

Soil that is excavated within the Site may need to be stockpiled before it is reused. There are three potential concerns associated with the stockpiling of soils: dust generation, erosion, and unauthorized access to the stockpiles. The risk management measures that will be implemented to control dust from the stockpiles are described below.

Water will be used to mitigate dust generated during the creation, movement, or use of the soil stockpiles. Overwatering, which could result in excessive runoff, will be avoided. Dust palliatives or other methods of dust control may be used if water proves to be inadequate.

While stockpiles are in place, dust will be controlled using a cover or an alternative method that provides equivalent protection. If the stockpiles are covered, the cover will consist of anchored plastic sheeting or equivalent cover. The method of covering will be determined based on the anticipated time the stockpiles will be in place, weather conditions, and other practical factors such as the size of the stockpiles.

5.4 Soil for Landscaped Areas

This section applies to landscaped areas that will be accessible for human use. Materials used for landscaped areas will consist of imported materials composed of sand, topsoil, or fill that meets the prevailing commercial standards for use in commercial developments or on-site material (such as native soil) that has been specifically approved for reuse and meets the prevailing commercial standards.

5.5 Contingency Protocols for Identifying Affected Media or Underground Structures

The protocols to be followed in the event that unknown areas of contamination and/or underground structures are identified during site development are described in this section. These protocols will be conducted by the owner, lessee, or other entity, such as a contractor or qualified consultant, designated or certified by the owner or lessee.

Unknown conditions that may trigger contingency monitoring procedures during site development include but are not limited to those listed below. Discovery of any of these conditions could require either alternative or additional measures to protect human health and the environment.

- oily, shiny, or saturated soil or free product in previously undocumented areas
- discovery of a UST
- discovery of debris associated with former wrecking yard activities
- other conditions that vary materially from those documented during previous investigations

If free product is encountered, the areal extent and thickness will be characterized and excavated. The excavated soil will be stockpiled and disposed of off site.

During the course of excavation and construction activities within the Site, it is possible that USTs, sumps, or other underground structures that were not identified during previous site investigations will be discovered. For example, USTs may be identified during grading and site excavation activities by the presence of vent pipes that extend above the ground surface, product distribution piping that leads to the UST, fill pipes, backfill materials, or the UST itself. Other structures might not have features that extend above the surface and could be unearthed when construction equipment comes into contact with them. The following section outlines the measures that govern identification and removal of USTs and appropriate measures for addressing other underground structures identified during development.

Chapter 6.7 of the California Health and Safety Code contains the specific requirements for removing and remediating contamination associated with a leaking UST. The Contra Costa County Hazardous Materials Program (CCCHMP) is responsible for local oversight and overseeing the removal of any UST; however, the RWQCB maintains responsibility for overseeing environmental investigations and responses arising from releases from any UST at the Site. Accordingly, the RWQCB and the CCCHMP will be notified in the event that a UST or appurtenant piping is discovered during construction and development of the Site.

Environmental investigations and responses required following removal of the UST will be conducted under the direction of the RWQCB and in accordance with the specific provisions delineated in Chapter 6.7 of the California Health and Safety Code.

For other subsurface structures that may have been related to former use and storage of chemicals, such as underground vaults and sumps, the following procedures should be implemented to determine the proper disposition of the encountered structure.

The structure should be inspected to assess whether it contains any indication of chemical residuals or free liquids other than water. The owner or lessee's designated environmental engineer will make this assessment using field observations. If there is no

indication, based on visual observation, odor, or field air monitoring equipment, that chemicals are or were present within the vault or sump, then removal of the structure is not necessary for environmental reasons.

If a sump or vault contains liquids that appear to contain chemicals, based on visual observations, odor, or field air monitoring equipment, then the following steps shall be taken:

- Characterize the chemical and determine appropriate response action.
- Sample potentially chemical-containing liquids for profiling purposes.
- Properly remove and dispose of liquids under the direction of the owner or lessee's designated environmental engineer.
- Notify the RWQCB and/or CCCHMP before the selection of an appropriate response.

5.6 Access Control During Construction

The potential for trespassers or visitors to gain access to construction areas and come into direct contact with potentially contaminated soils or groundwater will be controlled through the implementation of the access and perimeter security measures.

5.7 Construction Worker Management Measures

During construction activities, workers that may directly contact the native soil will conduct the work in accordance with California Occupational Safety and Health Administration (Cal/OSHA) training and worker protection rules and regulations. The types of hazards that construction workers or other workers involved in soil disruptive activities are most likely to encounter include the following:

- identifying previously unknown structures or areas of contamination
- having direct contact with fill materials that contain inorganic constituents including lead or petroleum compounds

Cal/OSHA is the state agency that is responsible for monitoring compliance with worker health and safety laws and requirements. Compliance with standard Cal/OSHA regulations, particularly Title 8, Chapter 4, "Division of Industrial Safety," will minimize the potential effects associated with excavation activities, as the intent of these standards is to prepare workers for the types of hazards that are likely to be encountered during such activities. All activities conducted within the Site must be in compliance with current Cal/OSHA rules and regulations, even if not expressly noted in this SMP. Further, all workers involved in subsurface activities must conduct the work in compliance with an environmental health and safety plan (HSP). The HSP will be an additional mechanism that will protect workers engaging in intrusive work. To achieve

that goal, the HSP will delineate the specific potential hazards associated with contact with native soils at the Site and will inform workers that the subsurface material may contain lead or petroleum compounds. The HSP will also define the methods to be employed to minimize the hazards associated with such activities.

The minimum health and safety guidelines for all workers engaging in intrusive work at the Site are provided below. Preparation of and compliance with all aspects of the HSP is the responsibility of the individuals engaged in the intrusive activities. HSPs prepared for any construction projects will be kept on site during the project. This SMP does not require that construction workers working at the Site comply with Cal/OSHA standards for Hazardous Waste Operations and Emergency Response, unless the companies conducting intrusive work at the Site conclude it is required after thoroughly evaluating the residual soil analytical data in relation to the potential exposure to those chemicals necessitated by the type of work being conducted.

5.8 Environmental Health and Safety Guidelines

Although this SMP establishes the minimum requirements for an HSP, the HSP is a stand-alone document developed by the owner or lessee's designated contractor or qualified environmental consultant before the initiation of any construction activities that would disrupt the native soils. It is the responsibility of the individual preparing the HSP to verify that the components of the HSP are consistent with current worker health and safety rules and regulations. All workers, including utility repair workers or other workers who may directly contact native soil or groundwater, would perform all activities in accordance with an HSP. Consistent with Cal/OSHA standards, an HSP would not be required for workers such as carpenters, painters, or others who would not be performing activities that disrupt native soils.

The HSP will be designed to identify, evaluate, and control safety and health with respect to the chemicals present in the soil and groundwater. The HSP will require that the on-site Health and Safety Officer conduct periodic briefing meetings (tailgate meetings) with construction personnel on the reporting requirements to be undertaken when underground structures are identified. Compliance with all aspects of the HSP is the responsibility of the party conducting the construction activities.

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Table 1
TPH and VOC Concentrations in Soil
Anthony's Auto, Pinole, California
Concentrations in milligrams per kilogram (mg/kg)

Sample ID	Sample Depth	Petroleum Hydrocarbons			Volatile Organic Carbons									PCBs
		TPHd	TPHg	TPHm	1,2,4-Trimethylbenzen	1,3,5-Trimethylbenzen	2-Butanone	Acetone	Benzene	m,p-Xylenes	Naphthalene	o-Xylene	Toluene	
LF-1-10	9.5-10	1.7 YH	<1.0	17	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	NA
LF-2-10	9.5-10	<1.0	<1.0	<5.0	<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA
LF-3-1	0.5-1	5.2 YH	<1.0	44	<0.0048	<0.0048	<0.0096	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA
LF-3-5.5	5-5.5	2.8 YH	<1.0	13	<0.0049	<0.0049	<0.0098	<0.02	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA
LF-4-1	0.5-1	40 YH	<1.0	190	<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA
LF-5-1	0.5-1	1800 YH	<1.0	1900 L	<0.0049	<0.0049	0.0340	0.1200	<0.0049	<0.0049	<0.0049	<0.0049	0.0054	NA
LF-5-4	3.5-4	6200 YH	<1.0	9600	0.0230	0.0097	<0.01	<0.02	<0.005	0.0093	<0.005	0.0068	<0.005	ND
LF-6-5	4.5-5	28 Y	1300 YH	34 L	120	43	<10	<20	<5	38	25	23	<5	NA
LF-6-10	9.5-10	2.6 Y	1.7 YH	6.5 Y	0.0790	0.0270	<0.01	<0.02	0.0064	0.0510	0.0230	0.0320	<0.005	NA
LF-7-5	4.5-5	28 YH	<1.0	84	0.0170	0.0052	<0.0096	0.0460	<0.0048	0.0150	0.0068	0.0080	0.011	NA
LF-44-1	0.51	180 YH	<1.0		<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA

Data entered by TIH. Data proofed by LIU.

Notes:

All samples collected 4/27/01

L = Lighter hydrocarbons contributed to the quantitation

H = Heavier hydrocarbons contributed to the quantitation

Y = Sample exhibits fuel pattern which does not resemble laboratory standard

NA = Not analyzed

ND = Not detected

TPH = Total petroleum hydrocarbons

VOCs = Volatile organic compounds

VOCs were analyzed by EPA method 8260. Only those compounds that were detected in one or more sample are listed on this table.

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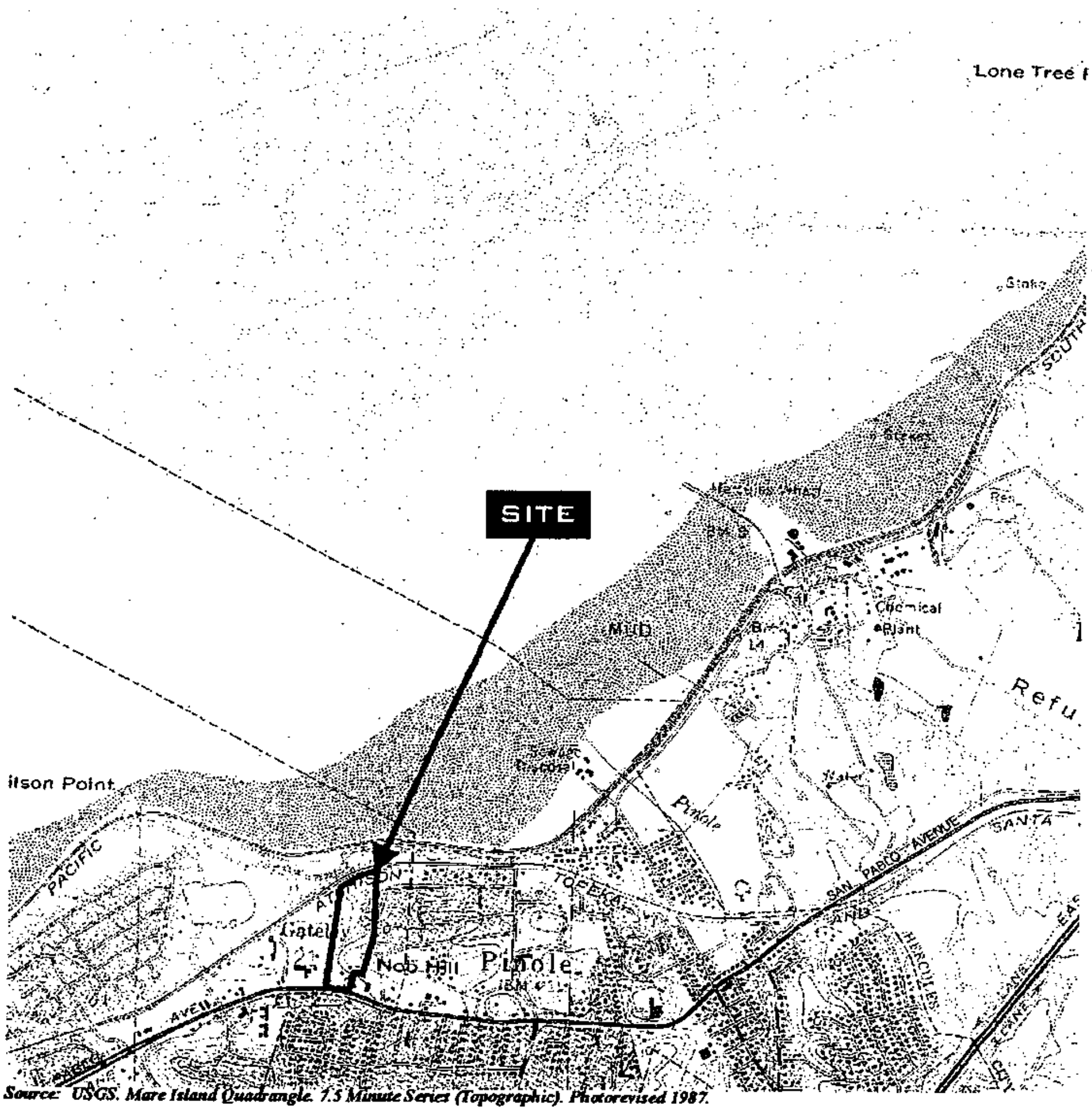
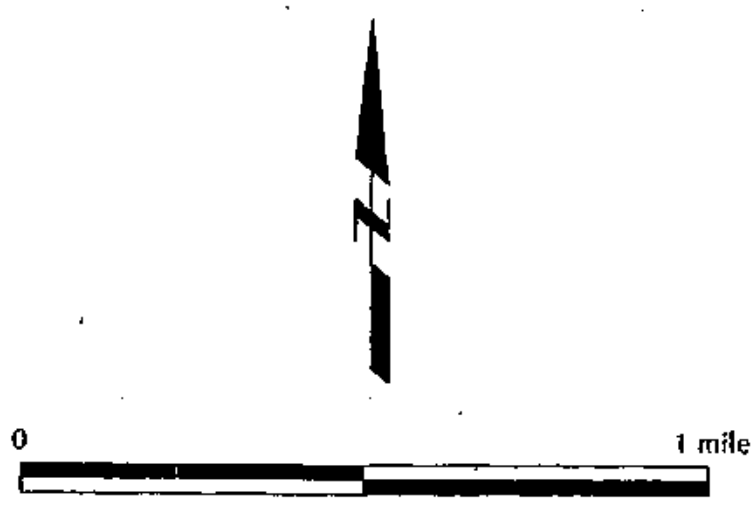
Table 2
Lead Concentrations in Soil
Anthony's Auto, Pinole, California
Concentrations in milligrams per kilogram (mg/kg)

Sample Location	Sample ID	Depth Interval	Lead (mg/kg)
LF-8	LF-8-0.5	0-0.5	27
	LF-8-2	1.5-2	29
LF-9	LF-9-1	0.5-1	410
	LF-9-2	1.5-2	25
LF-10	LF-10-0.5	0.5-1	98
	LF-10-2	1.5-2	8.5
LF-11	LF-11-0.5	0-0.5	19
	LF-11-2	1.5-2	1.7
LF-12	LF-12-0.5	0-0.5	6.6
	LF-12-2	1.5-2	5.4
LF-13	LF-13-0.5	0-0.5	940
	LF-13-2	1.5-2	5.0
LF-14	LF-14-0.5	0-0.5	210
	LF-14-2	1.5-2	270
LF-15	LF-15-0.5	0-0.5	9.4
	LF-15-2	1.5-2	2.7
LF-16	LF-16-0.5	0-0.5	52
	LF-16-2	1.5-2	2.3
LF-17	LF-17-0.5	0-0.5	36
	LF-17-2	1.5-2	2.1
LF-18	LF-18-0.5	0-0.5	63
	LF-18-2	1.5-2	2.0
LF-19	Not drilled		
LF-20	LF-20-0.5	0-0.5	19
	LF-20-2	1.5-2	120
LF-21	LF-21-0.5	0-0.5	38
	LF-21-2	1.5-2	160
LF-22	LF-22-0.5	0-0.5	9.0
	LF-22-2	1.5-2	2.5
LF-23	LF-23-0.5	0-0.5	82
	LF-23-2	1.5-2	5.3
LF-24	LF-24-0.5	0-0.5	31
	LF-24-1	0.5-1	140
	LF-24-2	1.5-2	62
LF-25	LF-25-0.5	0-0.5	110
	LF-25-2	1.5-2	42
LF-26	LF-26-0.5	0-0.5	57
	LF-26-2	1.5-2	12
LF-27	LF-27-0.5	0-0.5	44
	LF-27-2	1.5-2	2.6
LF-28	LF-28-0.5	0-0.5	160
	LF-28-2	1.5-2	3.4
LF-29	LF-29-0.5	0-0.5	85
	LF-29-2	1.5-2	3.1
LF-30	LF-30-0.5	0-0.5	1500
	LF-30-2	1.5-2	7.5
LF-31	LF-31-0.5	0-0.5	17
	LF-31-2	1.5-2	2.9
LF-32	LF-32-0.5	0-0.5	16
	LF-32-2	1.5-2	7.3
LF-33	LF-33-0.5	0-0.5	290
	LF-33-2	1.5-2	6.2
LF-34	LF-34-0.5	0-0.5	180
	LF-34-2	1.5-2	43
LF-35	LF-35-0.5	0-0.5	31
	LF-35-2	1.5-2	9.6
LF-44	LF-44-1	0.5-1	34

Data entered by TIH. Data proofed by LIU.



Source: USGS. Mare Island Quadrangle. 7.5 Minute Series (Topographic). Photorevised 1987.



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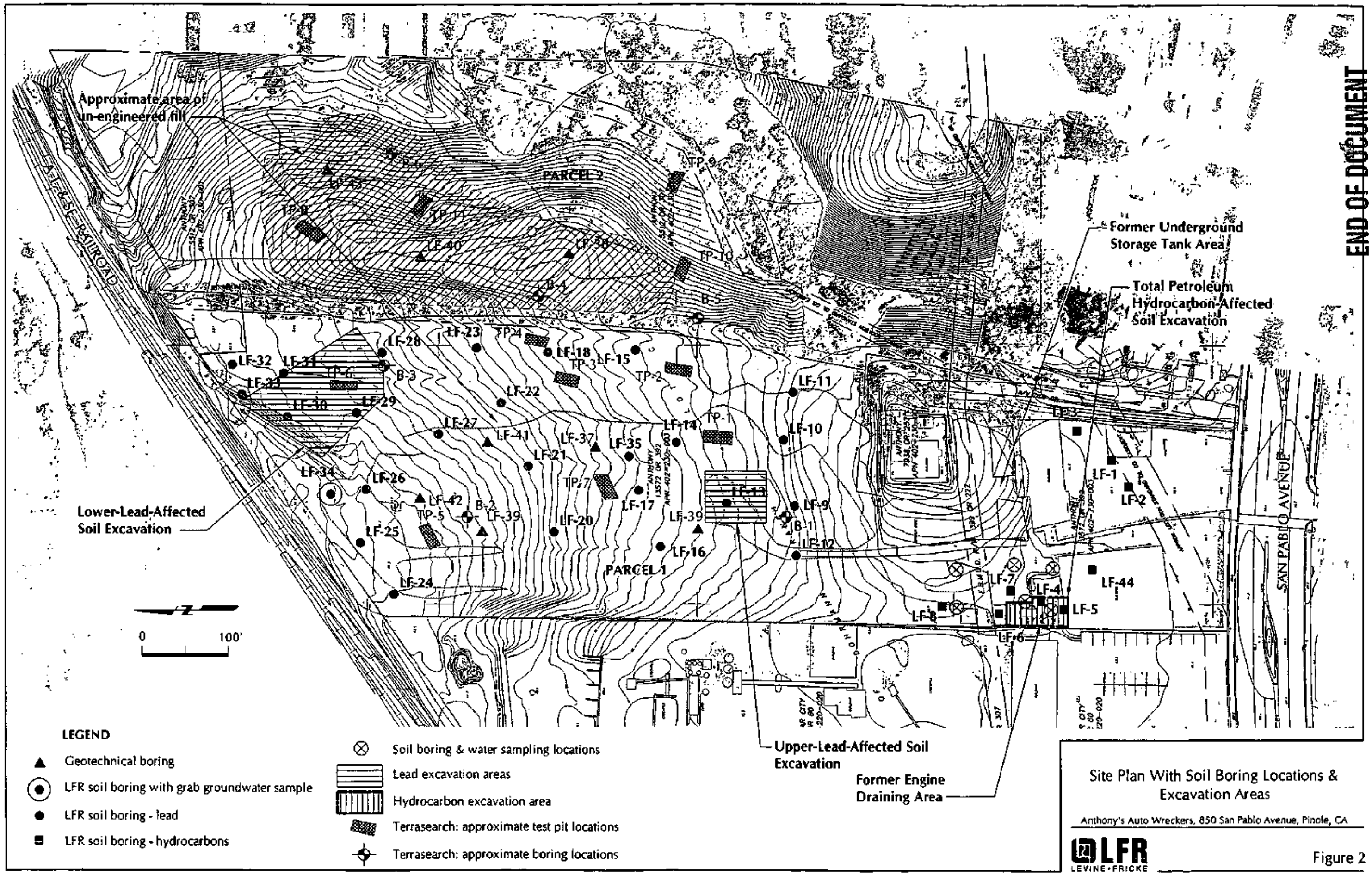
Site Vicinity Map

Anthony's Auto Wreckers, 850 San Pablo Avenue, Pinole, CA

LFR LEVINE•FRICKE

Figure 1



Site Plan With Soil Boring Locations & Excavation Areas

Anthony's Auto Wreckers, 850 San Pablo Avenue, Pinole, CA

LFR LEVINE•FRICKE

Figure 2

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07-0570

SITE REMEDIATION REPORT

ANTHONY AUTO WRECKERS
PINOLE, CALIFORNIA

RWQCB FILE NO. 07-0570 (SR)

GEOCON
CONSULTANTS, INC.

ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

PREPARED FOR

ARLEY ANTHONY
PINOLE, CALIFORNIA

GEOCON PROJECT NO. E8022-06-03

MAY 2002

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

CALIFORNIA REGIONAL WATER
MAY 22 2002
QUALITY CONTROL BOARD

Project No. E8022-06-03
May 20, 2002

Mr. Sampath Rangarajan
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: SITE REMEDIATION REPORT
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA
RWQCB FILE NO.: 07-0570 (SR)

Dear Mr. Rangarajan:

On behalf of our client, Mr. Arley Anthony, Geocon has performed environmental engineering services at the former automobile wrecking yard located at 850 San Pablo Avenue in Pinole, California. The accompanying report summarizes the services performed including excavation of impacted soil material, removal of impacted groundwater, the advancement of borings, limited soil and groundwater sampling, and laboratory analyses. This report also serves as the workplan for recommended remedial activities in pursuit of site closure.

The contents of this report reflect the views of Geocon Consultants, Inc., who is responsible for the facts and accuracy of the data presented herein. This report does not constitute a standard, specification, or regulation.

If there are any questions concerning the contents of this report, or if Geocon may be of further service, please contact the undersigned at your convenience.

Sincerely,

GEOCON CONSULTANTS, INC.

Matthew W. Hanko, REA
Senior Project Scientist

Richard W. Day, CEG, CHG
Regional Manager

STATE OF CALIFORNIA
CERTIFIED ENGINEERING GEOLOGIST
1849
RICHARD DAY
REGISTERED GEOLOGIST

MWH:RWD:rjk

(1) Addressee
(1) Arley Anthony
(1) Paul Andrews, CCCHSD
(1) UST Cleanup Fund

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1
1.1 Site Location 1
1.2 Background 1
1.3 Purpose 3

2.0 SCOPE OF SERVICES 4
2.1 Pre-Field Activities 4
2.2 Field Activities 4

3.0 INVESTIGATIVE METHODS 6
3.1 Soil Sampling Procedures 6
3.2 Groundwater Sampling Procedures 6
3.3 Over-excavation and Backfilling 6
3.4 Laboratory Analyses 9
3.5 Laboratory QA/QC Procedures 9

4.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS 10
4.1 Site Geology and Hydrogeology 10
4.2 Soil Analytical Results 10
4.3 Groundwater Analytical Results 11

5.0 CONCLUSIONS AND RECOMMENDATIONS 12

6.0 REPORT LIMITATIONS 13

FIGURES
1. Vicinity Map
2. Site Plan
3a. Excavation Boundary
3b. Excavation Cross-Section – North Wall
3c. Excavation Cross-Section – South Wall
3d. Excavation Cross-Section – West Wall
3e. Excavation Cross-Section – East Wall

TABLES
1. Summary of Analytical Laboratory Test Results for Soil Samples
2. Summary of Analytical Laboratory Test Results for Groundwater Samples

APPENDICES
A. Boring Permits
B. Boring Logs
C. Photographs
D. Analytical Laboratory Data Sheets
E. Non-Hazardous Waste Manifests

SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This site investigation report for the former Anthony Auto Wreckers site was prepared to document remedial actions performed at the site relative to the former underground storage tanks (USTs) and is being submitted to the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) on behalf of Mr. Arley Anthony.

1.1 Site Location

The project site consists of a former automobile wrecking yard located at 850 San Pablo Avenue in Pinole, California. The site is vacant with no current uses. The City of Pinole is in the process of purchasing the property for commercial development. The approximate location of the site is depicted on the Vicinity Map presented as Figure 1.

1.2 Background

The following site background information is based on Geocon's review of site reports provided by Mr. Arley Anthony and Malicoat, Becks and Associates, Inc.

Two 1,000-gallon gasoline USTs were removed from the project site on January 30, 1992 under the supervision of Contra Costa County Health Services Department (CCCHSD). Prior to their removal, one gasoline UST was used to store gasoline that was removed from wrecked vehicles and the other UST was used to store purchased gasoline. Product from both USTs was used to fuel yard vehicles and other business-related automobiles.

Upon UST removal, 2,200 milligrams per kilogram (mg/kg) of Total Petroleum Hydrocarbons as gasoline (TPHg) were detected in a soil sample collected at 8 feet below ground surface (bgs). Additional soil sampling from a depth of 11 feet bgs was performed in March 1992. While TPHg was detected in the March 1992 soil samples, the detected concentrations at 11 feet bgs were lower than those concentrations detected at 8 feet bgs.

In April 1992, approximately 75 cubic yards of soil was over-excavated from the UST pit, to a depth of 14 feet bgs. Confirmation samples collected from 14 feet bgs did not contain detectable concentrations of petroleum hydrocarbons.

Based on the results of the over-excavation confirmation sampling, the CCCHSD issued case closure in a letter entitled Underground Storage Tank (UST) Soil Case Closure, 850 San Pablo Avenue, Pinole, CA 94564, dated March 1, 1996. The letter confirmed the completion of site investigation and remedial action for the USTs formerly located at the site. A copy of the CCCHSD letter is attached.

On May 1, 2000, the RWQCB issued a letter to the property owner entitled Requirement for MTBE Information Pertaining to the Leaking Underground Storage Tank Site Located at 850 San Pablo Avenue, Pinole, Contra Costa County. The letter requires the property owner to provide MTBE analysis results to the RWQCB.

On July 31, 2000, Geocon submitted the MTBE Investigation Workplan to the RWQCB. The workplan proposed the advancement of one soil boring in the location of the former USTs and the analysis of soil and grab-groundwater for MTBE. The RWQCB approved the workplan on August 10, 2000 with the requirement that samples be also analyzed for Total Petroleum Hydrocarbons as diesel (TPHd), TPHg, and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX).

A single soil boring (SB1) was advanced on October 5, 2000 in the location of the former USTs. The results of the grab-groundwater sample analysis indicated that concentrations of BTEX compounds and MTBE in groundwater were above applicable regulatory thresholds. In a December 6, 2000 letter, the RWQCB requested a Workplan to delineate the lateral and vertical extent of soil and groundwater impacts.

In July 2001, an additional eight soil borings (SB2 through SB9) were advanced at the site to define the extent of impacts to soil and groundwater. Concentrations of TPHg, BTEX, and MTBE were present in soil samples from one boring (SB4 near the former UST pit) that were indicative of a source. The extent of impacts to groundwater was delineated to the north, east, and west (in the assumed downgradient and crossgradient groundwater flow directions), and appears to be restricted to the immediate vicinity of the former UST pit.

The RWQCB reviewed the *Site Investigation Report* dated August 9, 2001 and concurred with Geocon in recommending the following:

- Over-excavate the former tank pit, and
- Submit confirmation groundwater sample from excavation for lab analysis.

The RWQCB requested that Geocon prepare a workplan for the proposed remedial activities. The RWQCB also requested that the workplan include collecting soil and grab groundwater samples in the area of boring SB4 after remedial activities to confirm the effectiveness of the remedial efforts.

Geocon prepared the December 7, 2001 *Site Remediation Workplan* in response to the RWQCB requests and further recommended that water be purged from the over-excavation and that oxygen release compounds (ORCs) be added to the saturated zone prior to backfilling the excavation. The RWQCB approved the workplan in their December 14, 2001 letter.

1.3 Purpose

The purpose of the work performed was to remove impacted soil and groundwater and add amendments to groundwater (i.e., ORCs) that will continue to reduce contaminant concentrations in groundwater.

2.0 SCOPE OF SERVICES

The following scope of services was performed.

2.1 Pre-Field Activities

- A Workplan, dated December 7, 2001, was prepared to summarize the scope of services to be performed by Geocon. The Workplan was submitted to the RWQCB for approval.
- The Health and Safety Plan prepared for the initial scope of work was updated to reflect the scope of the proposed work. The Health and Safety Plan provides guidelines on the use of personal protective equipment and the health and safety procedures to be implemented during the field activities.
- Geocon performed a site reconnaissance to inspect the work area for accessibility, traffic control and to review the proposed boring locations.
- Geocon obtained boring permits from CCCHSD (Appendix A).
- Geocon retained the services of Advanced Technology Laboratories (ATL) and Curtis & Tompkins, Ltd. to provide the laboratory analyses and V&W Drilling and Gregg Drilling to provide drilling and sampling services.

2.2 Field Activities

Soil Borings

A total of four borings (SB10 through SB13) were advanced utilizing a truck-mounted hollow-stem auger drill rig. It is noted that five borings were proposed in the Workplan, however, the proposed boring southeast of the former USTs could not be advanced due to access limitations. The approximate boring locations are depicted on the Site Plan, Figure 2.

Soil boring SB10 was advanced on January 30, 2002 (prior to excavation activities) to define the southern extent of impacted groundwater. Soil samples were collected from boring SB10 at 10 and 15 feet below ground surface (bgs) and submitted for laboratory analysis.

Soil borings SB11 through SB13 were advanced on March 29, 2002 (after excavation activities) to confirm the effectiveness of the remediation efforts. The Workplan did not specify that soil samples were to be collected from the confirmation borings (SB11 through SB13); however, due to residual impacts left in place once the over-excavation was complete Geocon deemed it necessary to characterize the impacted soil left in place. Soil samples were collected continuously from borings SB11 and SB13 beginning at 12 feet bgs (depth to impacted soil measured in excavation sidewalls) to the termination of the borehole. Soil samples were selected from these borings for laboratory

analysis based on photoionization device (PID) readings and evidence of impacts to soil. Soil samples were collected from these borings to determine the extent and concentration of contaminants remaining in place. No soil samples were collected from boring SB12 due to the lack of contaminant impacts in the west wall of the over-excavation.

After advancing each boring to the target depth of approximately 30 feet bgs, the augers were removed and each boring was left open to allow groundwater to enter the annular space. While saturated soil was not encountered in the borings, the material encountered was a fractured siltstone and water appeared to enter the boring through fractures between 25 and 30 feet bgs. After enough groundwater had accumulated in the open boreholes, groundwater samples were collected from each boring.

During the collection of the soil samples, each boring was logged utilizing the Unified Soil Classification System. While not present on-site during the field activities, a California-registered geologist provided office and field supervision for the drilling and logging operations. Copies of the boring logs are included in Appendix B.

Soil Excavation and Groundwater Removal

Over-excavation of the former tank pit was performed during the week beginning February 18, 2002. The excavation was advanced to a total depth of 30 feet bgs and covered an area of approximately 30 feet by 30 feet. An approximate in-place volume of 1,000 cubic yards of soil was removed. A total of 47 truckloads of excavated soil were transported offsite (equivalent to approximately 848 tons of soil). An additional approximately 55 cubic yards of material were excavated to construct a ramp into the excavation to enable the excavator to reach the 30-foot total depth. Perched groundwater was encountered at approximately 10 feet bgs on the south side of the excavation. All perched water was removed during the excavation effort. A saturated zone was encountered at approximately 30 feet bgs and static water was measured at approximately 26 feet bgs the day after the excavation was completed. A 12-inch inside diameter Schedule 40 PVC well casing was placed into the excavation to serve as a temporary groundwater extraction point. The excavation was backfilled around the casing to grade. Oxygen release compounds (ORCs) were added to the backfill in the saturated zone. Approximately 6,000 gallons of groundwater was purged from the subsurface through the casing and stored temporarily onsite in a 6,500-gallon polyethylene tank staged adjacent to the excavation.

All excavation activities were performed by Geocon. Transportation of impacted material to the offsite facility and imported material to backfill the excavation was provided by Northern Truck & Equipment. All impacted soil material was disposed of at the Keller Canyon Landfill in Pittsburg, California. Photographs of the over-excavation are included in Appendix C.

3.0 INVESTIGATIVE METHODS

3.1 Soil Sampling Procedures

Soil borings were advanced using hollow-stem auger drilling methods and soil samples were obtained by driving a split-spoon sampler lined with three 6-inch-long stainless steel liners into soil at the top desired sampling depth and for borings SB11, SB12 and SB13 sampling was performed on a continuous basis to the termination of the suspected impacted zone (approx. 25' bgs). The split-spoon sampler was then removed and the bottom liner was capped, labeled, recorded on a chain-of-custody, and placed in a cooler with ice for transportation to ATL.

Auger flights and drilling rods used during the advancement of the borings were steam cleaned prior to use. In addition, sampling equipment was cleansed between each sampling effort by washing the equipment with an Alconox solution followed by two successive rinses with distilled water.

Subsequent to the collection of groundwater samples, completed borings were backfilled to surface grade with cement grout under the supervision of a CCCHSD grout inspector. The soil samples were transported to ATL, a California-certified environmental laboratory, utilizing standard chain-of-custody documentation. The soil cuttings and decontamination fluids from drilling operations were retained in 55-gallon drums stored at the site pending the results of the laboratory analyses and subsequent disposal.

3.2 Groundwater Sampling Procedures

Groundwater samples were collected utilizing disposable polyethylene bailers lowered into the annular space of each boring. Due to the very dense nature of the siltstone, casing was not needed to maintain open boreholes. Groundwater samples were placed in laboratory-provided containers, labeled, recorded on a chain-of-custody, and placed in a cooler with ice for transport to the analytical laboratory. The groundwater samples were transported to ATL utilizing standard chain-of-custody documentation.

3.3 Over-excavation and Backfilling

The location of the UST pit vicinity was identified by the property owner, Arley Anthony. The lithology adjacent to the former UST pit consisted of an approximate 0.5-foot layer of engineered quarry fill material over approximately three feet of a native fill immediately over a consolidated, highly fractured siltstone. The designated stockpile area was grubbed and graded with the loader prior to the beginning of the excavation effort. Once the stockpile area was prepared an excavator with a 25-foot reach equipped with a 36-inch bucket was used to execute the over-excavation of the

former UST pit. Upon breaking of ground, the boundaries of the former UST pit were visible based on the difference between the unconsolidated fill material and the native fractured siltstone. A plan view of the excavation boundary is presented as Figure 3a.

A zone of stained rock material was encountered at approximately 12 feet bgs in each of the four walls of the excavation. The presence of VOCs in the stained rock material was confirmed by olfactory senses and PID readings. The impacted material was a gray stained highly fractured siltstone. All impacted material was removed in the westward direction; thus, no visibly impacted rock remained in the west wall of the final excavation boundary. Only pockets of visibly impacted rock material remained in the south wall of the final excavation boundary, adjacent to the existing fence. Areas of impacted rock remained in the north and east wall of the final excavation boundary. Cross-sections of each wall of the excavation are presented as Figures 3b through 3e.

It was apparent that the residual impacted rock visible in the sidewalls did not extend more than a few feet beyond the final excavation boundary. There was approximately 12 feet of clean material over the impacted zone. Excavation was attempted to remove impacted areas but resulted in sidewall collapse because the excavation sidewalls did not have the integrity to withstand undermining to remove the impacted material. Therefore, excavation efforts were stopped with RWQCB concurrence.

Confirmation soil samples (NW1, NW2, SW1, SW2, EW1, EW2, and WW1) were collected from each wall of the excavation. On the walls where two confirmation soil samples were collected, one sample was collected from non-stained rock material and the other sample was collected from stained rock material. Each sample was collected by utilizing a manually operated slide hammer equipped with a 6-inch sample spoon with a brass liner. The sample spoon was driven into the sidewall and extracted. The brass liner was removed from the sample spoon, covered at each end with Teflon tape secured with plastic end caps, labeled, listed on the chain-of-custody, and placed into a cooler for temporary storage and transport to the laboratory.

A perched water zone was encountered at approximately 10 feet bgs near the center of the south wall of the excavation. Ultimately the perched water was removed with the excavated material. A saturated zone was encountered at approximately 30 feet bgs in the west half of the excavation. After an approximate 12-hour period, static water level in the excavation was approximately 26 feet bgs.

All soil excavated from the former UST pit over-excavation was stockpiled onsite and covered with plastic each day. A ramp was constructed on the west side of the excavation to enable the excavator to reach a 30-foot final depth. The total 30-foot depth could only be reached on the west half of the excavation. Due to the limitations of the equipment, the full depth could not be accomplished on the east half of the excavation. The soil material excavated from the ramp was stockpiled separate from

the soil removed from the over-excavation. The ramp graduated in depth from the west to the east with a total depth of 6.5 feet bgs at the east end of the ramp at the west wall of the excavation.

Once the excavation was complete, a 12-inch diameter schedule 40 PVC casing with 0.010-inch slots was lowered into the southwest corner of the excavation approximately two feet north of the south wall. Ultimately the casing was left in place and backfill material was placed and compacted around the well casing. A grab groundwater sample was collected from the well casing on February 21, 2002.

Four four-part composite samples (1A-D through 4A-D) were collected from the stockpiled soil and rock material to be analyzed by the laboratory for disposal characterization purposes. The samples were collected in brass sleeves, labeled, listed on a chain-of-custody document, and placed into a chilled cooler for temporary storage and transport to Curtis and Tompkins laboratory for analysis.

The excavation was backfilled beginning on February 20, 2002 with approximately four feet of ½-inch crushed rock (to approximately one to two feet above static groundwater level). A geotextile fabric was laid over the ½-inch crushed rock and seven feet of quarter bi-dust (quarry fines) were placed and compacted on top of the geotextile fabric. Approximately 16 feet of screened soil were placed and compacted immediately above the quarter bi-dust. The excavation was capped with approximately 2 feet of the native soil material excavated out of the ramp. Backfilling was completed on February 25, 2002.

A total of 500 pounds of ORCs were mixed into slurry and placed into the excavation with the ½-inch crushed rock. ORCs were placed throughout the entire excavation and in direct contact with the groundwater.

The soil and rock material removed from the UST pit over-excavation was loaded out beginning February 21 and completed by February 28, 2002. A total of 47 truck loads (approximately 848 tons) of soil and rock material were transported offsite to Keller Canyon Landfill in Pittsburg. Copies of the manifests are included in Appendix D.

On February 25, 2002, a submersible pump was used to remove approximately 6,000 gallons of purge water from the 12-inch casing. The purge water was staged in a 6,500-gallon polyethylene storage tank. Once purging was complete, a grab groundwater sample was collected through the well casing and one collected from the 6,500-gallon tank.

3.4 Laboratory Analyses

The soil and grab-groundwater samples collected from borings SB10 through SB13, the excavation, the temporary extraction well, and the 6,500-gallon tank were analyzed for the presence of TPHg and Fuel Oxygenate Compounds (FOCs) following EPA Test Method 8015M, and BTEX following EPA Test Method 8020. If FOCs were detected by EPA Test Method 8015, the samples were analyzed for FOC confirmation following EPA Test Method 8260B. The composite characterization soil samples and grab groundwater sample collected from the perched zone were analyzed for TPHg, BTEX, and MTBE by EPA Method 8015/8020, for TPH as diesel and motor oil (TPHd and TPHmo, respectively) by EPA Method 8015 Modified, and total lead (soil only). One composite sample total lead concentration exceeded 50 mg/kg and was further analyzed for soluble lead via WET analysis. The laboratory analyses were performed under expedited turn-around-time for the composite characterization soil samples and on a standard turn-around-time for the remaining samples. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix D.

3.5 Laboratory QA/QC Procedures

QA/QC procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever was more frequent, with spike made at ten times the detection limit or at the analyte level.

Prior to submitting the samples to the laboratory, the chain-of-custody documentation was reviewed for accuracy and completeness.

4.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

4.1 Site Geology and Hydrogeology

Geologic material encountered during the field activities generally consisted of a thin layer (less than one foot) of clayey silt over a very dense, fractured siltstone to the maximum depth of exploration, approximately 30 feet bgs. Groundwater entered the annular space of the borings and the excavation between 25 and 30 feet bgs. A small cavity of perched groundwater was encountered at approximately 10 feet bgs in the vicinity of the middle of the south wall of the over-excavation.

4.2 Soil Analytical Results

A summary of the analytical laboratory test results for soil samples is presented as Table 1. The laboratory results are summarized in the text below.

Pre-Remediation Soil Investigation

Two soil samples were collected from boring SB10 at 10 and 15 feet bgs. The laboratory analytical data indicated that all constituents analyzed were not detected above the laboratory reporting limit.

Stockpile Characterization Soil Samples

A total of four four-part composite soil samples were analyzed for TPHg, TPHd, TPHmo, BTEX, and lead. TPHg, TPHd, and TPHmo were all detected in each of the samples. The TPHg concentrations ranged from 25 mg/kg to 45 mg/kg and are summarized in Table 1. TPHd and TPHmo concentrations were similar and ranged from 19 mg/kg to 99 mg/kg. BTEX and MTBE concentrations are summarized in Table 1. Total lead concentrations ranged from 15 to 59 mg/kg. One composite soil sample with a total lead concentration of 59 mg/kg was re-analyzed for soluble lead by the WET method. The soluble lead concentration was 0.49 ug/l.

Over-excavation Soil Confirmation Samples

A total of seven confirmation soil samples were collected from the over-excavation sidewalls. TPHg was present in two of the samples at concentrations less than 2 mg/kg. BTEX compounds were present in four of the seven samples, with a maximum benzene concentration of 330 ug/kg. MTBE was not detected above the laboratory reporting limit in any sample.

Post-Remediation Soil Investigation

A total of four soil samples were collected two each from two boreholes. The shallowest sample in each borehole was collected in stained and odoriferous soil. The second sample in each borehole was collected below the extent of stained soil to confirm the vertical extent in soil. Contaminants were present in one sample only from stained soil material at 21 feet bgs. The contaminants detected were benzene (46 ug/kg), ethylbenzene (39 ug/kg), and total xylenes (6.5 ug/kg).

4.3 Groundwater Analytical Results

A summary of the analytical laboratory test results for groundwater samples is presented as Table 2. The distributions of TPHg, benzene, and MTBE in groundwater are depicted on Figure 4. The laboratory results are summarized in the text below.

Pre-Remediation Groundwater Investigation

Boring SB10 was advanced to the south of the former USTs to define the southern extent of groundwater impacts. The laboratory analytical data indicated that no contaminants were present in groundwater at concentrations above the respective laboratory reporting limits.

During the over-excavation, a perched groundwater zone was encountered. One grab groundwater sample was collected from the perched zone (GW1). The laboratory analytical data indicated that TPHg, BTEX, and MTBE were not present above the laboratory reporting limit.

Grab Samples From 12-inch Diameter Temporary Well Point

A total of three grab samples were collected from the 12-inch casing placed in the backfilled over-excavation. The first sample (collected on February 21, 2002 before purging) had detectable concentrations of TPHg (0.69 mg/l), benzene (19 ug/l), and MTBE (7.0 ug/l). The second sample (collected on February 25, 2002 after purging 6,000 gallons) had detectable concentrations of TPHg (0.57 ug/l), benzene (6.9 ug/l), and MTBE (33 ug/l). The third sample was collected approximately one month after the backfilling and placement of the ORCs and had no detectable concentrations of TPHg, BTEX, FOCs, or MTBE above the laboratory reporting limits.

Post Remediation Groundwater Investigation

A total of three grab groundwater samples were collected from soil borings SB11 through SB13. Contaminants were present in only one of the grab samples (SB11). The contaminants present were TPHg (0.12 mg/l), benzene (7.7 ug/l), and xylenes (1.1 ug/l).

5.0 CONCLUSIONS AND RECOMMENDATIONS

- The southern extent of groundwater impact was defined by the non-detectable contaminant concentrations in the grab groundwater sample collected from boring SB10, located approximately 70 feet south of the former UST pit.
- The over-excavation of the former UST pit resulted in removing 90 percent of the impacted soil mass. The contaminant concentrations in the impacted soil left in place are at concentrations less than the respective Preliminary Remediation Goals (PRGs).
- Post remediation groundwater concentrations demonstrated a significant reduction from the groundwater concentrations reported for grab groundwater samples collected in July 2001 and grab groundwater samples collected (pre-groundwater treatment) from the 12-inch temporary well located in the over-excavation. Post remediation grab groundwater samples demonstrated that residual groundwater contaminants (benzene at 7.7 ug/l and MTBE at 2.2 ug/l) are near or below the respective Maximum Contaminant Limit for benzene at 1 ug/l, and for MTBE at 13 ug/l.
- The soil removal and in-situ groundwater treatment were effective at reducing residual contaminant mass in soil and reducing contaminant concentrations in groundwater.

Geocon recommends that Anthony Auto Wreckers be granted closure for the two former 1,000-gallon USTs based on:

1) Removal of contaminant mass from soil and groundwater.

Approximately 848 tons of impacted soil and 6,000 gallons of impacted groundwater were removed from the site.

2) Observed reduction in contaminant concentrations in groundwater.

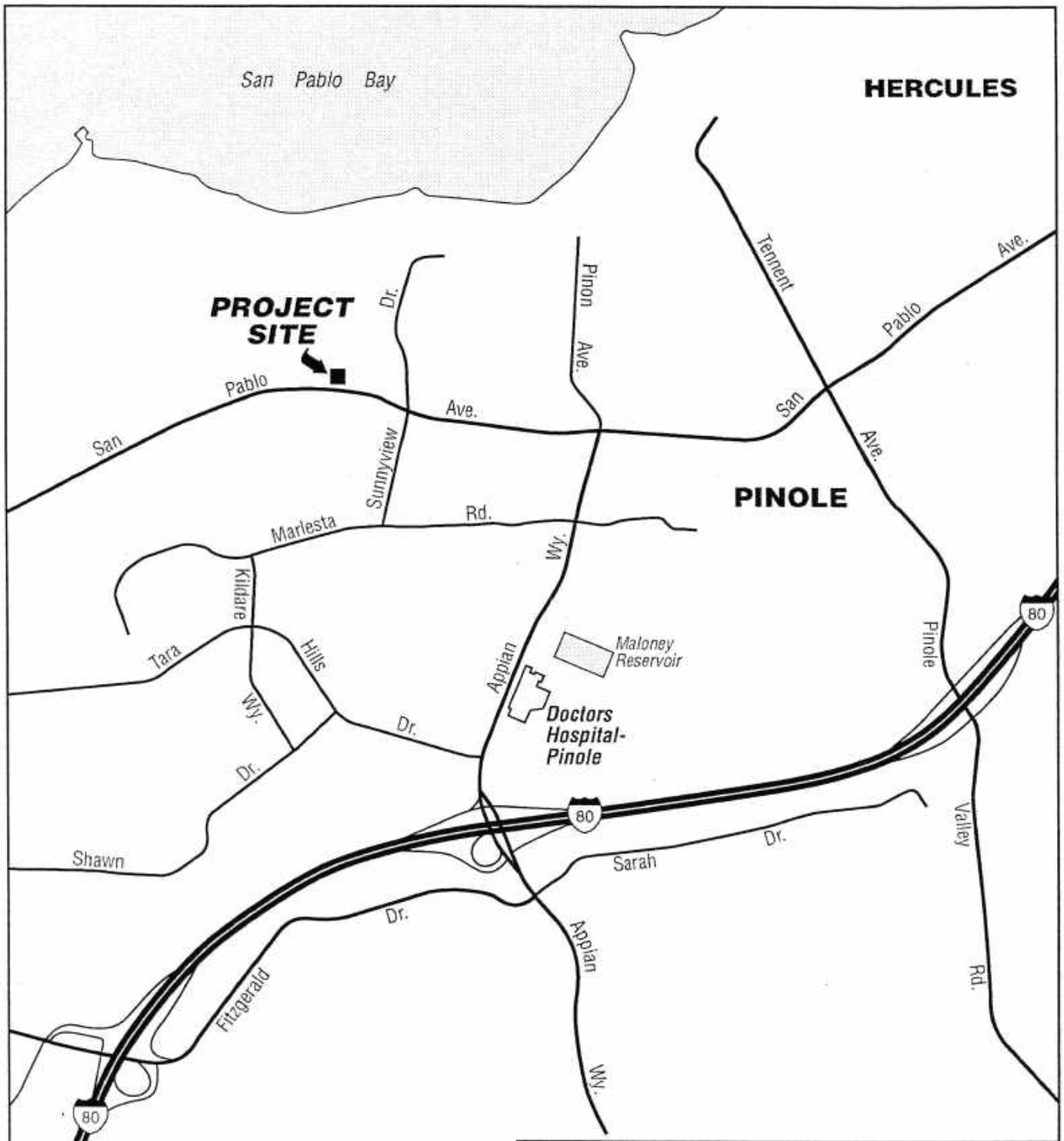
Groundwater samples collected from the 12-inch casing (i.e., from former UST pit) approximately one month after the placement of ORCs and backfilling did not contain detectable concentrations of TPHg, BTEX, or FOCs.

Geocon further recommends that the 12-inch casing be abandoned in accordance with Contra Costa County guidelines for destroying wells.

6.0 REPORT LIMITATIONS

This report has been prepared exclusively for Mr. Arley Anthony. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



0 1/4
Scale in Miles

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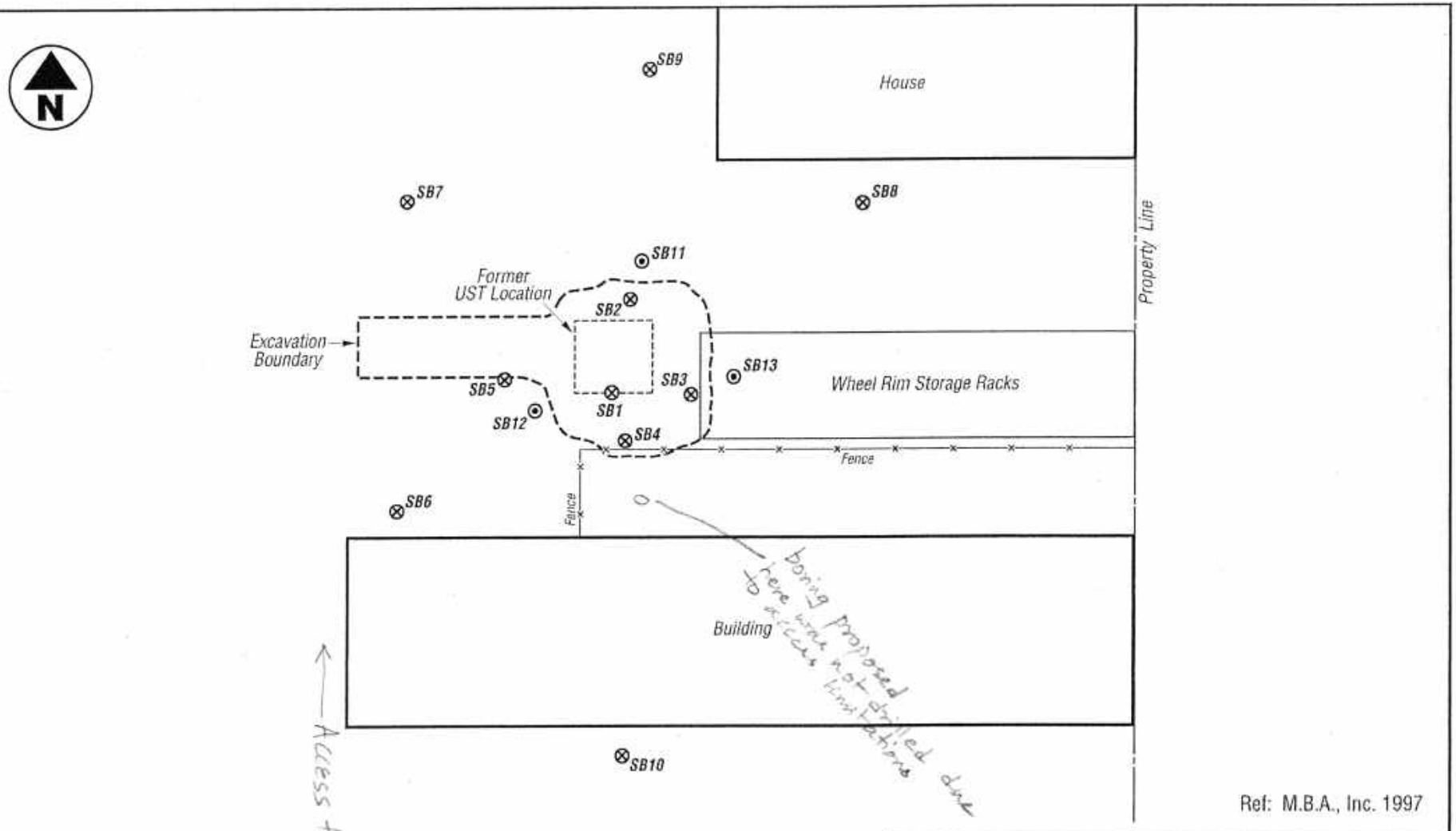
Anthony Auto Wreckers

850 San Pablo Avenue
Pinole, California

VICINITY MAP

E8022-06-03	March 2002	Figure 1



LEGEND:

SB1 ⊗ Approximate Soil Boring Location for Soil & Groundwater Investigation

SB11 ⊙ Approximate Confirmation Soil Boring Location

0 30
Scale in Feet

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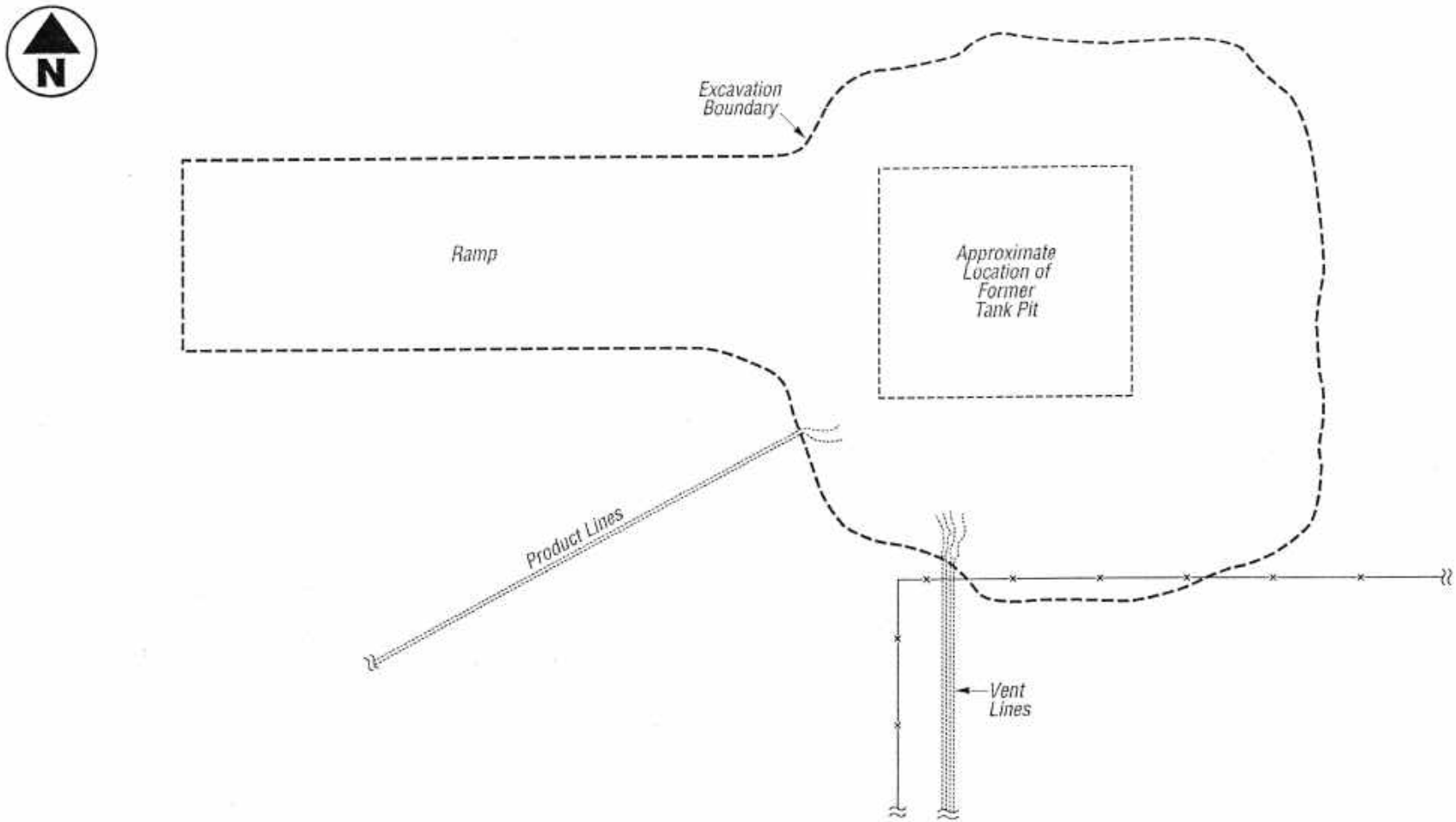
SITE PLAN

E8022-06-03	April 2002	Figure 2



LEGEND:

Buried Pipe

Fence

0 10

Scale in Feet

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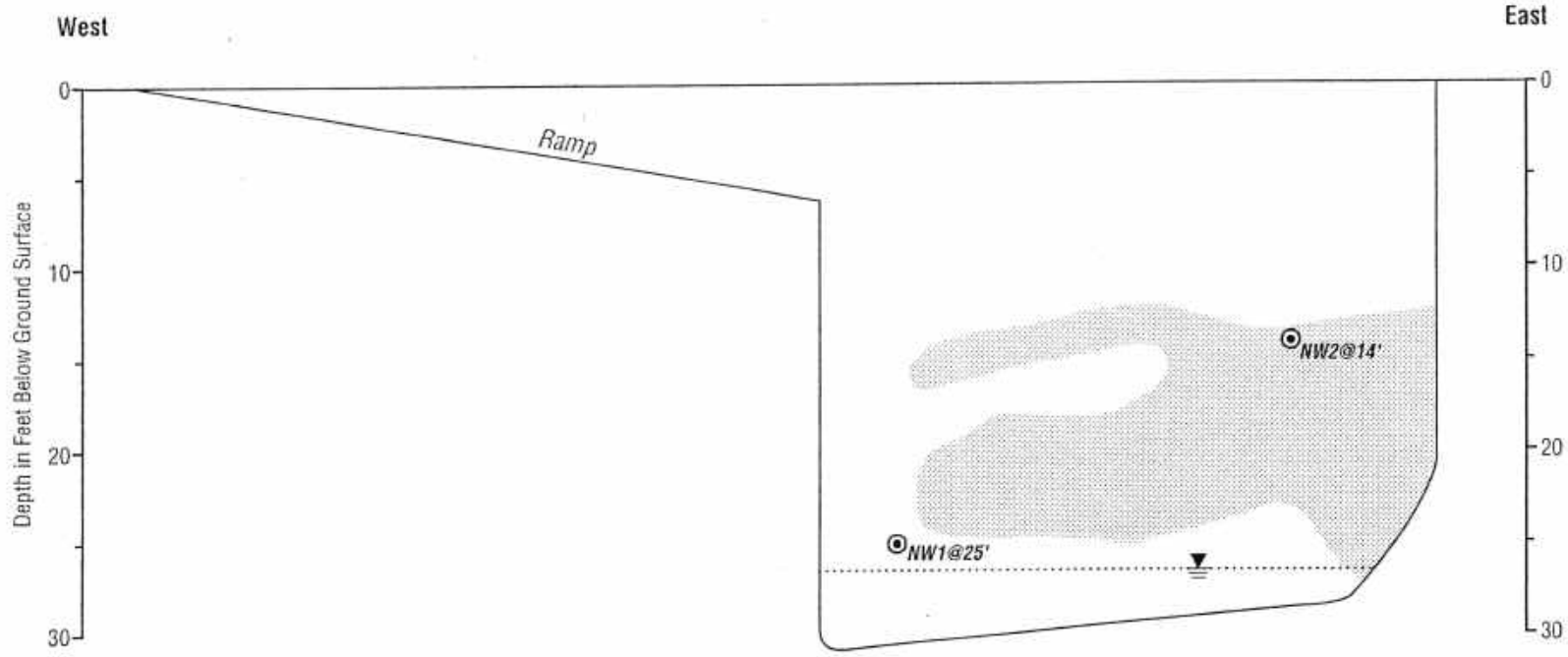
EXCAVATION BOUNDARY

E8022-06-03	March 2002	Figure 3a



LEGEND:

NW1@25' Approximate Confirmation Sample Location & Depth

Stained Soil

Potentiometric Groundwater Surface Level

0 10
Scale in Feet

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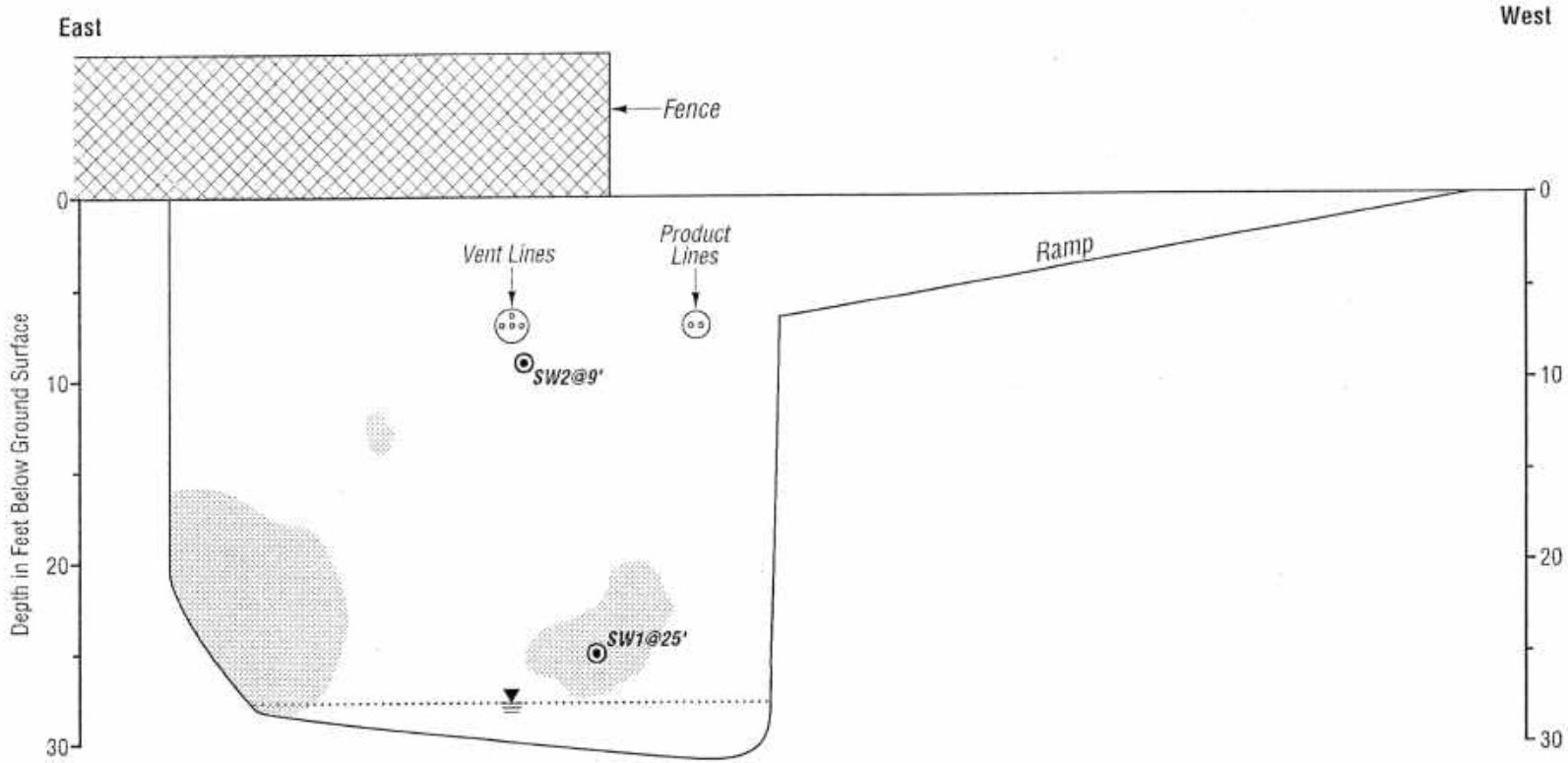
EXCAVATION CROSS-SECTION - NORTH WALL

E8022-06-03	March 2002	Figure 3b



LEGEND:

SW1@25' Approximate Confirmation Sample Location & Depth

Stained Soil

Potentiometric Groundwater Surface Level

0 10
Scale in Feet

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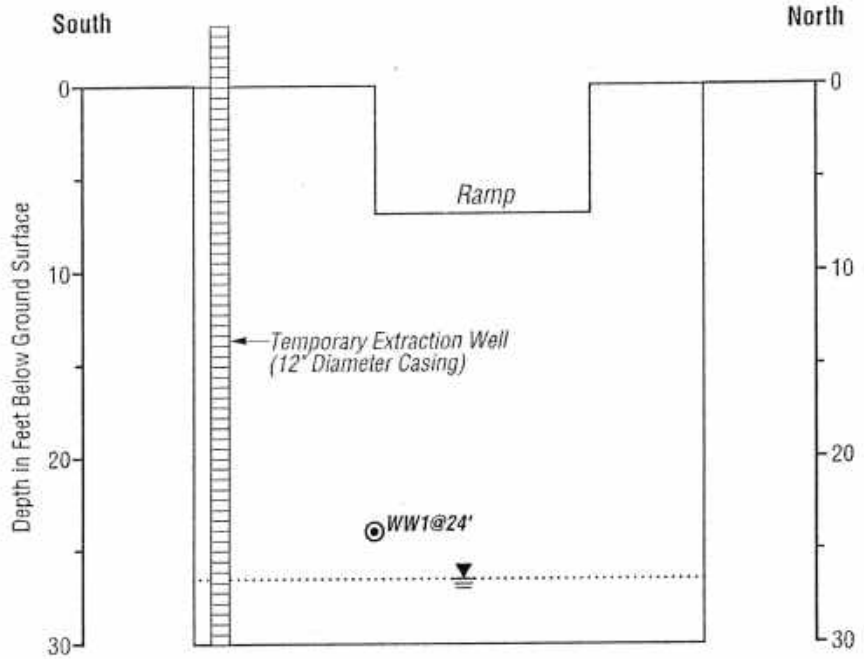
EXCAVATION CROSS-SECTION - SOUTH WALL

E8022-06-03	March 2002	Figure 3c



LEGEND:

WW1@24' Approximate Confirmation Sample Location & Depth

Potentiometric Groundwater Surface Level

0 10
Scale in Feet

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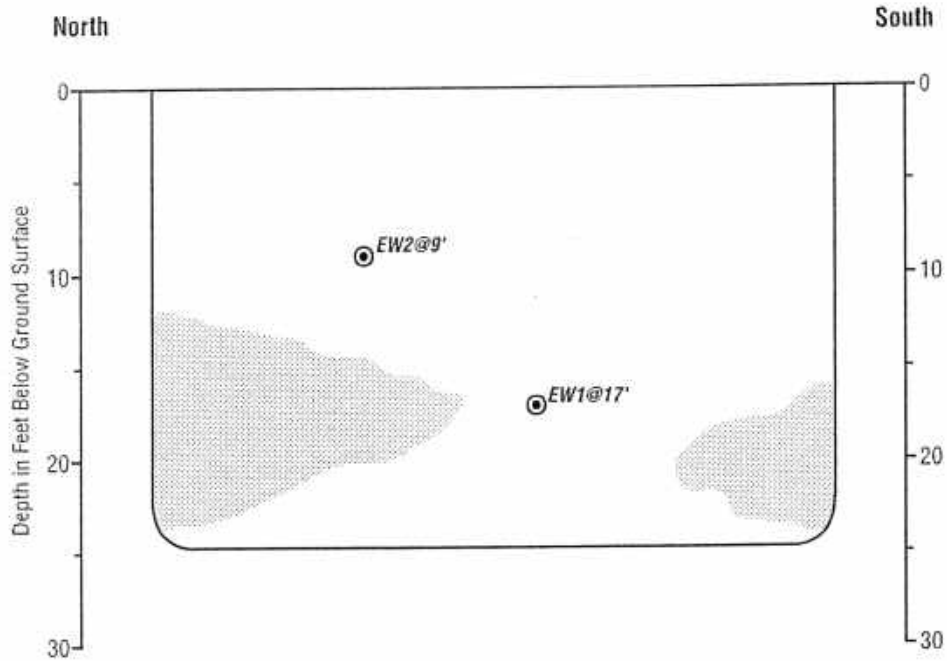
EXCAVATION CROSS-SECTION - WEST WALL

E8022-06-03	March 2002	Figure 3d



LEGEND:

EW2@9' Approximate Confirmation Sample Location & Depth

Stained Soil

0 10
Scale in Feet

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EXCAVATION CROSS-SECTION - EAST WALL

E8022-06-03	March 2002	Figure 3e

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS FOR SOIL SAMPLES
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA

Sample ID.	Sample Date	TPHg (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	DIPE (ug/kg)	ETBE (ug/kg)	TAME (ug/kg)	TB (ug/kg)	MTBE (ug/kg)
Pre-Remediation - Soil Investigation											
SB2-20	17-Jul-01	< 1.0	20	< 5	29	< 5	< 5	< 5*	< 5	< 100	< 5
SB3-20	17-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	5.2
SB4-15	17-Jul-01	620	6,600	36,000	14,000	73,000	< 250	< 250	< 250	< 5000	1,300
SB4-20	17-Jul-01	7.8	1,400	86	410	1,220	< 5	< 5	< 5	< 100	300
SB5-20	17-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5
SB6-10	17-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5
SB6-15	17-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5*	< 100	< 5
SB7-20	18-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5
SB8-20	18-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5
SB9-20	18-Jul-01	< 1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5
SB10-10	30-Jan-02	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<5.0
SB10-15	30-Jan-02	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<5.0
Stockpile Characterization Soil Samples											
Comp 1	18-Feb-02	45	65	200	240	1,170	---	---	---	---	<100
Comp 2	18-Feb-02	25	<25	57	100	380	---	---	---	---	<100
Comp 3	18-Feb-02	26	150	350	150	580	---	---	---	---	<100
Comp 4	18-Feb-02	31	35	100	140	540	---	---	---	---	<100

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS FOR SOIL SAMPLES
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA

Sample ID.	Sample Date	TPHg (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	DIPE (ug/kg)	ETBE (ug/kg)	TAME (ug/kg)	TB (ug/kg)	MTBE (ug/kg)
	Over-excavation Soil Confirmation Samples										
NW1@25'	20-Feb-02	<1.1	37	<5.3	13	<5.3	<4.7	<4.7	<4.7	<94	<4.7
NW2@14'	20-Feb-02	1.6	6.7	<5.0	16	20	<4.9	<4.9	<4.9	<98	<4.9
SW1@25'	20-Feb-02	1.8	330	13	17	38	<5.1	<5.1	<5.1	<100	<5.1
SW2@9'	20-Feb-02	<1.1	<5.3	<5.3	<5.3	<5.3	<4.9	<4.9	<4.9	<98	<4.9
WW1@24'	21-Feb-02	<1.1	11	<5.3	<5.3	<5.3	<5.0	<5.0	<5.0	<100	<5.0
EW1@17'	20-Feb-02	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<5.0
EW2@9'	21-Feb-02	<1.0	<5.1	<5.1	<5.1	<5.1	<5.0	<5.0	<5.0	<100	<5.0

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS FOR SOIL SAMPLES
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA

Sample ID.	Sample Date	TPHg (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	DIPE (ug/kg)	ETBE (ug/kg)	TAME (ug/kg)	TB (ug/kg)	MTBE (ug/kg)
Post Remediation - Soil Investigation											
SB11@21'		<1.0	46	<5.1	39	6.5	<4.8	<4.8	<4.8	<96	<4.8
SB11@23'		<0.98	<4.9	<4.9	<4.9	<4.9	<5.1	<5.1	<5.1	<100	<5.1
SB13@22'		<1.0	<5.2	<5.2	<5.2	<5.2	<5.3	<5.3	<5.3	<110	<5.3
SB13@23.5'		<1.0	<5.2	<5.2	<5.2	<5.2	<5.0	<5.0	<5.0	<100	<5.0

Notes:

DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
TB = Tert-Butanol
MTBE = Methyl tertiary-butyl ether
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
--- Not Analayzed
< = Less than indicated laboratory reporting limit

TABLE 2
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS FOR GROUNDWATER SAMPLES
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA

Sample ID.	Sample Date	TPHg (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TB (ug/l)	MTBE (ug/l)
	Pre-remediation - Groundwater Investigation										
SB1-W	5-Oct-00	37	2,200	3,700	1,000	4,400	---	---	---	---	200
SB2-W	17-Jul-01	0.15	1.4	0.74	0.89	< 1.0	< 5	< 5	< 5	< 100	< 0.50
SB3-W	17-Jul-01	< 0.050	1.5	1.6	< 0.50	< 1.0	< 5	< 5	< 5	< 100	6.7
SB4-W	17-Jul-01	35	3,100	3,000	1,300	5,210	< 5	< 5	< 5	< 200	420
SB5-W	17-Jul-01	< 0.050	< 0.50	< 0.50	< 0.50	< 1.0	< 5	< 5	< 5	< 100	< 0.50
SB6-W	17-Jul-01	< 0.050	0.88	< 0.50	< 0.50	< 1.0	< 5	< 5	< 5	< 100	< 0.50
SB7-W	17-Jul-01	0.081	< 0.50	0.67	< 0.50	1.1	< 5	< 5	< 5	< 100	< 0.50
SB8-W	18-Jul-01	0.091	0.67	1.3	0.62	2.0	< 5	< 5	< 5	< 100	< 0.50
SB9-W	18-Jul-01	0.12	20	0.52	< 0.50	1.1	< 5	< 5	< 5	< 100	< 0.50
SB10-W	30-Jan-02	<0.20	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	< 100	<0.50
GW1	18-Feb-02	<0.050	<0.50	<0.50	<0.50	<0.50	---	---	---	---	<2.0
	Grab Samples from 12-inch Temporary Well Point										
before purging 12" well	21-Feb-02	0.69	19	54	13	58	<0.5	<0.5	<0.5	<0.5	7.0
after purging 6,000 gallons 12" well	25-Feb-02	0.57	6.9	3.5	10	31.5	<0.5	<0.5	<0.5	28	33

TABLE 2
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS FOR GROUNDWATER SAMPLES
ANTHONY AUTO WRECKERS
850 SAN PABLO AVENUE, PINOLE, CALIFORNIA

Sample ID.	Sample Date	TPHg (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TB (ug/l)	MTBE (ug/l)
Post Remediation - Groundwater Investigation											
12" well	29-Mar-02	<0.050	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<20	2.2
SB11	29-Mar-02	0.12	7.7	<0.50	20	1.1	<0.5	<0.5	<0.5	<20	<0.5
SB12	29-Mar-02	<0.050	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<20	<0.5
SB13	29-Mar-02	<0.050	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<20	1.5

Notes:

DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
TB = Tert-Butanol
MTBE = Methyl tertiary-butyl ether
mg/l = milligrams per liter
ug/l = micrograms per liter
< = Less than indicated laboratory reporting limit
--- = Not Analyzed

APPENDIX A

Contra Costa County

Health Services Department
ENVIRONMENTAL HEALTH DIVISION
1111 Ward Street
Martinez, California 94553 - 1352
(510) 646-2521

CONTRA COSTA COUNTY
ENVIRONMENTAL HEALTH DIVISION
WELL PERMIT APPLICATION
(Attach Plot Plan - See Instructions on Reverse Side)

Please print or type

Location: Anthony Auto Wreckers 850 San Pablo Ave, City: Pinole CA		APN: 402-230-003-4
Subdivision	Lot Number	Lot Size
Property Owner: Farley Anthony		Phone: (510) 724-8160
Mailing Address: 5058 Mann Drive, Pinole CA 94564		City/Zip
Contractor: Gregg Drilling	License Number: C57-485165	Phone: (925) 313-5800
Mailing Address: 950 Howe Road, Martinez, CA, 94553		City/Zip
Consultant: Geocon Consultants, Inc. 2356 Research Drive, Livermore, 94550		Phone: (925) 371-5900

Type of Work
- ☐ New Well
- ☐ Repair
- ☐ Reconstruction
- ☐ Destruction
- ☒ Soil Boring
- ☐ Other _____

Proposed Use
- ☐ Domestic
- ☐ Public
- ☐ Agricultural
- ☐ Industrial
- ☐ Monitoring
- ☐ Other _____

Construction/Destruction Specifications
Diameter of well casing _____ Borehole 6"
Casing Material _____ Depth _____ Gauge _____
Annular seal depth (50' min.) _____
Type of material for annular seal/destruction
(specify mix or product) Bentonite 3%
Concrete Portland
Gravel packed ☐ yes ☐ no
Conductor casing ☐ yes ☐ no Depth ____ Diam. ____
Method of drilling/destruction hollow stem auger
(attach additional sheets if necessary)

Sewage Disposal (subject property)
- ☐ Septic system
- ☐ Sewer system _____

Sewage Disposal (off-site)
- ☐ Septic system
- ☐ Sewer system _____

A. WORKERS' COMPENSATION CERTIFICATE
(one of two must be completed)

☒ 1. A currently effective certificate of Workers' Compensation Insurance coverage is on file with this County. Compensation Insurance Policy # on file is currently in force.

☐ 2. I certify that in the performance of the work for which this permit will be issued I shall not employ any person in any manner so as to become subject to the workers' compensation laws in California.

B. TERMS OF PERMIT
I hereby certify that the above information and submitted plans are true and correct and that the proposed work will comply with all permit conditions and applicable laws and regulations. I agree to obtain all required inspections, maintain a copy of the approved permit and plans at the job site until final approval, and obtain written authorization prior to deviating from the approved permit or plans, or placing the well in service. It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and indefinite operation of this well is made by the Contra Costa County Environmental Health Division.

Signature of Contractor (C-57 Licensee) _____ Date 1/11/2

DO NOT WRITE BELOW THIS LINE

Permit Approved/Issued: By: _____ Date: 3/14/02

Permit Denied: By: _____ Date: _____

Final Approval: By: _____ Date: _____

PERMIT CONDITIONS (where checked):

☐ Contact the Environmental Health Division at least 24 hours prior to sealing the annular space or well destruction to schedule an inspection appointment at a mutually agreeable time. Appointments shall be arranged for County business hours.

☐ A proper annular seal and surface construction features are to be installed, and required water analyses completed within 30 days of commencing drilling.

☐ Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.

☐ Other _____

PERMIT EXPIRES 180 DAYS FROM DATE OF APPROVAL (permits are non-transferrable, revocable and suspendable)

? ✓ 3/13/02 $129.94 G1079008 C41

Permit No. 02-1199

ORIGINAL - ENVIRONMENTAL HEALTH YELLOW - CONTRACTOR PINK - OWNER BLUE - INSPECTOR

Contra Costa County

Health Services Department
ENVIRONMENTAL HEALTH DIVISION
2120 Diamond Blvd., Suite 200
Concord, California 94520
(925) 646-5225

CONTRA COSTA COUNTY
ENVIRONMENTAL HEALTH DIVISION
WELL PERMIT APPLICATION

Please print or type

(Attach Plot Plan - See Instructions on Reverse Side)

ocation				APN
Subdivision	Lot Number	GPS Longitude	GPS Latitude	Lot Size
operty Owner				Phone ( )
Mailing Address				City/Zip
ontractor		License Number		Phone ( )
Mailing Address				City/Zip
Consultant/Mailing Address				Phone ( )

pe of Work

- ☐ New Well
- Repair
- Reconstruction
- ☐ Destruction
- Soil Boring
- Other _____

_____

Proposed Use

- ☐ Domestic
- ☐ Public
- ☐ Agricultural
- ☐ Industrial
- ☐ Monitoring
- ☐ Other _____

No. of Service Connections ____

Construction/Destruction Specifications

Diameter of well casing _____ Borehole _____

Casing Material _____ Depth _____ Gauge _____

Annular seal depth (50' min.) _____

Type of material for annular seal/destruction

(specify mix or product) Bentonite _____

Concrete _____

Gravel/sand packed ☐ yes ☐ no

Conductor casing ☐ yes ☐ no Depth ____ Diam. ____

Method of drilling/destruction _____

(attach additional sheets if necessary)

wage Disposal (subject property)

- Septic system
- Sewer system _____

Sewage Disposal (off-site)

- ☐ Septic system
- ☐ Sewer system _____

WORKERS' COMPENSATION CERTIFICATE *(one of two must be completed)*

☒ 1. A currently effective certificate of Workers' Compensation Insurance coverage is on file with this County. Compensation Insurance Policy # _____ is currently in force.

☐ 2. I certify that in the performance of the work for which this permit will be issued I shall not employ any person in any manner so as to become subject to the workers' compensation laws in California.

TERMS OF PERMIT

I hereby certify that the above information and submitted plans are true and correct and that the proposed work will comply with all permit conditions and applicable laws and regulations. I agree to obtain all required inspections, maintain a copy of the approved permit and plans at the job site until final approval, and obtain written authorization prior to deviating from the approved permit or plans, or placing the well in service. It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and indefinite operation of this well is made by the Contra Costa County Environmental Health Division.

Signature of Contractor (C-57 Licensee) _____ Date _____

DO NOT WRITE BELOW THIS LINE

mit Approved/Issued: By: _____ Date: _____

rmit Denied: By: _____ Date: _____

al Approval: By: _____ Date: _____

ERMIT CONDITIONS:

Contact the Environmental Health Division at least 24 hours prior to sealing the annular space or well destruction to schedule an inspection appointment at a mutually agreeable time. Voicemail messages are not acceptable; confirmation must be made directly with the inspector or supervisor. Appointments shall be arranged for County business hours.

A proper annular seal and surface construction features are to be installed, and required water analyses completed within 30 days of commencing drilling.

Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.

4. Other _____

ERMIT EXPIRES 180 DAYS FROM DATE OF APPROVAL (permits are non-transferrable, revocable and suspendable)

Permit No. _____

EH5 (9/97) ORIGINAL - ENVIRONMENTAL HEALTH YELLOW - CONTRACTOR PINK - OWNER BLUE - INSPECTOR

APPENDIX B

PROJECT NO. E8022-06-03

BORING NO. SB10

DATE DRILLED 1/30/02 WATER LEVEL (ATD) 28.0'

EQUIPMENT HOLLOW STEM AUGER DRILLER V&W DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**CONCRETE**		
				Moist, yellowish brown, Silty Clayey GRAVEL (GC), gravel to 1/2"	GC	
2						
3						
4						
5						
6						
7						
8						
9						
10	66	SB10-10		Hard, damp, mottled yellowish/grayish brown Silty SANDSTONE		
11						
12						
13						
14						
15	50-6"	SB10-15		Hard, damp, mottled yellowish/grayish brown, Silty SANDSTONE		
16						
17						
18						
19						
20						
21						
22						
23						
24				- drilling eased up at 24 feet		

Figure B1, Log of Boring SB10, page 1 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: **NA**

ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. E8022-06-03

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. SB10** DATE DRILLED 1/30/02 WATER LEVEL (ATD) 28.0' EQUIPMENT HOLLOW STEM AUGER DRILLER V&W DRILLING	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
26						
27						
28				▽		
29						
30				BORING TERMINATED AT 30 FEET		

Figure B2, Log of Boring SB10, page 2 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: NA	ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. E8022-06-03

BORING NO. SB11

DATE DRILLED 3/29/02 WATER LEVEL (ATD) 28.0'

EQUIPMENT HOLLOW STEM AUGER DRILLER GREGG DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**BEDROCK**		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12		SB11-12		Hard, dry, very light yellowish brown SILTSTONE		
13						
14						
15		SB11-16		Hard, damp, very light gray SILTSTONE, slight odor Hard, damp, brown, Silty CLAYSTONE, no odor Hard, damp, light yellowish brown SILTSTONE, no odor		
16						
17						
18		SB11-19		Hard, damp, light gray SILTSTONE, slight odor		
19						
20						
21		SB11-21		- odor slightly increased		
22				Hard, damp, grayish brown, Sandy SILTSTONE, no odor		
23		SB11-23				
24						

Figure B3, Log of Boring SB11, page 1 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: **NA**

ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. E8022-06-03

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. SB11** DATE DRILLED 3/29/02 WATER LEVEL (ATD) 28.0' EQUIPMENT HOLLOW STEM AUGER DRILLER GREGG DRILLING	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
26				- color to yellowish brown		
27						
28				▽ - drilling got softer, cuttings wetter		
29						
30						
31						
32						
33						
34						
35						
				BORING TERMINATED AT 35.5 FEET		

Figure B4, Log of Boring SB11, page 2 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: NA	ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. E8022-06-03

BORING NO. SB13

DATE DRILLED 3/29/02 WATER LEVEL (ATD) 34.0'

EQUIPMENT HOLLOW STEM AUGER DRILLER GREGG DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12				Hard, dry, very light yellowish brown, Clayey SILTSTONE, no odor		
13						
14						
15						
16						
17		SB13-17				
18						
19						
20		SB13-20				
21		SB13-22				
22				- very slight odor		
23		SB13-23.5		- no odor		
24						

Figure B5, Log of Boring SB13, page 1 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: **NA**

ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. E8022-06-03

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. SB13** DATE DRILLED 3/29/02 WATER LEVEL (ATD) 34.0' EQUIPMENT HOLLOW STEM AUGER DRILLER GREGG DRILLING	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
26						
27						
28						
29						
30						
31						
32						
33						
34				▽		
35				BORING TERMINATED AT 35 FEET		

Figure B6, Log of Boring SB13, page 2 of 2

ENV_NO_WELL AUTO.GPJ 04/26/02

BORING ELEVATION: **NA**	ENGINEER/GEOLOGIST:

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX C

Photo No. 1 View of over-excavation facing east from west end of ramp

Photo No. 2 View of stained soil on north wall of over-excavation at approximately 12 feet below ground surface

SITE PHOTOS NO. 1 & 2

GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925 371-5900 – FAX 925 371-5915

Anthony Auto Wreckers		
850 San Pablo Avenue Pinole, California		
E8022-06-03	April 2002	

Photo No. 3 View of east wall when stained soil was first encountered

Photo No. 4 View of stained soil left in place in the southeast corner of the over-excavation

SITE PHOTOS NO. 3 & 4

GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925.371-5900 – FAX 925.371-5915

Anthony Auto Wreckers		
850 San Pablo Avenue Pinole, California		
E8022-06-03	April 2002	

Photo No. 5 View of stained soil on north and east walls left in place in the northeast corner of the over-excavation

Photo No. 6 View of product lines and vent lines, located on south wall, for the former UST

SITE PHOTOS NO. 5 & 6

GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925 371-5900 – FAX 925 371-5915

Anthony Auto Wreckers		
850 San Pablo Avenue Pinole, California		
E8022-06-03	April 2002	

Photo No. 7 View of west wall demonstrating no staining

Photo No. 8 View of PVC casing and geotextile during backfilling operations

SITE PHOTOS NO. 7 & 8

GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925 371-5900 – FAX 925 371-5915

Anthony Auto Wreckers		
850 San Pablo Avenue Pinole, California		
E8022-06-03	April 2002	

APPENDIX D

February 06, 2002

Matt Hanko
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Anthony Auto Body - E8022-06-03

Work Order No.: 055186

Attention: Matt Hanko

Enclosed are the results for sample(s) received on January 31, 2002 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon Consultants, Inc
Attn: Matt Hanko
Address: 2356 Research Drive
City: Livermore State: CA Zip Code: 94550
TEL: (925) 371-5900
FAX: (925) 371 5915

Project Name: Anthony Auto Body
Project #: ES022-06-03
Sampler: (Printed Name) Leanne Roberts (Signature) L Roberts

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) LM Date: 1/31/02 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: L Roberts 1/30/02
Print Name Date
Signature: L Roberts

Send Report To:
Attn: Matt Hanko
Co: Geocon
Address: 2356 Research Dr
City: Livermore State: CA Zip: 94550

Bill To:
Attn: _____
Co: Same
Address: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 8270 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); gas package

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	8270 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPHD (Diesel-GC)	gas package	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	55186-001	SB10-10	1/30	10:50							X	X							E	1	MTC		
	2	SB10-15	1/30	11:05							X	X							E	1	MTC		
	3	SB10-W	1/30	11:20							X			X					E	6	GV C		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

• TAT starts 8 a.m. following day if [illegible] s rec [illegible] fter !

TAT: A= Overnight [illegible] 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO3 S=H2SO4 C=4°C [illegible] =Z[illegible] O [illegible] I [illegible] H2O2

Container Types: T=Tube V=VOA L=Liter [illegible] int [illegible]ar [illegible] [illegible]ass [illegible] lasti[illegible] [illegible] Me[illegible]

Advanced Technology Laboratories

Print Date: *2/6/02*

CLIENT:	Geocon Environmental	**Client Sample ID:**	SB10-10
Lab Order:	055186		
Project:	Anthony Auto Body - E8022-06-03	**Collection Date:**	1/30/02 10:50:00 AM
Lab ID:	055186-001A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
GRO	ND	1.0		mg/Kg	1.0	2/5/02
OXYGENATES BY GC/FID				**EPA 8015B(M)**		
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
Di-isopropyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Ethyl tert-butyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Tert-amyl methyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Tert-Butanol	ND	100		µg/Kg	1.0	2/5/02
VOLATILE ORGANIC COMPOUNDS BY GC/PID				**EPA 8020A**		
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
Benzene	ND	5.0		µg/Kg	1.0	2/5/02
Ethylbenzene	ND	5.0		µg/Kg	1.0	2/5/02
m,p-Xylene	ND	5.0		µg/Kg	1.0	2/5/02
MTBE	ND	5.0		µg/Kg	1.0	2/5/02
o-Xylene	ND	5.0		µg/Kg	1.0	2/5/02
Toluene	ND	5.0		µg/Kg	1.0	2/5/02

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: R

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *2/6/02*

CLIENT:	Geocon Environmental	**Client Sample ID:**	SB10-15
Lab Order:	055186		
Project:	Anthony Auto Body - E8022-06-03	**Collection Date:**	1/30/02 11:05:00 AM
Lab ID:	055186-002A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID			**EPA 8015B(M)**			
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
GRO	ND	1.0		mg/Kg	1.0	2/5/02
OXYGENATES BY GC/FID			**EPA 8015B(M)**			
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
Di-isopropyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Ethyl tert-butyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Tert-amyl methyl ether	ND	5.0		µg/Kg	1.0	2/5/02
Tert-Butanol	ND	100		µg/Kg	1.0	2/5/02
VOLATILE ORGANIC COMPOUNDS BY GC/PID			**EPA 8020A**			
RunID: **GC2_020206A** BatchID: **E028G20S039**				PrepDate:		Analyst: **RK**
Benzene	ND	5.0		µg/Kg	1.0	2/5/02
Ethylbenzene	ND	5.0		µg/Kg	1.0	2/5/02
m,p-Xylene	ND	5.0		µg/Kg	1.0	2/5/02
MTBE	ND	5.0		µg/Kg	1.0	2/5/02
o-Xylene	ND	5.0		µg/Kg	1.0	2/5/02
Toluene	ND	5.0		µg/Kg	1.0	2/5/02

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

2

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *2/6/02*

CLIENT:	Geocon Environmental	**Client Sample ID:**	SB10-W
Lab Order:	055186		
Project:	Anthony Auto Body - E8022-06-03	**Collection Date:**	1/30/02 11:20:00 AM
Lab ID:	055186-003A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID			**EPA 8015B(M)**			
RunID: **GC6_020205A** BatchID: **I028G20W013**			PrepDate:			Analyst: **JPC**
GRO	ND	0.20		mg/L	1.0	2/5/02
OXYGENATES BY GC/FID			**EPA 8015B(M)**			
RunID: **GC6_020205A** BatchID: **I028G20W013**			PrepDate:			Analyst: **JPC**
Di-isopropyl ether	ND	5.0		µg/L	1.0	2/5/02
Ethyl tert-butyl ether	ND	5.0		µg/L	1.0	2/5/02
Tert-amyl methyl ether	ND	5.0		µg/L	1.0	2/5/02
Tert-Butanol	ND	100		µg/L	1.0	2/5/02
VOLATILE ORGANIC COMPOUNDS BY GC/PID			**EPA 8020A**			
RunID: **GC6_020205A** BatchID: **I028G20W013**			PrepDate:			Analyst: **JPC**
Benzene	ND	0.50		µg/L	1.0	2/5/02
Ethylbenzene	ND	0.50		µg/L	1.0	2/5/02
m,p-Xylene	ND	0.50		µg/L	1.0	2/5/02
MTBE	ND	0.50		µg/L	1.0	2/5/02
o-Xylene	ND	0.50		µg/L	1.0	2/5/02
Toluene	ND	0.50		µg/L	1.0	2/5/02

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Feb-02*

CLIENT: Geocon Environmental
Work Order: 055186
Project: Anthony Auto Body - E8022-06-03

QC SUMMARY REPORT
Method Blank

Sample ID **020205MBLKS1** Batch ID: **E028G20S039** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/Kg** Analysis Date: **2/5/02** Prep Date:
MBLK SeqNo: **233516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0		0				0			

Sample ID **020205MBLKS1** Batch ID: **E028G20S039** Test Name **OXYGENATES BY GC/FID** Units **µg/Kg** Analysis Date: **2/5/02** Prep Date:
MBLK SeqNo: **233553**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-isopropyl ether	ND	5.0		0				0			
Ethyl tert-butyl ether	ND	5.0		0				0			
Tert-amyl methyl ether	ND	5.0		0				0			
Tert-Butanol	ND	100		0				0			J

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/L** Analysis Date: **2/5/02** Prep Date:
MBLK SeqNo: **233471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20		0				0			

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **OXYGENATES BY GC/FID** Units **µg/L** Analysis Date: **2/5/02** Prep Date:
MBLK SeqNo: **233480**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-isopropyl ether	ND	5.0		0				0			
Ethyl tert-butyl ether	ND	5.0		0				0			
Tert-amyl methyl ether	ND	5.0		0				0			
Tert-Butanol	ND	100		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: [illegible]

All calculations are based on raw values.

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 055186
Project: Anthony Auto Body - E8022-06-03

QC SUMMARY REPORT
Method Blank

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **VOLATILE ORGANIC COMPOUNDS BY GC/PID** Units **µg/L** Analysis Date: **2/5/02** Prep Date:

MBLK SeqNo: **233462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50		0				0			
Ethylbenzene	ND	0.50		0				0			
m,p-Xylene	ND	0.50		0				0			
MTBE	ND	0.50		0				0			
o-Xylene	ND	0.50		0				0			
Toluene	ND	0.50		0				0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: R

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *06-Feb-02*

CLIENT: Geocon Environmental
Work Order: 055186
Project: Anthony Auto Body - E8022-06-03

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **055231-001AMS** Batch ID: **E028G20S039** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/Kg** Analysis Date: **2/5/02** Prep Date:
MS SeqNo: **233518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	2.5	1.0	5	0	50	31	113	0			

Sample ID **055231-001AMS** Batch ID: **E028G20S039** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/Kg** Analysis Date: **2/5/02** Prep Date:
MSD SeqNo: **233519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3	1.0	5	0	59	31	113	2.5	18	25	

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/L** Analysis Date: **2/5/02** Prep Date:
MS SeqNo: **233472**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1	0	96	50	119	0			

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/L** Analysis Date: **2/5/02** Prep Date:
MSD SeqNo: **233473**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1	0	95	50	119	0.96	1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: Geocon Environmental
Work Order: 055186
Project: Anthony Auto Body - E8022-06-03

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **VOLATILE ORGANIC COMPOUNDS BY GC/PID** Units **µg/L** Analysis Date: **2/5/02** Prep Date:

MS SeqNo: **233463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.2	0.50	5.5	0	77	60	136	0			
Toluene	25	0.50	30	0	82	61	128	0			

Sample ID **020205BLKW1** Batch ID: **I028G20W013** Test Name **VOLATILE ORGANIC COMPOUNDS BY GC/PID** Units **µg/L** Analysis Date: **2/5/02** Prep Date:

MSD SeqNo: **233464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.1	0.50	5.5	0	75	60	136	4.2	4	18	
Toluene	22	0.50	30	0	75	61	128	25	11	22	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *06-Feb-02*

CLIENT: Geocon Environmental
Work Order: 055186
Project: Anthony Auto Body - E8022-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **020205LCSS1** Batch ID: **E028G20S039** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/Kg** Analysis Date: **2/5/02** Prep Date:
LCS SeqNo: **233515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5	0	83	64	128	0			

Sample ID **020205LCSW1** Batch ID: **I028G20W013** Test Name **GASOLINE RANGE ORGANICS BY GC/FID** Units **mg/L** Analysis Date: **2/5/02** Prep Date:
LCS SeqNo: **233479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.98	0.20	1	0	98	64	107	0			

Sample ID **020205LCSW1** Batch ID: **I028G20W013** Test Name **VOLATILE ORGANIC COMPOUNDS BY GC/PID** Units **µg/L** Analysis Date: **2/5/02** Prep Date:
LCS SeqNo: **233470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	5.7	0.50	5.5	0	104	58	131	0			
Ethylbenzene	7.4	0.50	8.6	0	86	58	131	0			
m,p-Xylene	30	0.50	35	0	86	58	131	0			
MTBE	87	0.50	101	0	86	58	131	0			
o-Xylene	11	0.50	12	0	95	58	131	0			
Toluene	26	0.50	30	0	85	58	131	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

5

All calculations are based on raw values.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Geocon
2356 Research Dr.
Livermore, CA 94550

Date: 28-FEB-02
Lab Job Number: 157061
Project ID: E8022-06-03
Location: Anthony's Auto

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

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CA ELAP # 1459

CHAIN OF CUSTODY FORM

Page ____ of ____

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 157061

Project No: E8022-06-03
Project Name: Anthony's Auto
Project P.O.: Same
Turnaround Time: 24 hr TAT

Sampler: Matt Hurko
Report To: ↑
Company: Geocon
Telephone: 925-371-5900 ext 203
Fax: 925-371-5915

Laboratory Number	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO	Preservative: HNO_3	Preservative: ICE	Preservative: NP	Field Notes	Analyses: TPH/BTEX/MTBE	Analyses: TPH/TPH	Analyses: Total lead	Analyses: WET lead
1	1A-1D	2-18-02	X			4				X		Composite	X			
2	2A-2D															
3	3A-3D															
4	4A-4D			X												
5	GW-1			X							X		X			

For Laboratory Use

Notes:

RELINQUISHED BY:
Matt Hurko DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY:
AC 2/18/02 1530 DATE/TIME
DATE/TIME
DATE/TIME

Signature

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	GW-1	Batch#:	70186
Matrix:	Water	Sampled:	02/18/02
Units:	ug/L	Received:	02/18/02
Diln Fac:	1.000		

Type:	SAMPLE	Analyzed:	02/19/02
Lab ID:	157061-005		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	59-135
Bromofluorobenzene (FID)	107	60-140

Type:	BLANK	Analyzed:	02/18/02
Lab ID:	QC170524		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	59-135
Bromofluorobenzene (FID)	98	60-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Field ID:	GW-1	Batch#:	70186
Matrix:	Water	Sampled:	02/18/02
Units:	ug/L	Received:	02/18/02
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 02/19/02
Lab ID: 157061-005

Analyte	Result	RL
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	56-142
Bromofluorobenzene (PID)	101	55-149

Type: BLANK Analyzed: 02/18/02
Lab ID: QC170524

Analyte	Result	RL
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	98	56-142
Bromofluorobenzene (PID)	96	55-149

ND= Not Detected
RL= Reporting Limit
Page 1 of 1

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC170525	Batch#:	70186
Matrix:	Water	Analyzed:	02/18/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,135	107	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	59-135
Bromofluorobenzene (FID)	98	60-140

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC170526	Batch#:	70186
Matrix:	Water	Analyzed:	02/18/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	20.45	102	51-125
Benzene	20.00	17.22	86	67-117
Toluene	20.00	16.46	82	69-117
Ethylbenzene	20.00	17.24	86	68-124
m,p-Xylenes	40.00	34.89	87	70-125
o-Xylene	20.00	17.85	89	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	56-142
Bromofluorobenzene (PID)	92	55-149

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	70186
MSS Lab ID:	157053-001	Sampled:	02/14/02
Matrix:	Water	Received:	02/14/02
Units:	ug/L	Analyzed:	02/19/02
Diln Fac:	1.000		

Type: MS Lab ID: QC170527

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<33.00	2,000	2,118	106	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-135
Bromofluorobenzene (FID)	106	60-140

Type: MSD Lab ID: QC170528

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,198	110	65-131	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	59-135
Bromofluorobenzene (FID)	108	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	02/18/02
Units:	mg/Kg	Received:	02/18/02
Basis:	as received	Analyzed:	02/19/02
Batch#:	70204		

Field ID:	1A-1D	Lab ID:	157061-001
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
Gasoline C7-C12	45	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	62-138
Bromofluorobenzene (FID)	102	46-150

Field ID:	2A-2D	Lab ID:	157061-002
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
Gasoline C7-C12	25	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	62-138
Bromofluorobenzene (FID)	100	46-150

Field ID:	3A-3D	Lab ID:	157061-003
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
Gasoline C7-C12	26	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	62-138
Bromofluorobenzene (FID)	93	46-150

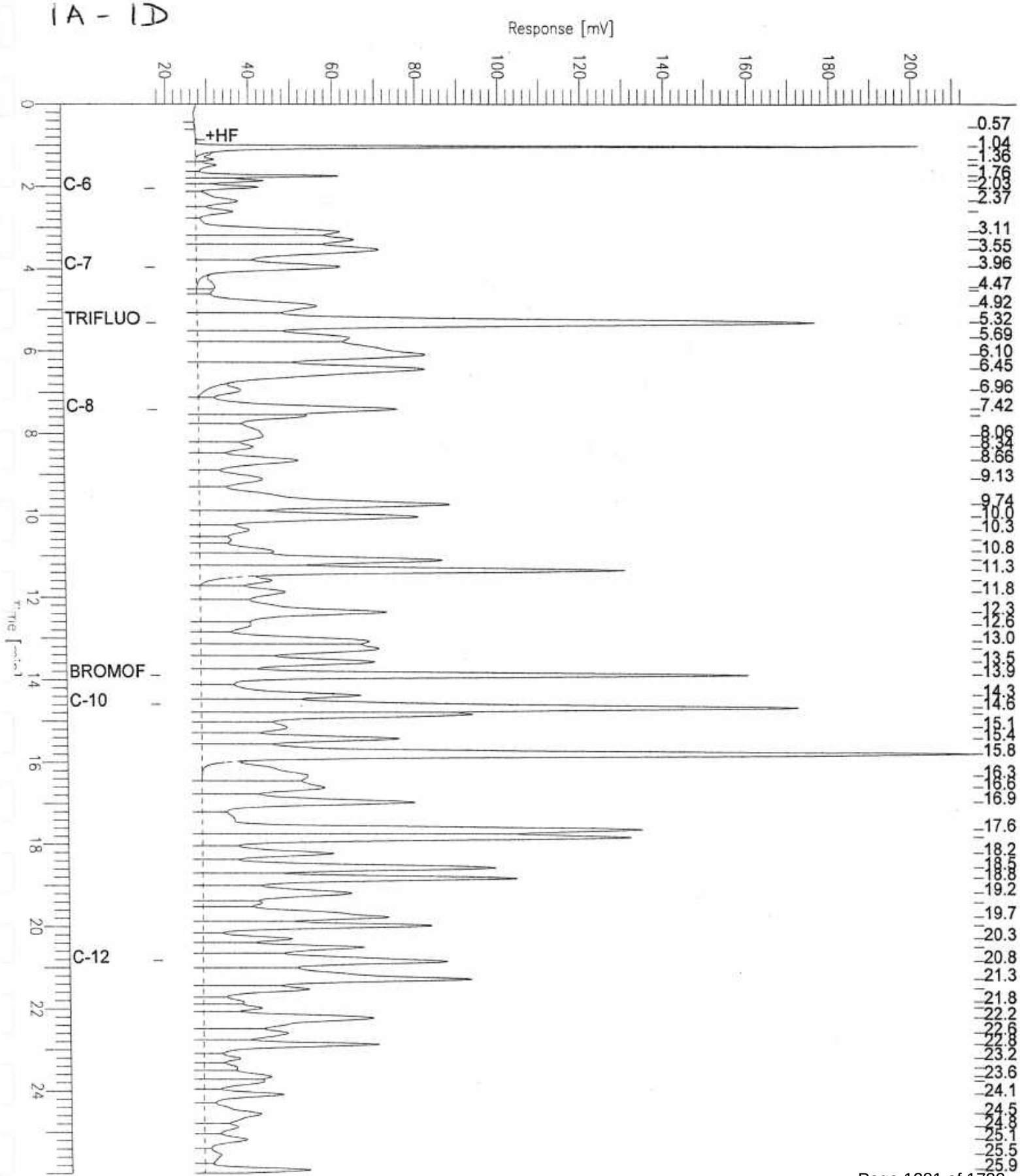
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 157061-001,70204,+MTBE
FileName : G:\GC07\DATA\049A044.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
ale Factor: 1.0 Plot Offset: 17 mV

Sample #: COMP
Date : 2/19/02 03:40 PM
Time of Injection: 2/19/02 11:43 AM
Low Point : 17.50 mV High Point : 213.91 mV
Plot Scale: 196.4 mV

1A - 1D

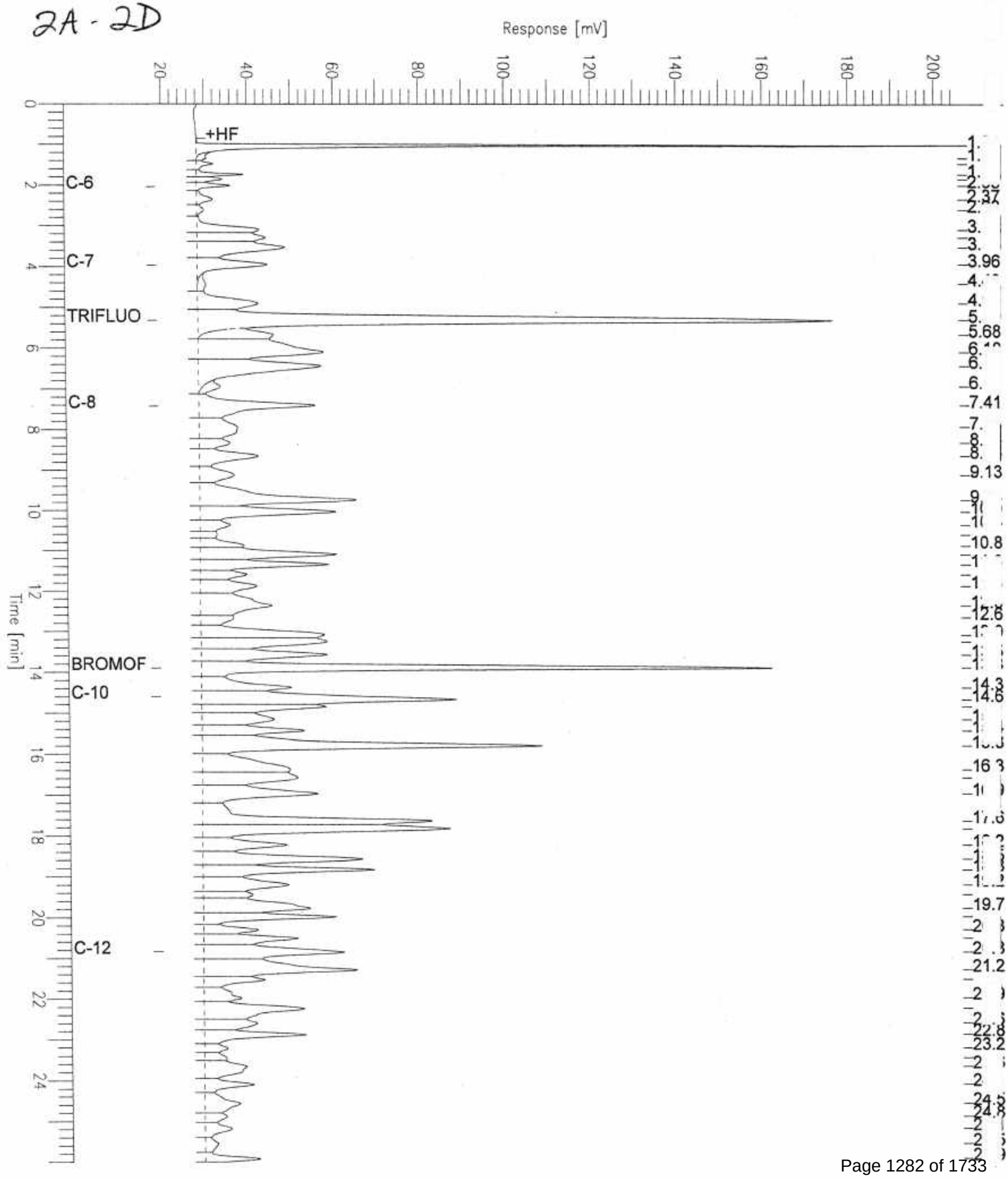


GC07 TVH 'A' Data File RTX 502

Sample Name : 157061-002,70204,+MTBE
FileName : G:\GC07\DATA\049A036.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 19 mV

Sample #: COMP
Date : 2/19/02 03:40 PM
Time of Injection: 2/19/02 07:10 AM
Low Point : 18.92 mV High Point : 205.66 mV
Plot Scale: 186.7 mV

2A - 2D

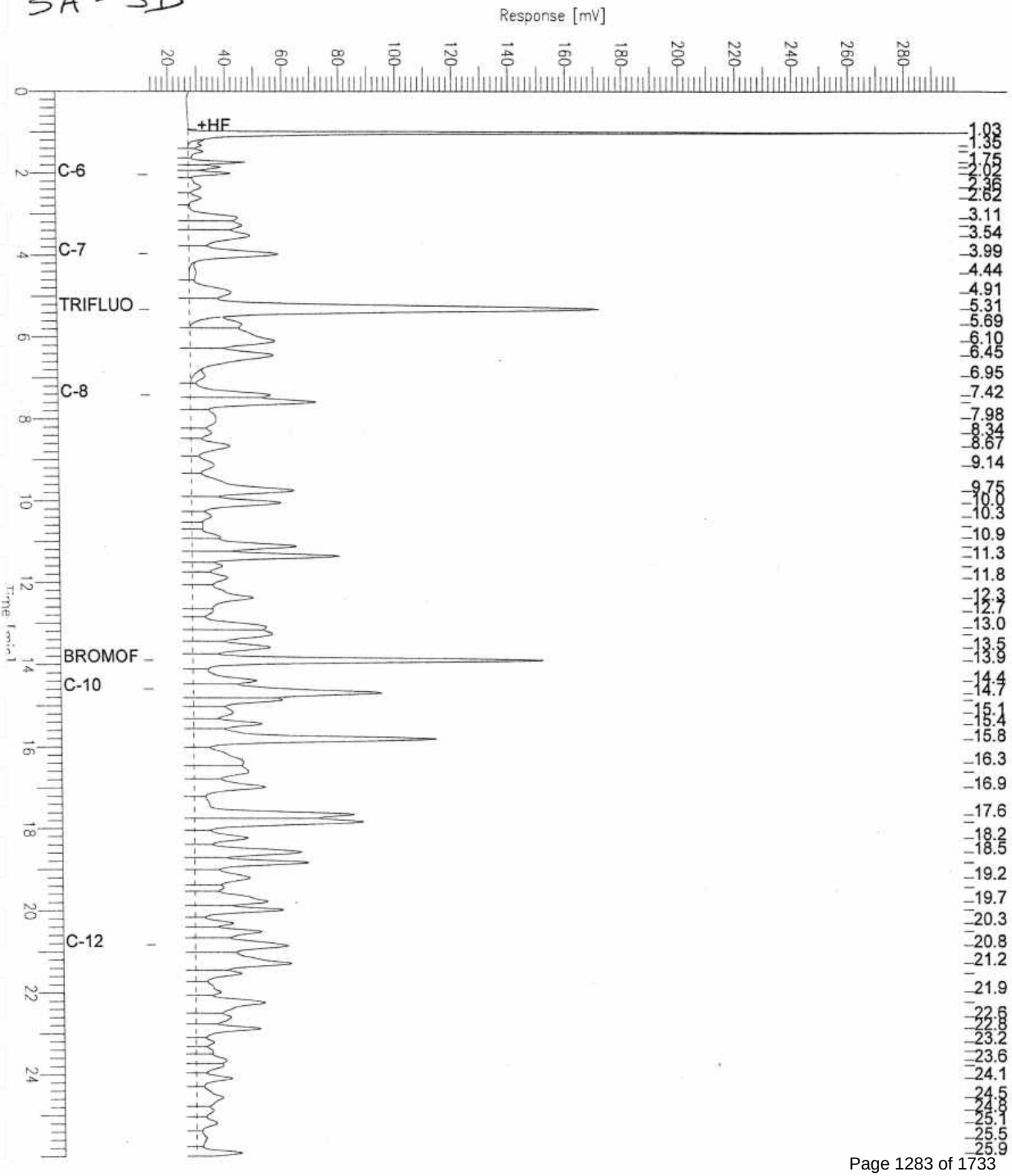


GC07 TVH 'A' Data File RTX 502

Sample Name : 157061-003,70204,+MTBE
FileName : G:\GC07\DATA\049A043.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
ale Factor: 1.0 Plot Offset: 13 mV

Sample #: COMP
Date : 2/19/02 03:40 PM
Time of Injection: 2/19/02 11:09 AM
Low Point : 12.95 mV High Point : 299.55 mV
Plot Scale: 286.6 mV

3A - 3D



Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	02/18/02
Units:	mg/Kg	Received:	02/18/02
Basis:	as received	Analyzed:	02/19/02
Batch#:	70204		

Field ID:	4A-4D	Lab ID:	157061-004
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
Gasoline C7-C12	31	5.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	62-138
Bromofluorobenzene (FID)	105	46-150

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC170604		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	62-138
Bromofluorobenzene (FID)	98	46-150

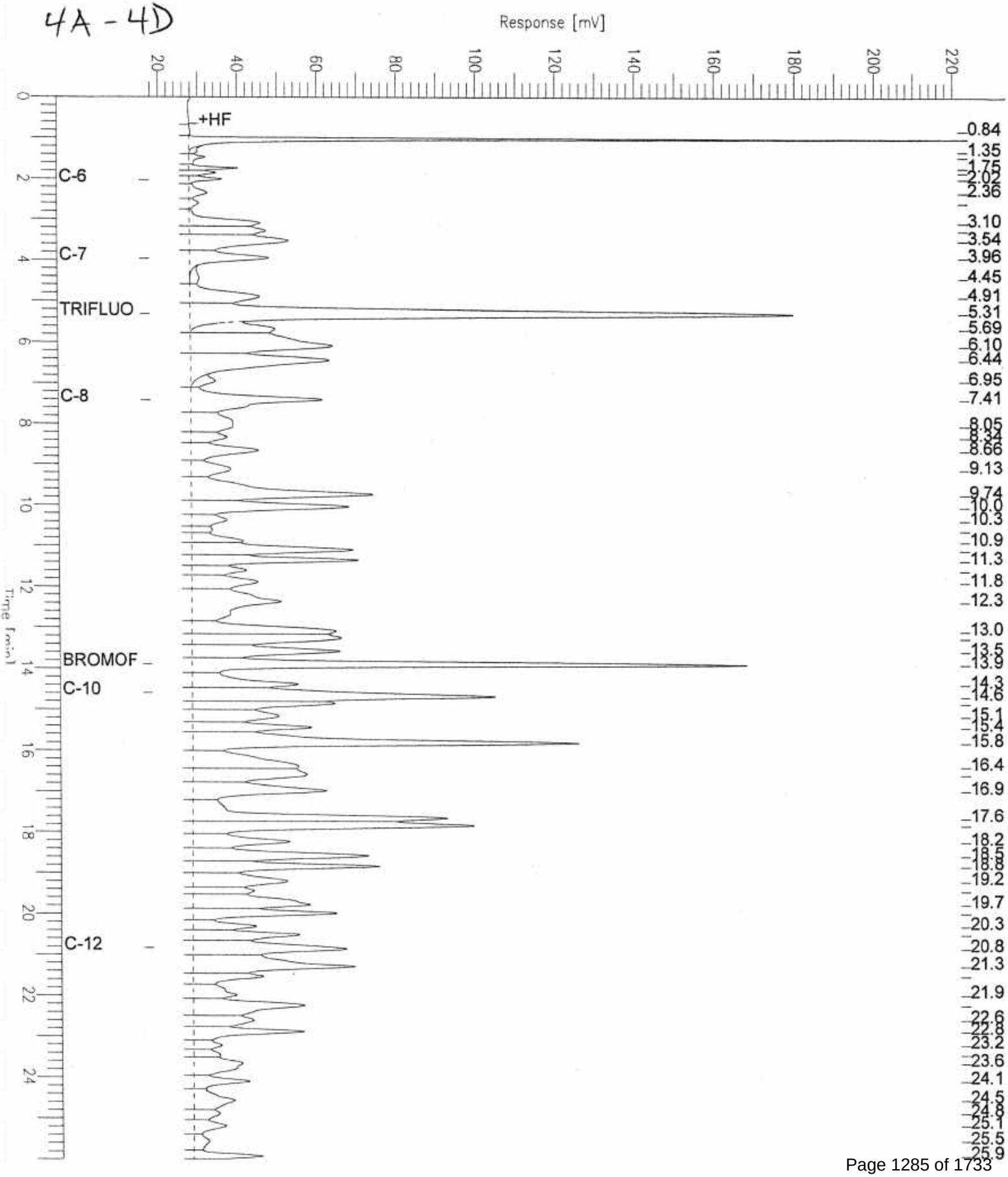
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 157061-004,70204,+MTBE
FileName : G:\GC07\DATA\049A038.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 18 mV

Sample #: COMP
Date : 2/19/02 03:40 PM
Time of Injection: 2/19/02 08:17 AM
Low Point : 17.83 mV High Point : 221.52 mV
Plot Scale: 203.7 mV

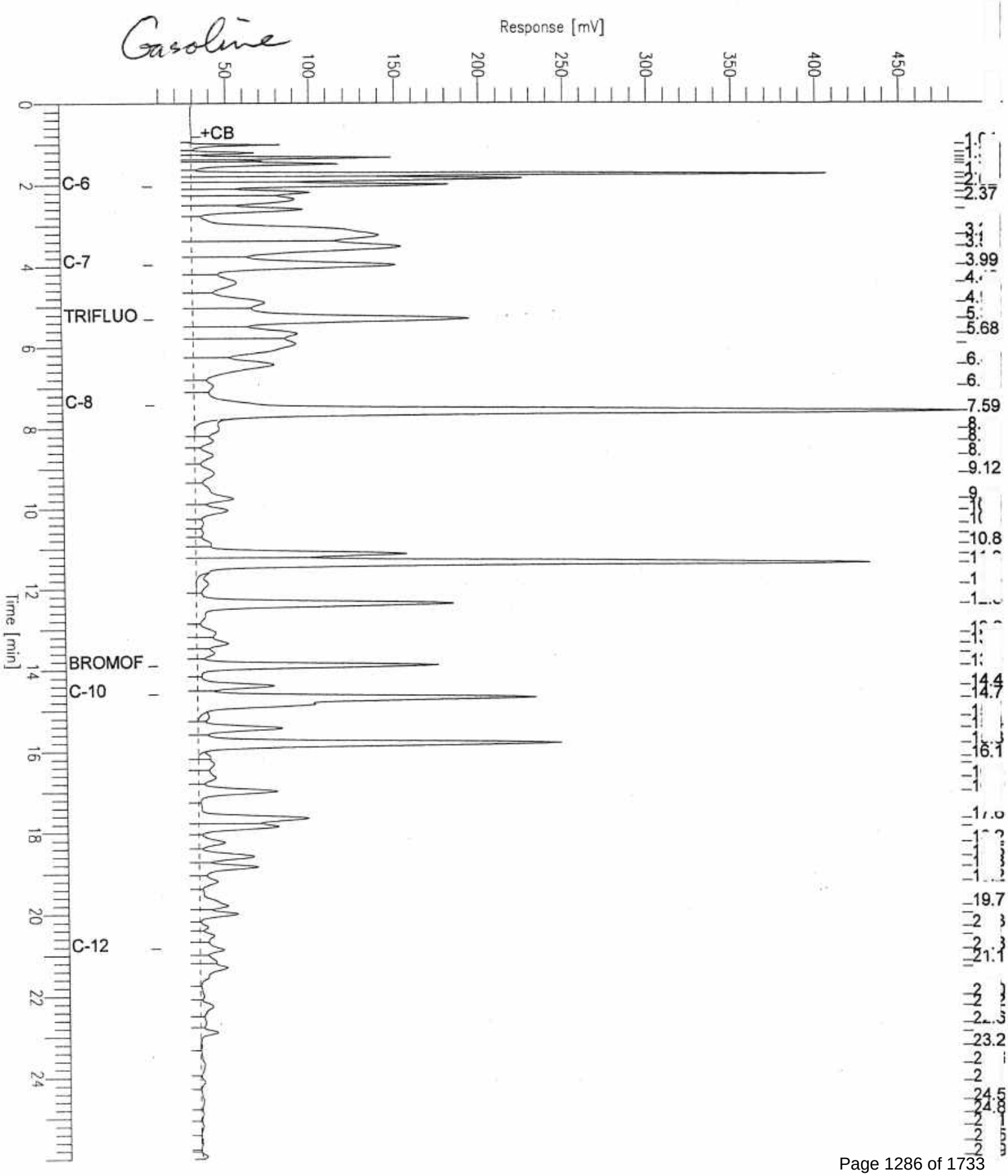
4A - 4D



GC07 TVH 'A' Data File RTX 502

Sample Name : CCV/BS,QC170602,70204,02WS0226,5/5000
FileName : G:\GC07\DATA\049A031.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

Sample #:
Date : 2/19/02 04:47 AM
Time of Injection: 2/19/02 04:21 AM
Low Point : 6.34 mV High Point : 483.49 mV
Plot Scale: 477.2 mV



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Soil	Sampled:	02/18/02
Units:	ug/Kg	Received:	02/18/02
Basis:	as received	Analyzed:	02/19/02
Batch#:	70204		

Field ID:	1A-1D	Lab ID:	157061-001
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
MTBE	ND	100
Benzene	65	25
Toluene	200	25
Ethylbenzene	240	25
m,p-Xylenes	740	25
o-Xylene	430	25

Surrogate	%REC	Limits
Trifluorotoluene (PID)	119	65-134
Bromofluorobenzene (PID)	107	55-138

Field ID:	2A-2D	Lab ID:	157061-002
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
MTBE	ND	100
Benzene	ND	25
Toluene	57	25
Ethylbenzene	100	25
m,p-Xylenes	210	25
o-Xylene	170	25

Surrogate	%REC	Limits
Trifluorotoluene (PID)	108	65-134
Bromofluorobenzene (PID)	107	55-138

Field ID:	3A-3D	Lab ID:	157061-003
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
MTBE	ND	100
Benzene	150	25
Toluene	350	25
Ethylbenzene	150	25
m,p-Xylenes	370	25
o-Xylene	210	25

Surrogate	%REC	Limits
Trifluorotoluene (PID)	111	65-134
Bromofluorobenzene (PID)	101	55-138

C= Presence confirmed, but confirmation concentration differed by more than a factor of two
D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Soil	Sampled:	02/18/02
Units:	ug/Kg	Received:	02/18/02
Basis:	as received	Analyzed:	02/19/02
Batch#:	70204		

Field ID:	4A-4D	Lab ID:	157061-004
Type:	SAMPLE	Diln Fac:	5.000

Analyte	Result	RL
MTBE	ND	100
Benzene	35 C	25
Toluene	100	25
Ethylbenzene	140	25
m,p-Xylenes	310	25
o-Xylene	230	25

Surrogate	%REC	Limits
Trifluorotoluene (PID)	116	65-134
Bromofluorobenzene (PID)	113	55-138

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC170604		

Analyte	Result	RL
MTBE	ND	20
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	65-134
Bromofluorobenzene (PID)	103	55-138

C= Presence confirmed, but confirmation concentration differed by more than a factor of two
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC170605	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70204
Units:	ug/Kg	Analyzed:	02/19/02

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	87.79	88	58-115
Benzene	100.0	73.21	73	68-117
Toluene	100.0	73.85	74	70-120
Ethylbenzene	100.0	76.66	77	67-124
m,p-Xylenes	200.0	153.9	77	72-124
o-Xylene	100.0	80.89	81	72-123

Surrogate	%REC	Limits
Trifluorotoluene (PID)	108	65-134
Bromofluorobenzene (PID)	107	55-138

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	70204
Basis:	as received	Analyzed:	02/19/02

Type: BS Lab ID: QC170602

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.943	99	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	62-138
Bromofluorobenzene (FID)	103	46-150

Type: BSD Lab ID: QC170603

Analyte	Spiked	Result	%REC	Limits	RPD	Li
Gasoline C7-C12	10.00	9.357	94	75-123	6	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	62-138
Bromofluorobenzene (FID)	98	46-150

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

ab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	SHAKER TABLE
roject#:	E8022-06-03	Analysis:	8015B(M)
atrix:	Soil	Sampled:	02/18/02
nits:	mg/Kg	Received:	02/18/02
Basis:	as received	Prepared:	02/18/02
ln Fac:	1.000	Analyzed:	02/19/02
atch#:	70205		

Field ID: 1A-1D Lab ID: 157061-001
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	38 H L Y	1.0
otor Oil C24-C36	70 H	5.0

Surrogate	%REC	Limits
exacosane	105	60-136

eld ID: 2A-2D Lab ID: 157061-002
pe: SAMPLE

Analyte	Result	RL
iesel C10-C24	22 H L Y	1.0
Motor Oil C24-C36	65 H	5.0

Surrogate	%REC	Limits
nexacosane	98	60-136

Field ID: 3A-3D Lab ID: 157061-003
pe: SAMPLE

Analyte	Result	RL
iesel C10-C24	19 H L Y	1.0
otor Oil C24-C36	37 H	5.0

Surrogate	%REC	Limits
exacosane	98	60-136

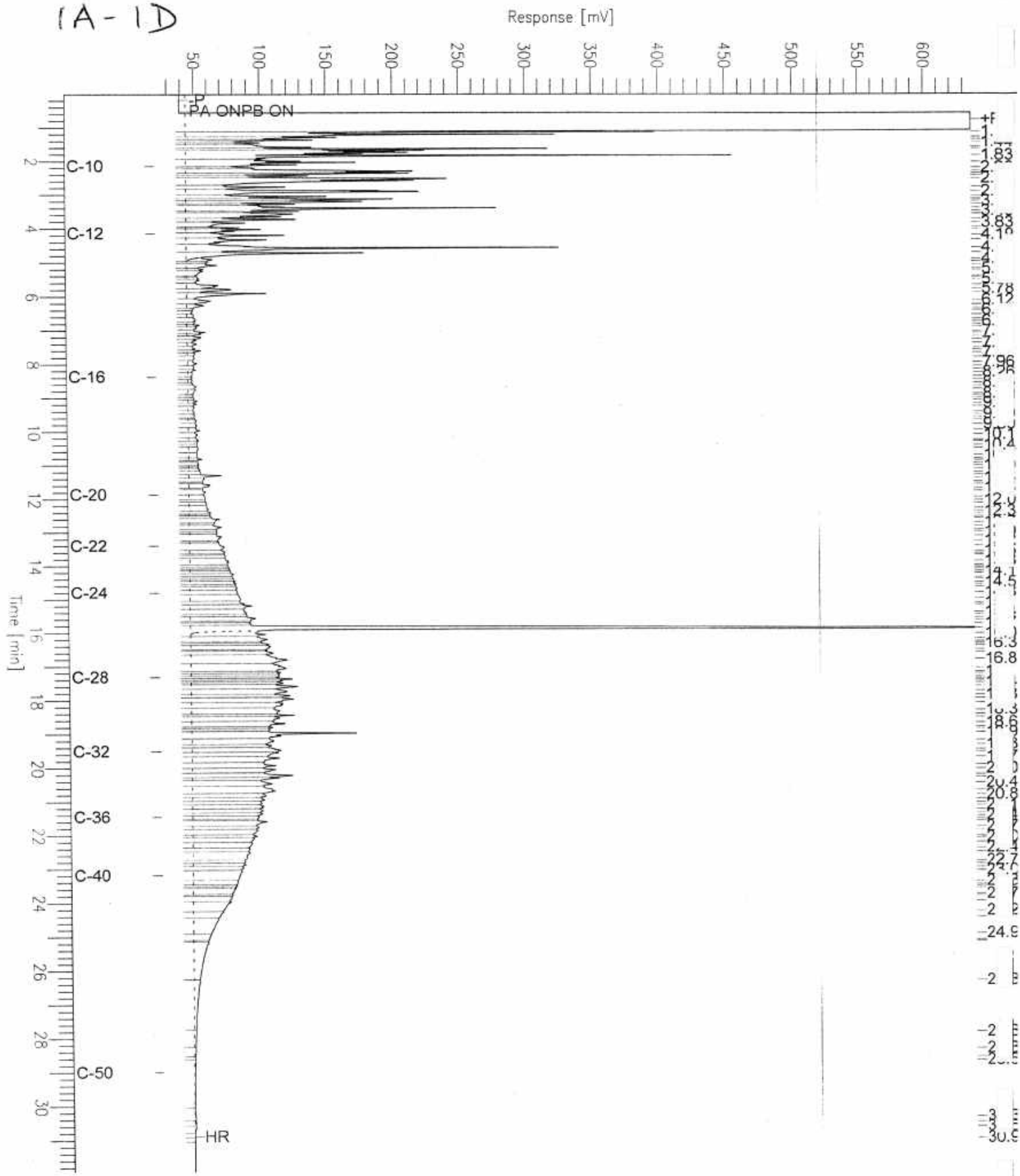
H= Heavier hydrocarbons contributed to the quantitation
= Lighter hydrocarbons contributed to the quantitation
= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
= Reporting Limit

Chromatogram

Sample Name : 157061-001,70205
FileName : G:\GC13\CHB\049B023.RAW
Method : BTEH028.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 21 mV

Sample #: 70205 Page 1 of 1
Date : 2/19/02 09:17 AM
Time of Injection: 2/19/02 02:18 AM
Low Point : 21.25 mV High Point : 636.26 mV
Plot Scale: 615.0 mV

1A - 1D

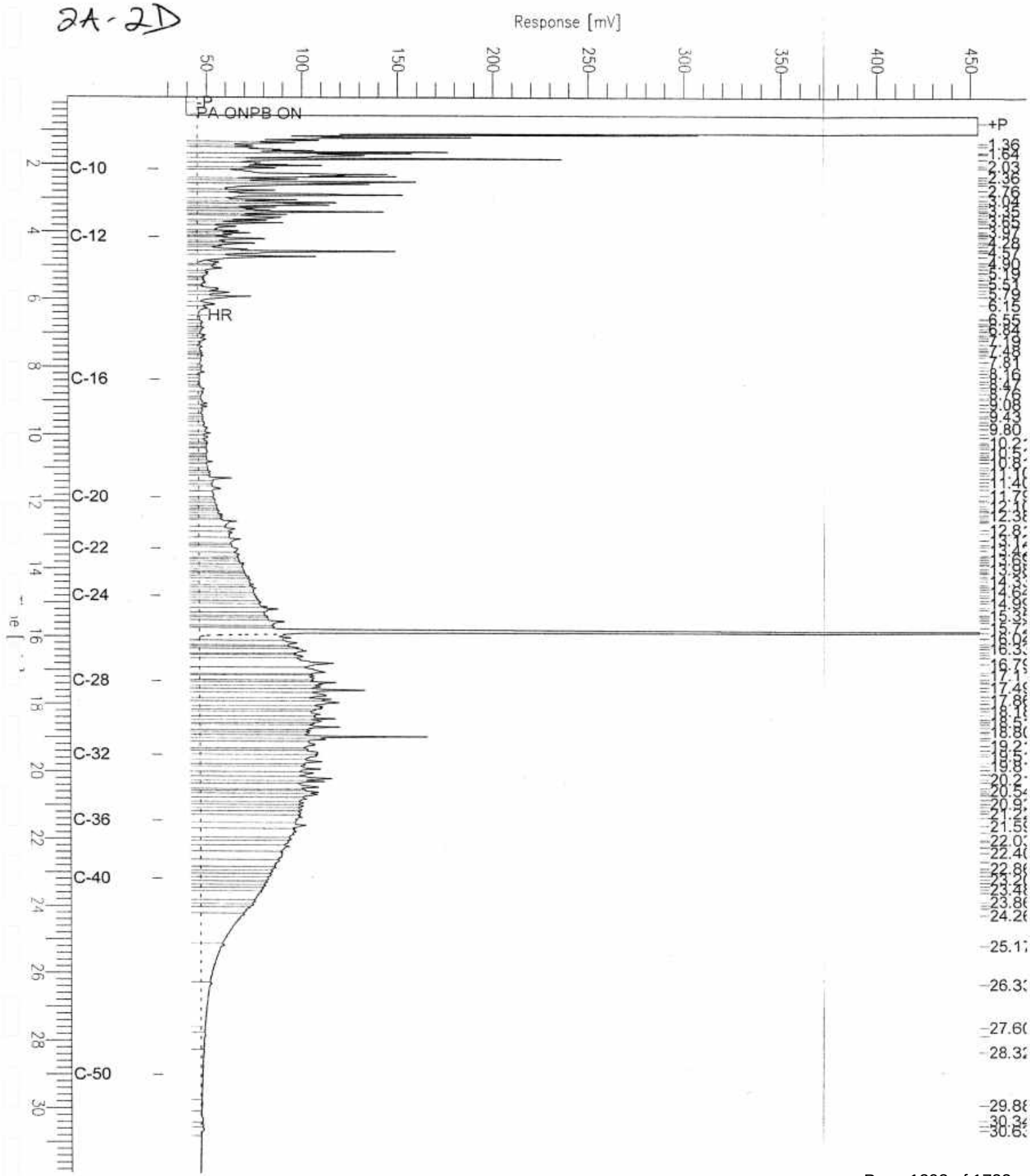


Chromatogram

Sample Name : 157061-002,70205
FileName : G:\GC13\CHB\049B024.RAW
thod : BTEH028.MTH
art Time : 0.01 min End Time : 31.91 min
ale Factor: 0.0 Plot Offset: 25 mV

Sample #: 70205
Date : 2/19/02 09:18 AM
Time of Injection: 2/19/02 02:57 AM
Low Point : 25.03 mV High Point : 453.74 mV
Plot Scale: 428.7 mV

2A - 2D

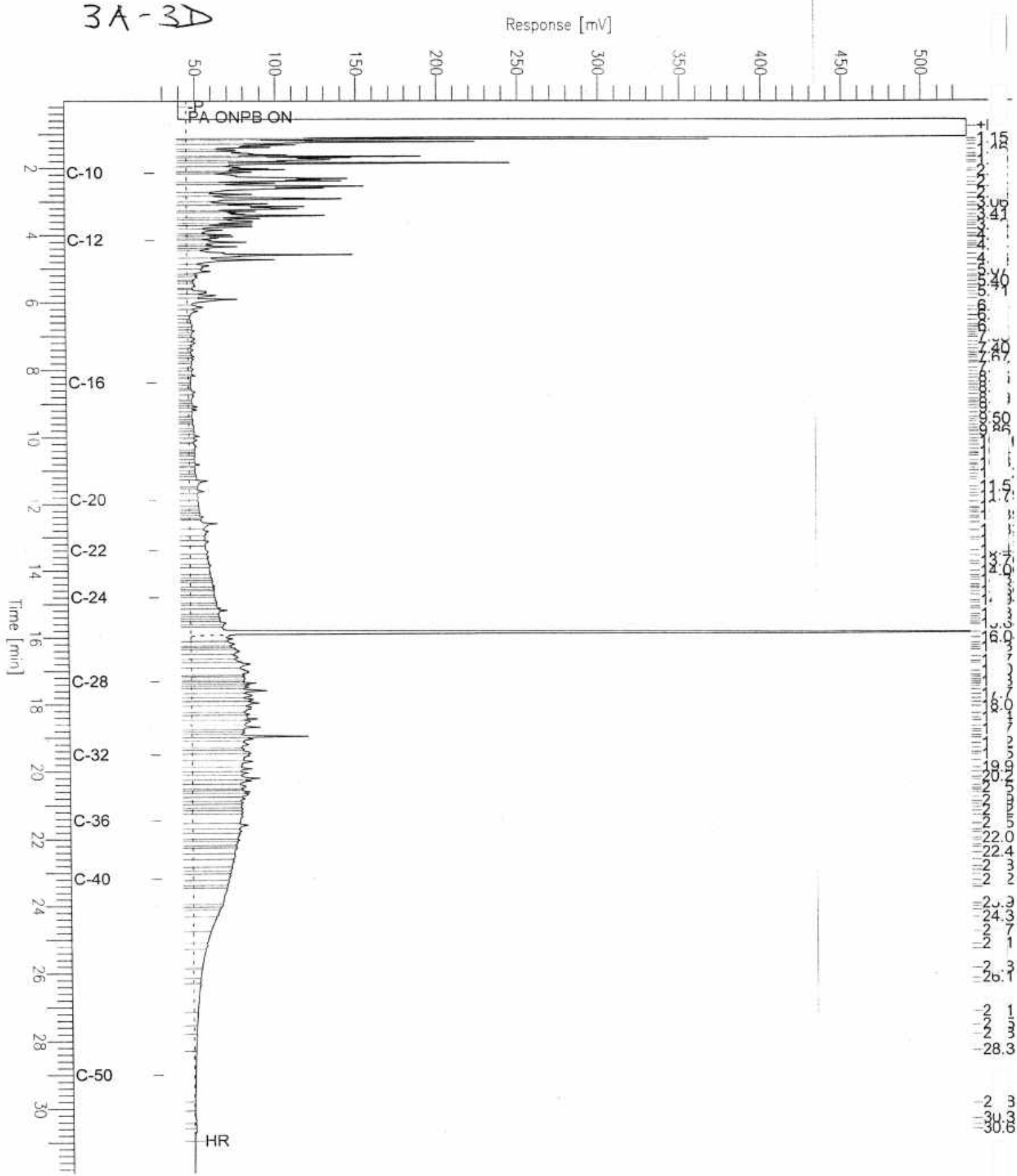


Chromatogram

Sample Name : 157061-003,70205
FileName : G:\GC13\CHB\049B025.RAW
Method : BTEH028.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 70205 Page 1 of 1
Date : 2/19/02 09:21 AM
Time of Injection: 2/19/02 03:36 AM
Low Point : 25.20 mV High Point : 528.36 mV
Plot Scale: 503.2 mV

3A-3D



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	SHAKER TABLE
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	02/18/02
Units:	mg/Kg	Received:	02/18/02
Basis:	as received	Prepared:	02/18/02
Dln Fac:	1.000	Analyzed:	02/19/02
Batch#:	70205		

Field ID: 4A-4D Lab ID: 157061-004
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	39 H L Y	1.0
Motor Oil C24-C36	97 H	5.0

Surrogate	%REC	Limits
Hexacosane	99	60-136

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC170589

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	81	60-136

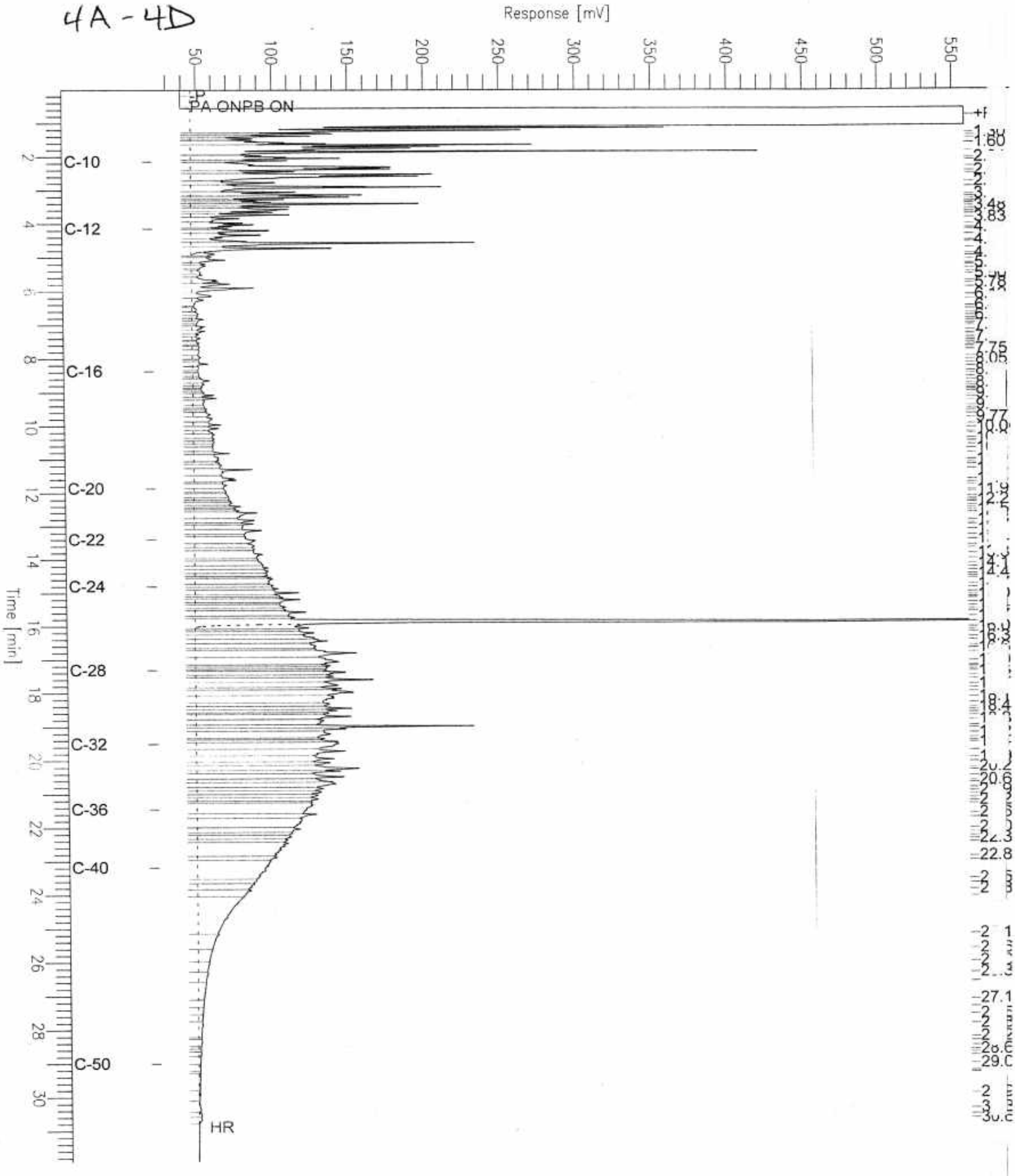
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 157061-004,70205
FileName : G:\GC13\CHB\049B026.RAW
Method : BTEH028.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 21 mV

Sample #: 70205 Page 1 of 1
Date : 2/19/02 09:22 AM
Time of Injection: 2/19/02 04:15 AM
Low Point : 21.39 mV High Point : 558.20 mV
Plot Scale: 536.8 mV

4A - 4D



Chromatogram

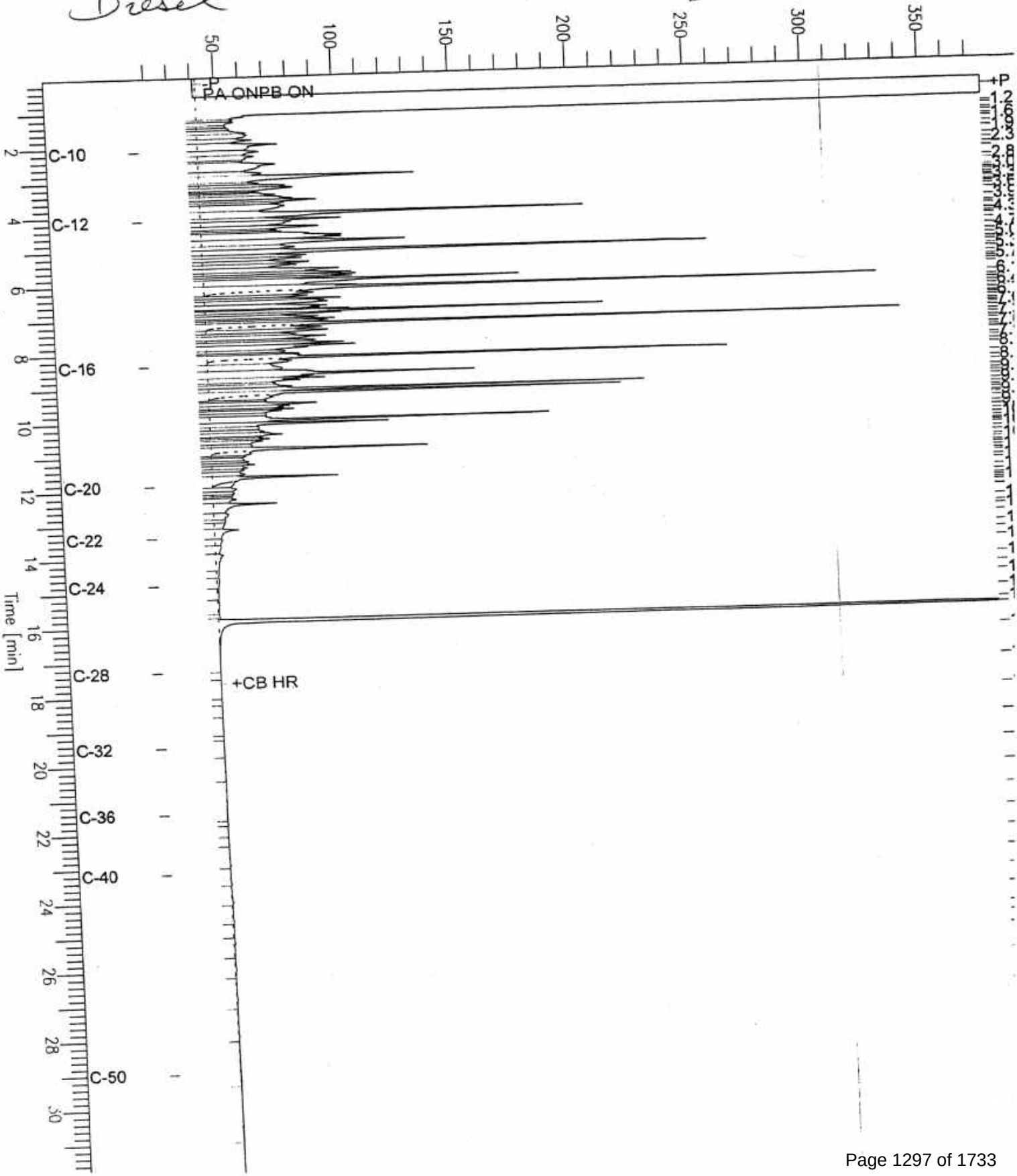
ımple Name : ccv,02ws0083,dsl
ıleName : G:\GC13\CHB\049B002.RAW
..ethod : BTEH028.MTH
Start Time : 0.01 min
cale Factor: 0.0

End Time : 31.91 min
Plot Offset: 17 mV

Sample #: 500mg/L
Date : 2/18/02 11:49 AM
Time of Injection: 2/18/02 10:25 AM
Low Point : 17.14 mV
High Point : 376.38 mV
Plot Scale: 359.2 mV

Diesel

Diesel Standard



Chromatogram

Sample Name : ccv,02ws0100,mo
FileName : G:\GC13\CHB\049B003.RAW
Method : BTEH028.MTH
Start Time : 0.01 min
Scale Factor: 0.0

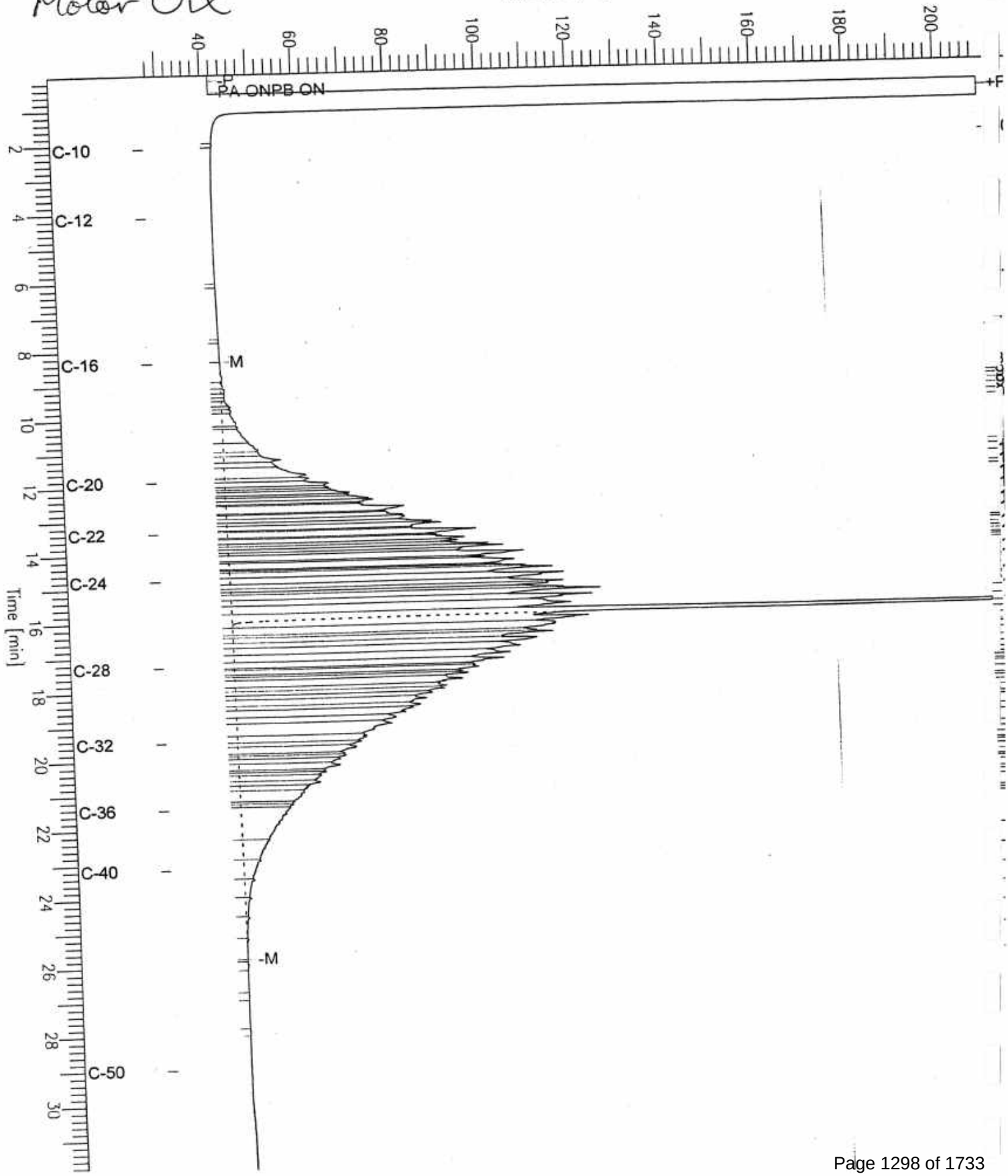
End Time : 31.91 min
Plot Offset: 27 mV

Sample #: 500mg/L
Date : 2/18/02 11:50 AM
Time of Injection: 2/18/02 11:04 AM
Low Point : 27.14 mV
Plot Scale: 182.3 mV

High Point : 209.46 mV

Motor Oil Standa

Motor Oil



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	SHAKER TABLE
Project#:	E8022-06-03	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC170590	Batch#:	70205
Matrix:	Soil	Prepared:	02/18/02
Units:	mg/Kg	Analyzed:	02/19/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.40	45.04	89	67-121

Surrogate	%REC	Limits
Hexacosane	99	60-136

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	SHAKER TABLE
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	70205
MSS Lab ID:	157052-003	Sampled:	02/14/02
Matrix:	Soil	Received:	02/15/02
Units:	mg/Kg	Prepared:	02/18/02
Basis:	as received	Analyzed:	02/19/02
Diln Fac:	1.000		

Type: MS
Lab ID: QC170591

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	4.490	49.96	41.90	75	35-146

Surrogate	%REC	Limits
Hexacosane	93	60-136

Type: MSD
Lab ID: QC170592

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lir
Diesel C10-C24	49.84	51.67	95	35-146	21	48

Surrogate	%REC	Limits
Hexacosane	106	60-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 3050
Project#:	E8022-06-03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	70206
Matrix:	Soil	Sampled:	02/18/02
Units:	mg/Kg	Received:	02/18/02
Basis:	as received	Prepared:	02/18/02
Diln Fac:	1.000	Analyzed:	02/19/02

Field ID	Type	Lab ID	Result	RL
1A-1D	SAMPLE	157061-001	59	0.14
2A-2D	SAMPLE	157061-002	15	0.14
3A-3D	SAMPLE	157061-003	15	0.15
4A-4D	SAMPLE	157061-004	21	0.14
	BLANK	QC170594	ND	0.15

ND= Not Detected
RL= Reporting Limit
Page 1 of 1

Curtis & Tompkins, Ltd.

Lead

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 3050
Project#:	E8022-06-03	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70206
Units:	mg/Kg	Prepared:	02/18/02
Basis:	as received	Analyzed:	02/19/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC170595	100.0	91.50	92	66-110		
BSD	QC170596	100.0	90.50	91	66-110	1	20

RPD= Relative Percent Difference

Lead

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 3050
Project#:	E8022-06-03	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	70206
MSS Lab ID:	157052-003	Sampled:	02/14/02
Matrix:	Soil	Received:	02/15/02
Units:	mg/Kg	Prepared:	02/18/02
Basis:	as received	Analyzed:	02/19/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC170597	3.659	92.59	69.44	71	24-132		
MSD	QC170598		90.50	71.04	74	24-132	1	41

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd.

Lead

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	METHOD
Project#:	E8022-06-03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	70253
Field ID:	1A-1D	Sampled:	02/18/02
Matrix:	WET Leachate	Received:	02/18/02
Units:	ug/L	Prepared:	02/20/02
Diln Fac:	10.00	Analyzed:	02/21/02

Type	Lab ID	Result	RL
SAMPLE	157061-001	490	150
BLANK	QC170754	ND	150

ND= Not Detected
RL= Reporting Limit
Page 1 of 1

Lead

Lab #:	157061	Location:	Anthony's Auto
Client:	Geocon	Prep:	METHOD
Project#:	E8022-06-03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	70253
Field ID:	ZZZZZZZZZZ	Sampled:	02/13/02
MSS Lab ID:	157057-001	Received:	02/15/02
Matrix:	WET Leachate	Prepared:	02/20/02
Units:	ug/L	Analyzed:	02/21/02

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln Fac
BS	QC170755		2,000	1,970		99	78-120			1.000
BSD	QC170756		2,000	1,910		96	78-120	3	20	1.000
SDUP	QC170757	191.5		ND	150			NC	29	10.00
SSPIKE	QC170758	191.5	10,000	9,700		95	66-128			10.00

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Geocon
2356 Research Dr.
Livermore, CA 94550

Date: 15-MAR-02
Lab Job Number: 157159
Project ID: E8022-06-01
Location: Anthony Auto Wreckers

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

CA ELAP # 1459

Curtis & Tompkins, Ltd.

Laboratory Number: **157159** Receipt Date: **02/22/02**
Client: **Geocon**
Project Name: **Anthony Auto Wreckers**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for one water and seven soil samples received from the above referenced project. The samples were received cold and intact.

Total Volatile Hydrocarbons/BTXE: The soil matrix spike recoveries for gasoline were not meaningful. The concentration of analyte in the spiked sample rendered the spike amount insignificant. The associated laboratory control sample (LCS) recovery was acceptable, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

Gasox: No analytical problems were encountered.

KIFF ANALYTICAL LLC

~~7225 Rice Blvd, Suite D~~
~~Davis, CA 95616~~
~~Lab: 530.297.4800~~
~~Fax: 530.297.4803~~

Curtis & Tompkins

Lab No. 157159

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Matt Hanko
Phone No.: 925-371-5900
Company/Address: Geocon Consultant 2356 Research Dr. / Livermore 94550
FAX No.: 925-371-5915
Project Number: E8022-06-01
P.O. No.:
Email Address:
☐.pdf ☐.xls ☐.doc ☐other
Project Name: Anthony Auto Wreckers
Sampler Signature:
Project Location: 850 San Pablo Ave. Pinole, CA

	Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TPHg/BTEX (EPA 8015/8020)	FOC's (EPA 8260)	TAT: 12 hr/24 hr/48 hr/72 hr/TWK/Standard	For Lab Use Only
-1	NW-1	2/20	1125		X			X	X		X														X	X	X	
-2	NW-2		1135																						X	X		
-3	SW-1		1140																						X	X		
-4	SW-2		1145																						X	X		
-5	EW-1		1200																						X	X		
-6	EW-2	2/21	1615																						X	X		
-7	WW-1	2/20	1150																						X	X		
-8	12' Well	2/21	1750	5					X	X															X	X	X	

Relinquished by:	Date	Time	Received by:	Remarks:
	2/22	1040	10:34	Rec'd in Ice/cooler
Relinquished by:	Date	Time	Received by: 2/22/02	
Relinquished by:	Date	Time	Received by Laboratory:	Bill to:

Forms/coc 062801.fh

Distrib White Yello Pink Originator

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Field ID:	12' WELL	Batch#:	70590
Matrix:	Water	Sampled:	02/21/02
Units:	ug/L	Received:	02/22/02
Diln Fac:	1.000	Analyzed:	03/05/02

Type: SAMPLE Lab ID: 157159-008

Analyte	Result	RL
Gasoline C7-C12	690	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	68-145
Bromofluorobenzene (FID)	95	66-143

Type: BLANK Lab ID: QC172025

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	68-145
Bromofluorobenzene (FID)	88	66-143

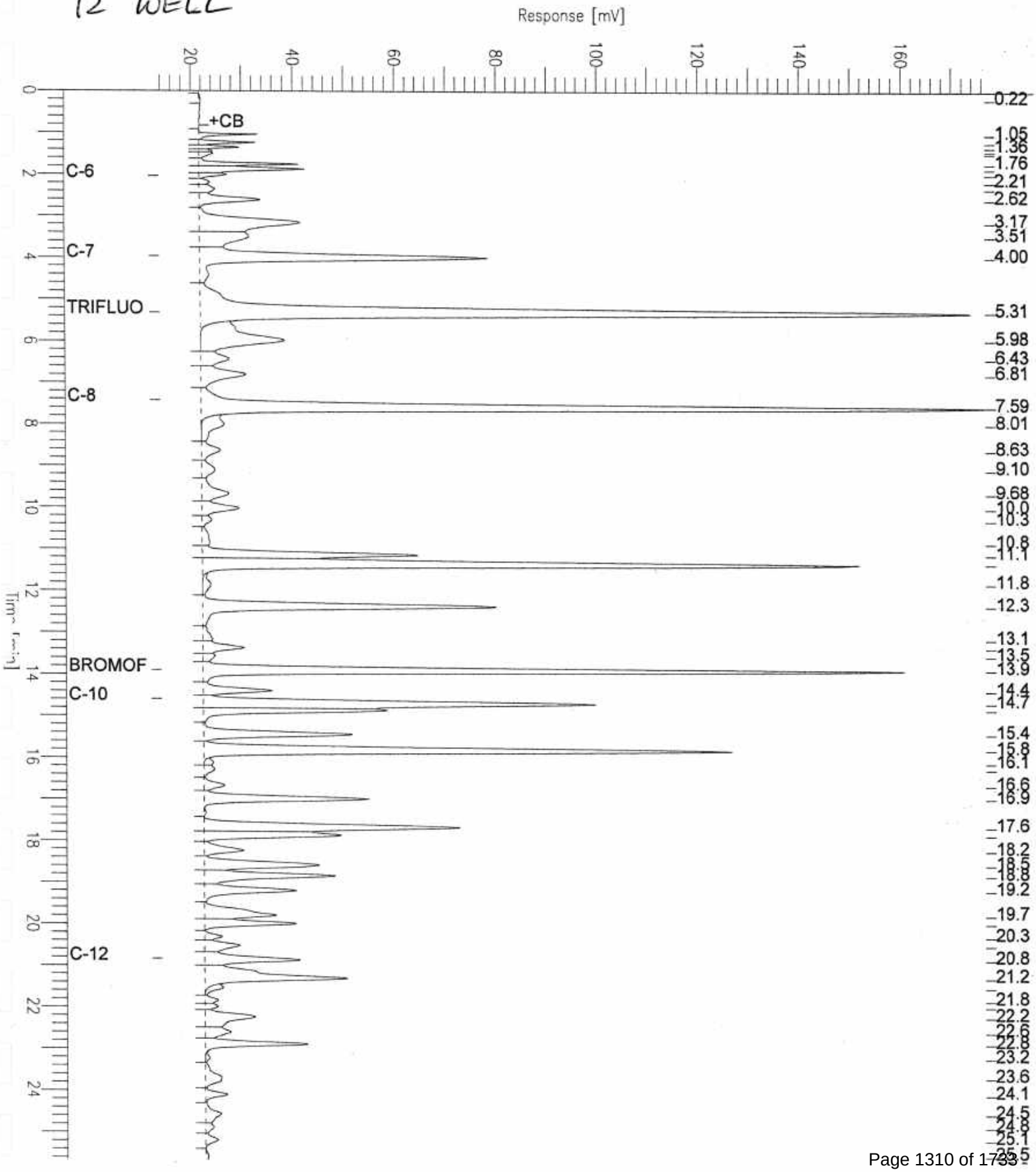
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 157159-008,70590,tvh only
leName : G:\GC07\DATA\064A008.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 14 mV

Sample #: d1 Page 1 of 1
Date : 3/5/02 07:05 PM
Time of Injection: 3/5/02 06:39 PM
Low Point : 13.85 mV High Point : 176.72 mV
Plot Scale: 162.9 mV

12' WELL

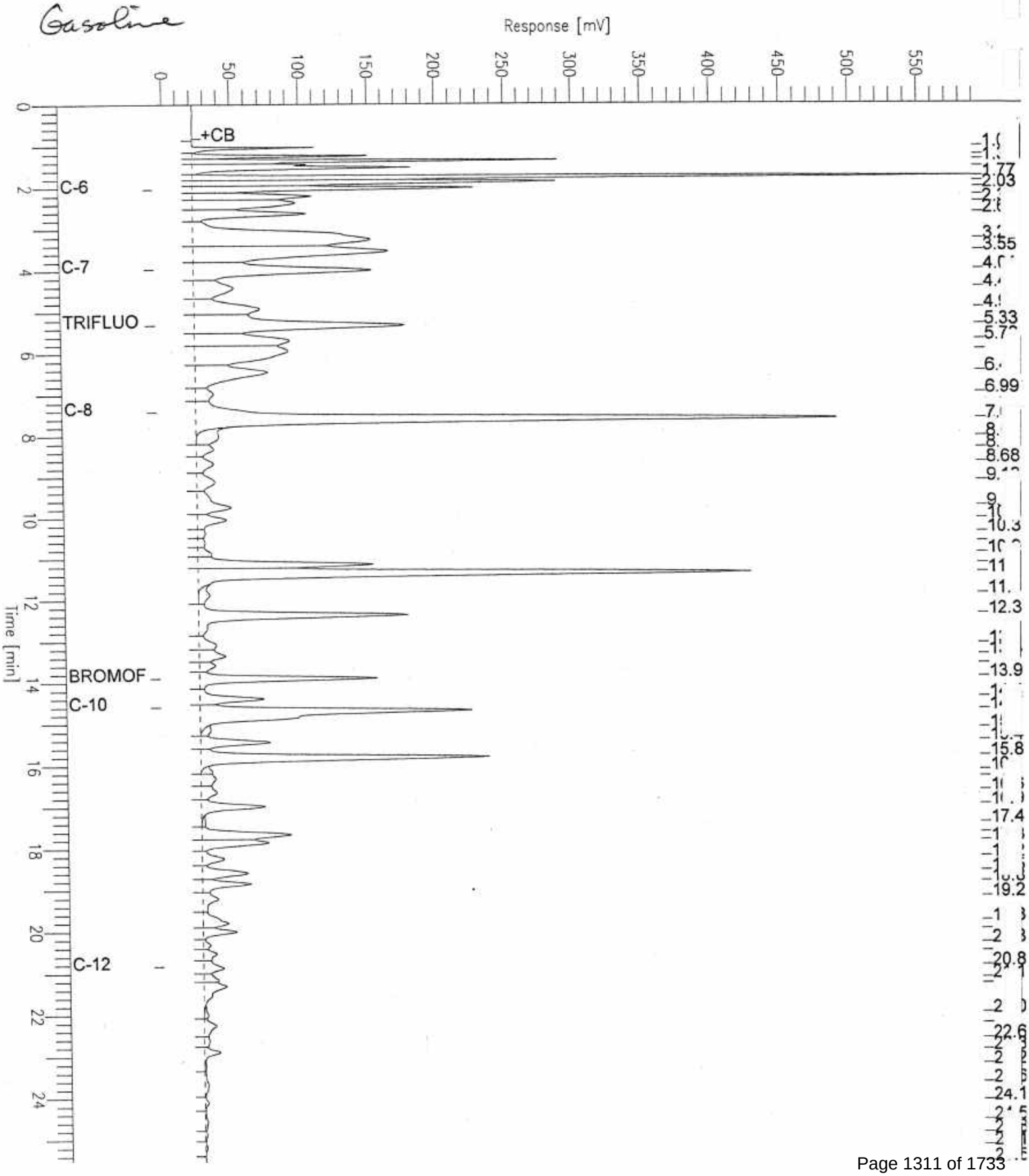


GC07 TVH 'A' Data File RTX 502

Sample Name : ccv/lcs,qc172026,70590,02ws0226,5/5000
FileName : G:\GC07\DATA\064A001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -7 mV

Sample #:
Date : 3/5/02 02:57 PM
Time of Injection: 3/5/02 02:31 PM
Low Point : -6.56 mV High Point : 590.11 mV
Plot Scale: 596.7 mV

Gasoline



Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Field ID:	12' WELL	Batch#:	70462
Matrix:	Water	Sampled:	02/21/02
Units:	ug/L	Received:	02/22/02
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 03/01/02
Lab ID: 157159-008

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	7.0	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	102	80-115

Type: BLANK Analyzed: 02/28/02
Lab ID: QC171545

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	NA	
MTBE	ND	0.5
Isopropyl Ether (DIPE)	NA	
Ethyl tert-Butyl Ether (ETBE)	NA	
Methyl tert-Amyl Ether (TAME)	NA	

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	100	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	106	80-115

Type: BLANK Analyzed: 02/28/02
Lab ID: QC171546

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	105	80-115

A= Not Analyzed
D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70462
Units:	ug/L	Analyzed:	02/28/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171543

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	46.71	93	49-144

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

Type: BSD Lab ID: QC171544

Analyte	Spiked	Result	%REC	Limits	RPD	L
MTBE	50.00	54.19	108	49-144	15	2

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	97	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Field ID:	12' WELL	Batch#:	70514
Matrix:	Water	Sampled:	02/21/02
Units:	ug/L	Received:	02/22/02
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 03/04/02
Lab ID: 157159-008

Analyte	Result	RL
Benzene	19	0.50
Toluene	54	0.50
Ethylbenzene	13	0.50
m,p-Xylenes	39	0.50
o-Xylene	19	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	122	53-143
Bromofluorobenzene (PID)	115	52-142

Type: BLANK Analyzed: 03/03/02
Lab ID: QC171745

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	100	53-143
Bromofluorobenzene (PID)	96	52-142

D= Not Detected
RL= Reporting Limit
Page 1 of 1

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC172026	Batch#:	70590
Matrix:	Water	Analyzed:	03/05/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,096	105	79-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	68-145
Bromofluorobenzene (FID)	96	66-143

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC171747	Batch#:	70514
Matrix:	Water	Analyzed:	03/03/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	20.10	101	65-122
Toluene	20.00	20.45	102	67-121
Ethylbenzene	20.00	20.90	104	70-121
m,p-Xylenes	40.00	38.36	96	72-125
o-Xylene	20.00	20.19	101	73-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	53-143
Bromofluorobenzene (PID)	99	52-142

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	70590
MSS Lab ID:	157156-014	Sampled:	02/20/02
Matrix:	Water	Received:	02/21/02
Units:	ug/L	Analyzed:	03/05/02
Diln Fac:	1.000		

Type: MS Lab ID: QC172044

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<17.00	2,000	2,143	107	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	68-145
Bromofluorobenzene (FID)	101	66-143

Type: MSD Lab ID: QC172045

Analyte	Spiked	Result	%REC	Limits	RPD	Li
Gasoline C7-C12	2,000	2,159	108	67-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	68-145
Bromofluorobenzene (FID)	102	66-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70531
Units:	mg/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02
Diln Fac:	1.000		

Field ID:	NW-1	Lab ID:	157159-001
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	58-144
Bromofluorobenzene (FID)	107	60-146

Field ID:	NW-2	Lab ID:	157159-002
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Gasoline C7-C12	1.6 H Y	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	58-144
Bromofluorobenzene (FID)	108	60-146

Field ID:	SW-1	Lab ID:	157159-003
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Gasoline C7-C12	1.8 Z	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	58-144
Bromofluorobenzene (FID)	107	60-146

Field ID:	SW-2	Lab ID:	157159-004
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	58-144
Bromofluorobenzene (FID)	111	60-146

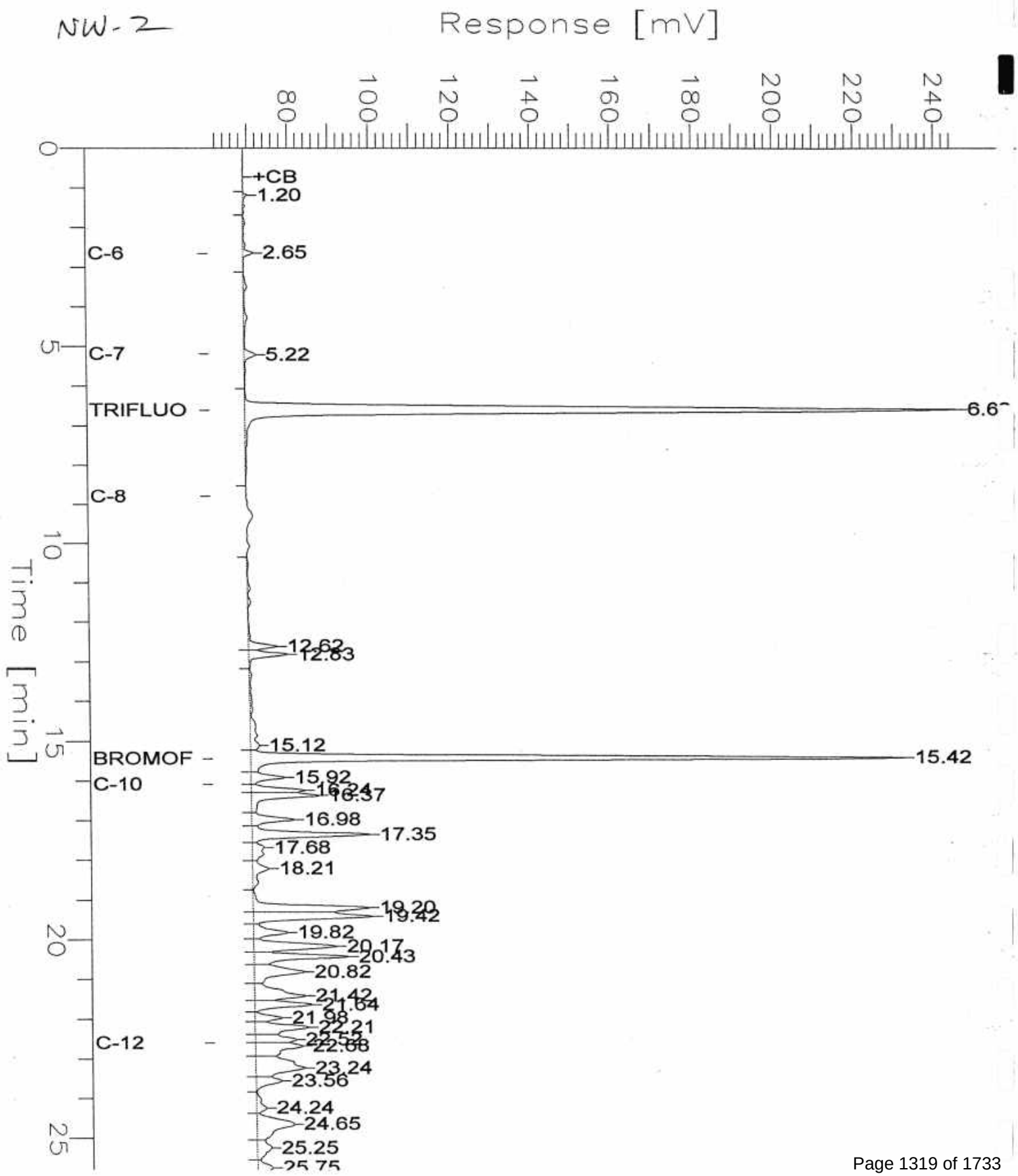
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 157159-002,70531
FileName : G:\GC04\DATA\063J009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 60 mV

Sample #: A Page 1 of 1
Date : 3/4/02 08:00 PM
Time of Injection: 3/4/02 07:33 PM
Low Point : 60.14 mV High Point : 245.66 mV
Plot Scale: 185.5 mV

NW-2

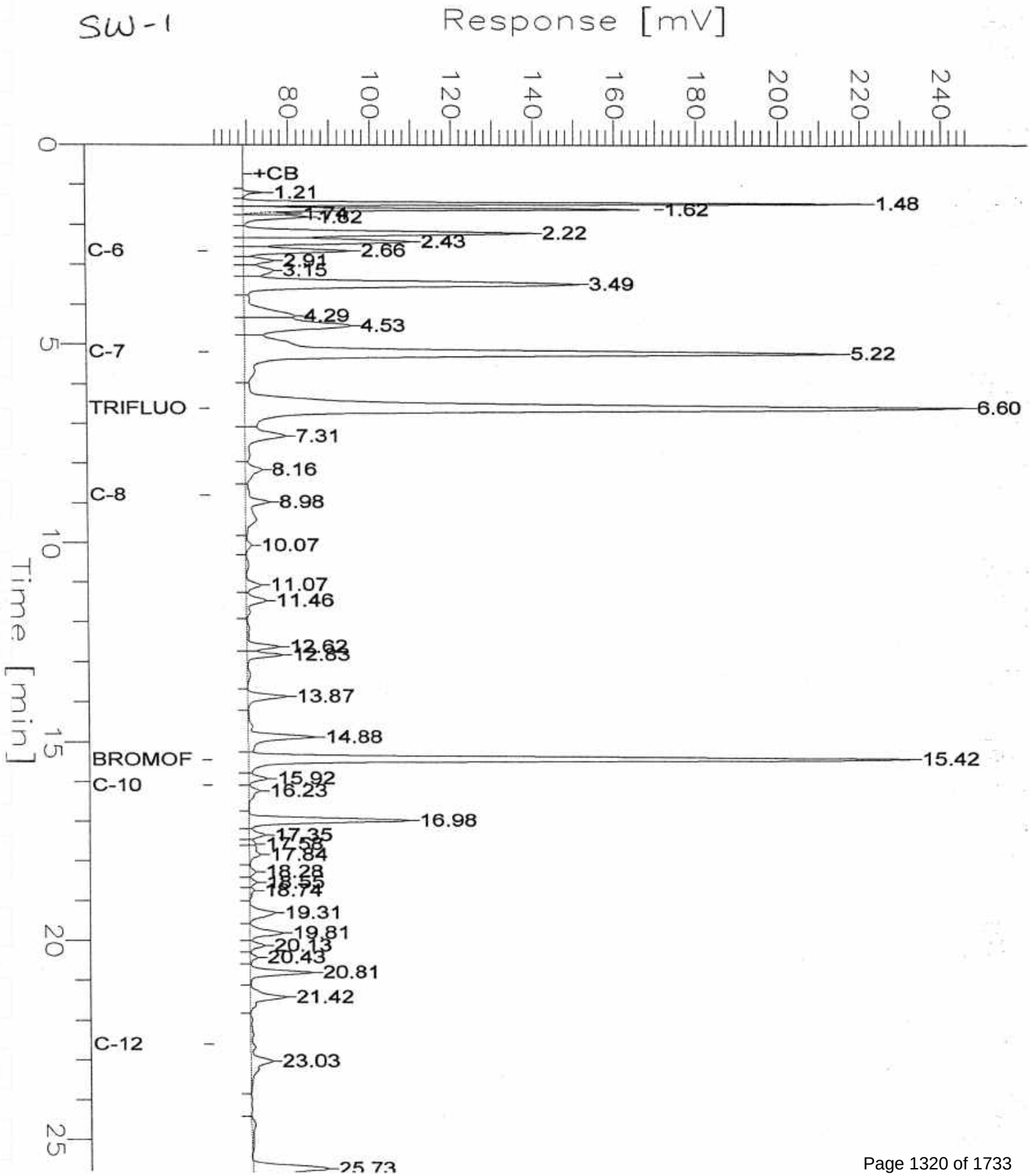


GC04 TVH 'J' Data File FID

Sample Name : 157159-003,70531
leName : G:\GC04\DATA\063J010.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 60 mV

Sample #: A
Date : 3/4/02 08:35 PM
Time of Injection: 3/4/02 08:09 PM
Low Point : 60.19 mV High Point : 246.12 mV
Plot Scale: 185.9 mV

SW-1



Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70531
Units:	mg/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02
Diln Fac:	1.000		

Field ID: EW-1 Lab ID: 157159-005
Type: SAMPLE Sampled: 02/20/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	58-144
Bromofluorobenzene (FID)	103	60-146

Field ID: EW-2 Lab ID: 157159-006
Type: SAMPLE Sampled: 02/21/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	58-144
Bromofluorobenzene (FID)	104	60-146

Field ID: WW-1 Lab ID: 157159-007
Type: SAMPLE Sampled: 02/20/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	58-144
Bromofluorobenzene (FID)	108	60-146

Type: BLANK Lab ID: QC171800

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	58-144
Bromofluorobenzene (FID)	103	60-146

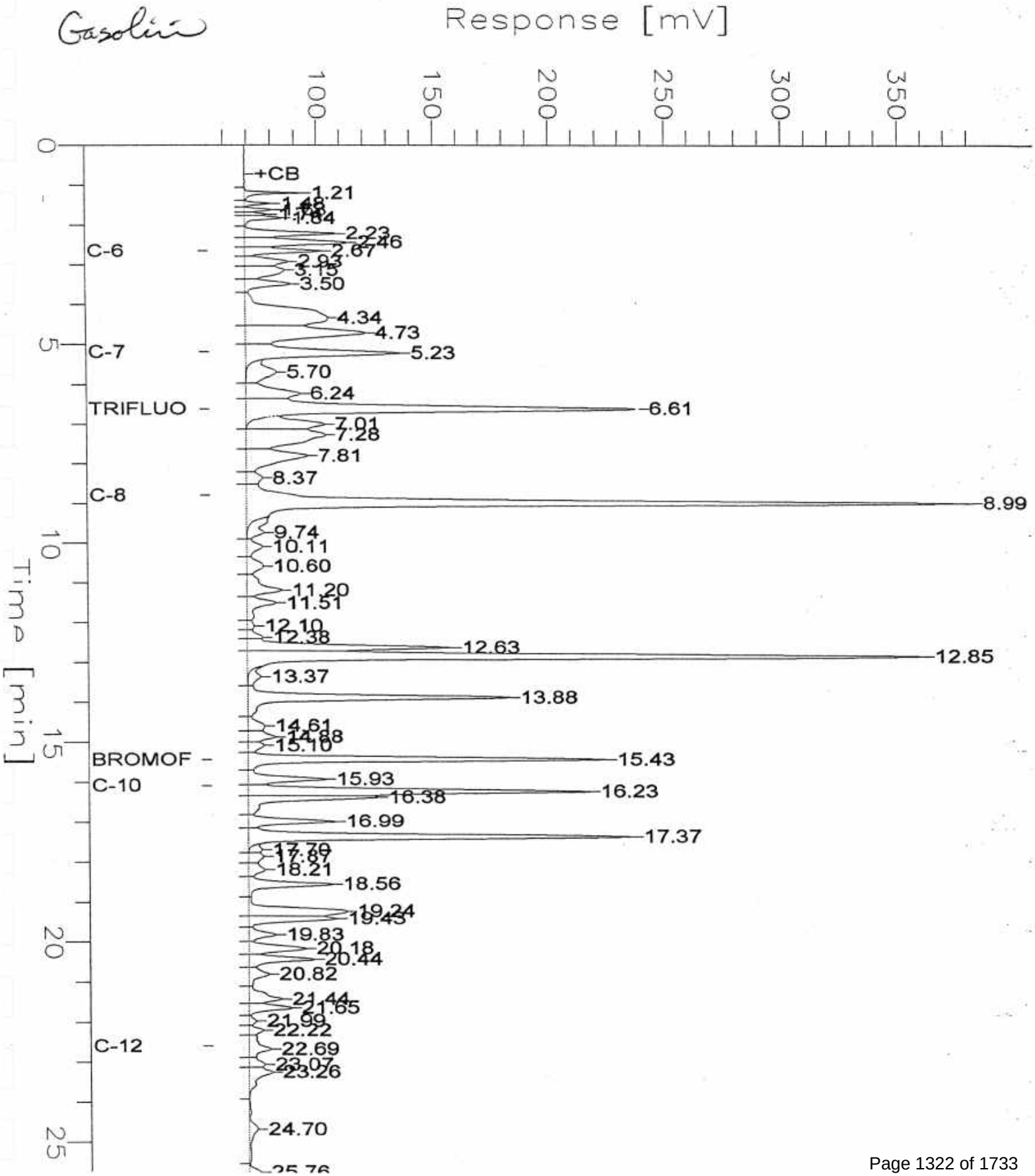
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

ple Name : CCV/LCS,QC171801,70531,02WS0226,5/5000
eName : G:\GC04\DATA\063J005.raw
hod : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 54 mV

Sample #: Page 1 of 1
Date : 3/4/02 01:45 PM
Time of Injection: 3/4/02 01:06 PM
Low Point : 53.67 mV High Point : 381.61 mV
Plot Scale: 327.9 mV

Gasoline



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Matrix:	Soil	Batch#:	70531
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02
Diln Fac:	1.000		

Field ID: NW-1 Lab ID: 157159-001
Type: SAMPLE Sampled: 02/20/02

Analyte	Result	RL
Benzene	37	5.3
Toluene	ND	5.3
Ethylbenzene	13	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3

Surrogate	%REC	Limits
Trifluorotoluene (PID)	89	67-146
Bromofluorobenzene (PID)	92	60-137

Field ID: NW-2 Lab ID: 157159-002
Type: SAMPLE Sampled: 02/20/02

Analyte	Result	RL
Benzene	6.7	5.0
Toluene	ND	5.0
Ethylbenzene	16	5.0
m,p-Xylenes	20	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	67-146
Bromofluorobenzene (PID)	95	60-137

Field ID: SW-1 Lab ID: 157159-003
Type: SAMPLE Sampled: 02/20/02

Analyte	Result	RL
Benzene	330	4.8
Toluene	13	4.8
Ethylbenzene	17	4.8
m,p-Xylenes	16	4.8
o-Xylene	22	4.8

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	67-146
Bromofluorobenzene (PID)	96	60-137

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Matrix:	Soil	Batch#:	70531
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02
Dilu Fac:	1.000		

Field ID:	SW-2	Lab ID:	157159-004
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Benzene	ND	5.3
Toluene	ND	5.3
Ethylbenzene	ND	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	67-146
Bromofluorobenzene (PID)	99	60-137

Field ID:	EW-1	Lab ID:	157159-005
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	67-146
Bromofluorobenzene (PID)	95	60-137

Field ID:	EW-2	Lab ID:	157159-006
Type:	SAMPLE	Sampled:	02/21/02

Analyte	Result	RL
Benzene	ND	5.1
Toluene	ND	5.1
Ethylbenzene	ND	5.1
m,p-Xylenes	ND	5.1
o-Xylene	ND	5.1

Surrogate	%REC	Limits
Trifluorotoluene (PID)	92	67-146
Bromofluorobenzene (PID)	96	60-137

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Matrix:	Soil	Batch#:	70531
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02
Diln Fac:	1.000		

Field ID:	WW-1	Lab ID:	157159-007
Type:	SAMPLE	Sampled:	02/20/02

Analyte	Result	RL
Benzene	11	5.3
Toluene	ND	5.3
Ethylbenzene	ND	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	67-146
Bromofluorobenzene (PID)	95	60-137

Type:	BLANK	Lab ID:	QC171800

Analyte	Result	RL
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	85	67-146
Bromofluorobenzene (PID)	87	60-137

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
Type:	LCS	Basis:	as received
Lab ID:	QC171801	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70531
Units:	mg/Kg	Analyzed:	03/04/02

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.721	97	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	58-144
Bromofluorobenzene (FID)	103	60-146

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC171802	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70531
Units:	ug/Kg	Analyzed:	03/04/02

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	99.09	99	65-120
Toluene	100.0	106.0	106	69-120
Ethylbenzene	100.0	108.3	108	68-121
m,p-Xylenes	200.0	208.4	104	70-124
o-Xylene	100.0	105.7	106	73-121

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	67-146
Bromofluorobenzene (PID)	92	60-137

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

ıb #:	157159	Location:	Anthony Auto Wreckers
.ient:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	8015B(M)
⁻ield ID:	ZZZZZZZZZZ	Diln Fac:	1.000
SS Lab ID:	157249-002	Batch#:	70531
atrix:	Soil	Sampled:	02/28/02
Units:	mg/Kg	Received:	03/01/02
asis:	as received	Analyzed:	03/05/02

pe: MS Lab ID: QC171803

Analyte	MSS Result	Spiked	Result	%REC	Limits
asoline C7-C12	41.20	9.091	17.75	-258 NM	44-133

Surrogate	%REC	Limits
'rifluorotoluene (FID)	120	58-144
ɜromofluorobenzene (FID)	103	60-146

ıype: MSD Lab ID: QC171804

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.434	16.34	-264 NM	44-133	9	31

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	58-144
Bromofluorobenzene (FID)	108	60-146

NM= Not Meaningful
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	02/22/02

Field ID:	NW-1	Batch#:	70549
Type:	SAMPLE	Sampled:	02/20/02
Lab ID:	157159-001	Analyzed:	03/04/02
Diln Fac:	0.9434		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	95	77-126

Field ID:	NW-2	Batch#:	70549
Type:	SAMPLE	Sampled:	02/20/02
Lab ID:	157159-002	Analyzed:	03/04/02
Diln Fac:	0.9804		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	110	63-133
1,2-Dichloroethane-d4	110	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	100	77-126

Field ID:	SW-1	Batch#:	70549
Type:	SAMPLE	Sampled:	02/20/02
Lab ID:	157159-003	Analyzed:	03/05/02
Diln Fac:	1.020		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.1
Isopropyl Ether (DIPE)	ND	5.1
Ethyl tert-Butyl Ether (ETBE)	ND	5.1
Methyl tert-Amyl Ether (TAME)	ND	5.1

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	104	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	98	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

ab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-01	Analysis:	EPA 8260B
atrix:	Soil	Basis:	as received
nits:	ug/Kg	Received:	02/22/02

eld ID:	SW-2	Batch#:	70584
pe:	SAMPLE	Sampled:	02/20/02
Lab ID:	157159-004	Analyzed:	03/05/02
ln Fac:	0.9804		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
sopropyl Ether (DIPE)	ND	4.9
thyl tert-Butyl Ether (ETBE)	ND	4.9
ethyl tert-Amyl Ether (TAME)	ND	4.9

Surrogate	%REC	Limits
ibromofluoromethane	94	63-133
,2-Dichloroethane-d4	98	75-128
Toluene-d8	98	80-111
Bromofluorobenzene	97	77-126

Field ID:	EW-1	Batch#:	70584
pe:	SAMPLE	Sampled:	02/20/02
b ID:	157159-005	Analyzed:	03/05/02
ln Fac:	1.000		

Analyte	Result	RL
ert-Butyl Alcohol (TBA)	ND	100
TBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	99	75-128
Toluene-d8	98	80-111
Bromofluorobenzene	97	77-126

ield ID:	EW-2	Batch#:	70584
ype:	SAMPLE	Sampled:	02/21/02
Lab ID:	157159-006	Analyzed:	03/05/02
iln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	101	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	98	77-126

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Matrix:	Soil	Basis:	as received
Units:	ug/Kg	Received:	02/22/02

Field ID:	WW-1	Batch#:	70584
Type:	SAMPLE	Sampled:	02/20/02
Lab ID:	157159-007	Analyzed:	03/05/02
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	101	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	96	77-126

Type:	BLANK	Batch#:	70549
Lab ID:	QC171866	Analyzed:	03/04/02
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	102	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	102	77-126

Type:	BLANK	Batch#:	70549
Lab ID:	QC171867	Analyzed:	03/04/02
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	99	63-133
1,2-Dichloroethane-d4	100	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	100	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

ab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
atrix:	Soil	Basis:	as received
nits:	ug/Kg	Received:	02/22/02

pe:	BLANK	Batch#:	70584
b ID:	QC172013	Analyzed:	03/05/02
Diln Fac:	1.000		

Analyte	Result	RL
ert-Butyl Alcohol (TBA)	ND	100
.TBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
thyl tert-Butyl Ether (ETBE)	ND	5.0
ethyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
ibromofluoromethane	90	63-133
,2-Dichloroethane-d4	94	75-128
oluene-d8	100	80-111
romofluorobenzene	99	77-126

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC171865	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70549
Units:	ug/Kg	Analyzed:	03/04/02

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	52.08	104	63-121

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	104	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	101	77-126

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
lient:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
ab ID:	QC172012	Diln Fac:	1.000
atrix:	Soil	Batch#:	70584
Units:	ug/Kg	Analyzed:	03/05/02

Analyte	Spiked	Result	%REC	Limits
..TBE	50.00	48.75	97	63-121

Surrogate	%REC	Limits
ibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	101	75-128
oluene-d8	99	80-111
romofluorobenzene	97	77-126

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Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9434
MSS Lab ID:	157166-017	Batch#:	70549
Matrix:	Soil	Sampled:	02/20/02
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/04/02

Type: MS Lab ID: QC171909

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	1.164	47.17	46.70	97	53-13

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	96	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	102	77-126

Type: MSD Lab ID: QC171910

Analyte	Spiked	Result	%REC	Limits	RPD	Li
MTBE	47.17	45.61	94	53-131	2	30

Surrogate	%REC	Limits
Dibromofluoromethane	99	63-133
1,2-Dichloroethane-d4	99	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	101	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157159	Location:	Anthony Auto Wreckers
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-01	Analysis:	EPA 8260B
Field ID:	EW-1	Diln Fac:	1.000
MSS Lab ID:	157159-005	Batch#:	70584
Matrix:	Soil	Sampled:	02/20/02
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/05/02

Type: MS Lab ID: QC172036

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1400	50.00	33.33	67	53-131

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	103	80-111
Bromofluorobenzene	91	77-126

Type: MSD Lab ID: QC172037

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	32.34	65	53-131	3	30

Surrogate	%REC	Limits
Dibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	92	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Geocon
2356 Research Dr.
Livermore, CA 94550

Date: 18-MAR-02
Lab Job Number: 157175
Project ID: E8022-06-03
Location: Anthony's Auto

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

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CA ELAP # 1459

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 157175

Project No: E8022-06-03
Project Name: Anthony Auto Wrecker
Project P.O.:
Turnaround Time: Standard

Sampler: Julio Esquivel
Report To: Matt Hanko
Company: Geocon Consultant 2356 Research Dr. Livermore CA 94550
Telephone: 1-530-371-5900
Fax:

Analyses

Laboratory Number	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO	Preservative: HNO_3	Preservative: ICE	Field Notes	TPHg/BTEX	FOC's
	600gl. tank	2/25-1100		X		4				X		X	X
	12" well	2/25-1405		X		4				X		X	X

For Laboratory Use

Notes:

RELINQUISHED BY:
2/25 1430 DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY:
2-25-02 1430 DATE/TIME
DATE/TIME
DATE/TIME

na

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Gasoline by GC/FID CA LUFT

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Water	Batch#:	70604
Units:	ug/L	Sampled:	02/25/02
Dil'n Fac:	1.000	Received:	02/25/02

Field ID:	600 GL. TANK	Lab ID:	157175-001
Type:	SAMPLE	Analyzed:	03/06/02

Analyte	Result	RL
Gasoline C7-C12	230	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	68-145
Bromofluorobenzene (FID)	125	66-143

Field ID:	12" WELL	Lab ID:	157175-002
Type:	SAMPLE	Analyzed:	03/06/02

Analyte	Result	RL
Gasoline C7-C12	570	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	68-145
Bromofluorobenzene (FID)	123	66-143

Type:	BLANK	Analyzed:	03/05/02
Lab ID:	QC172086		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	68-145
Bromofluorobenzene (FID)	92	66-143

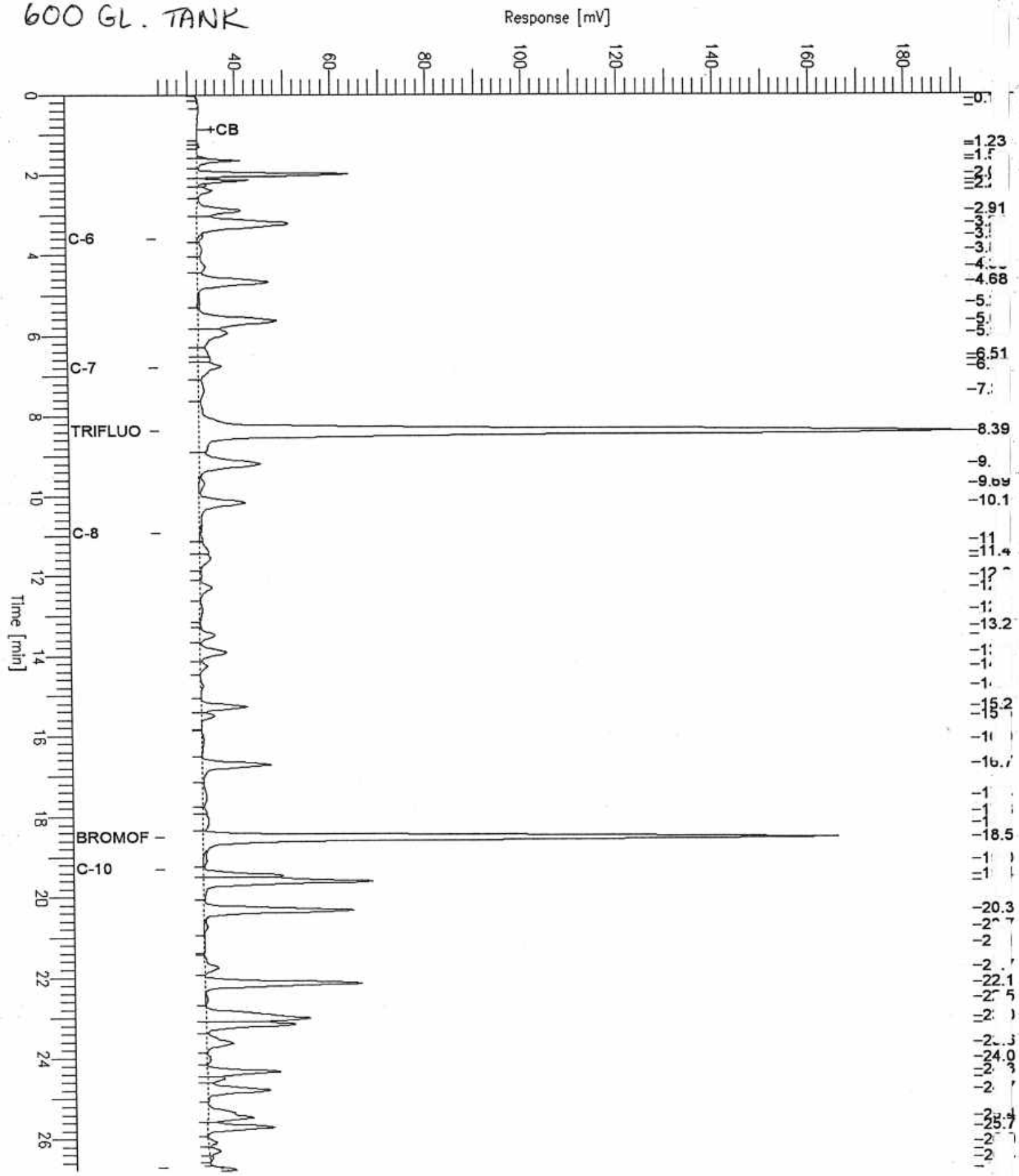
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 157175-001,70604
FileName : G:\GC19\DATA\064X030.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 23 mV

Sample #: c7 Page 1 of 1
Date : 3/6/02 12:09 PM
Time of Injection: 3/6/02 11:43 AM
Low Point : 23.22 mV High Point : 192.84 mV
Plot Scale: 169.6 mV

600 GL. TANK

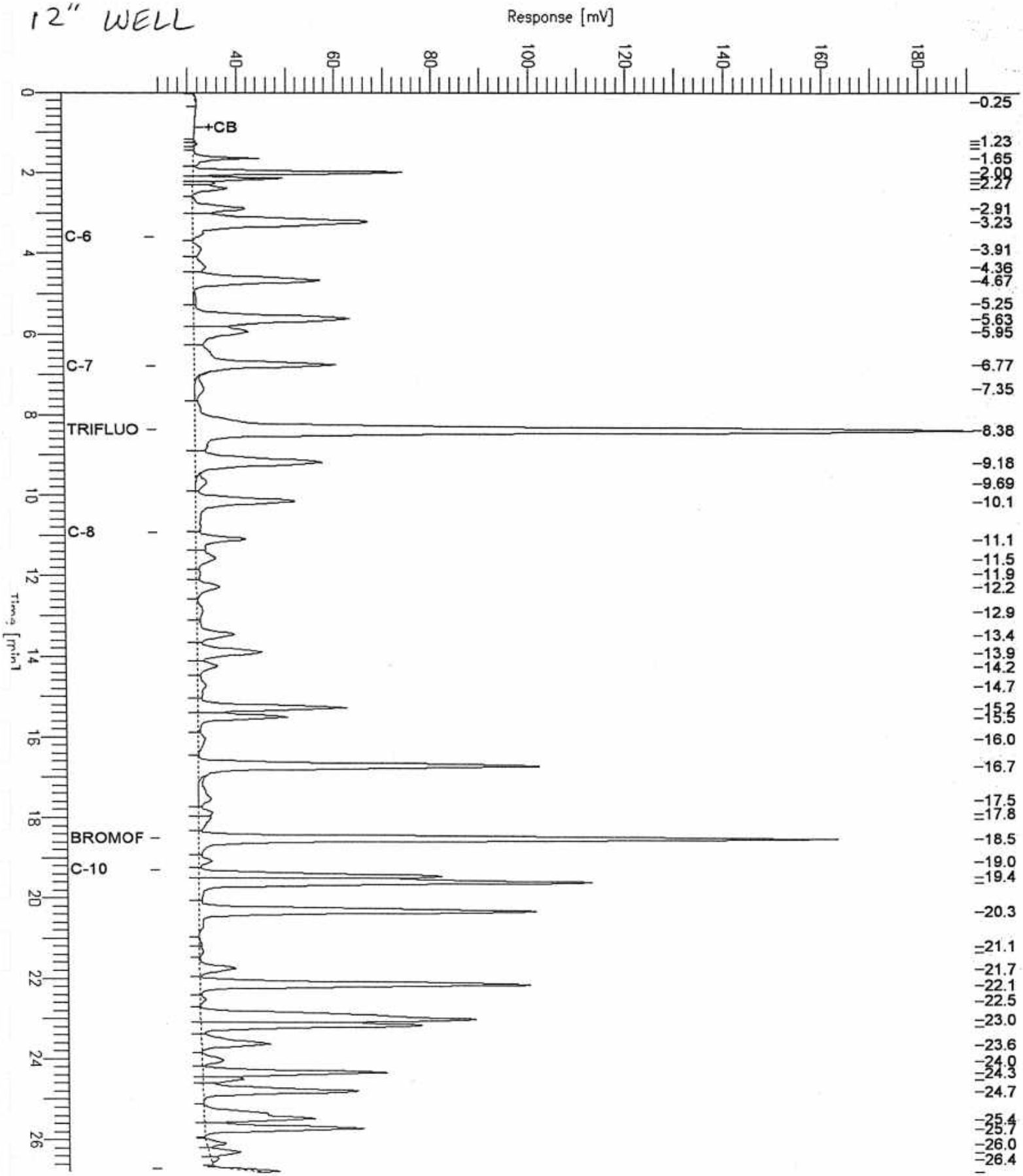


GC19 TVH 'X' Data File (FID)

mple Name : 157175-002,70604
FileName : G:\GC19\DATA\064X031.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.80 min
ale Factor: 1.0 Plot Offset: 23 mV

Sample #: c7 Page 1 of 1
Date : 3/6/02 12:53 PM
Time of Injection: 3/6/02 12:26 PM
Low Point : 22.94 mV High Point : 190.87 mV
Plot Scale: 167.9 mV

12" WELL

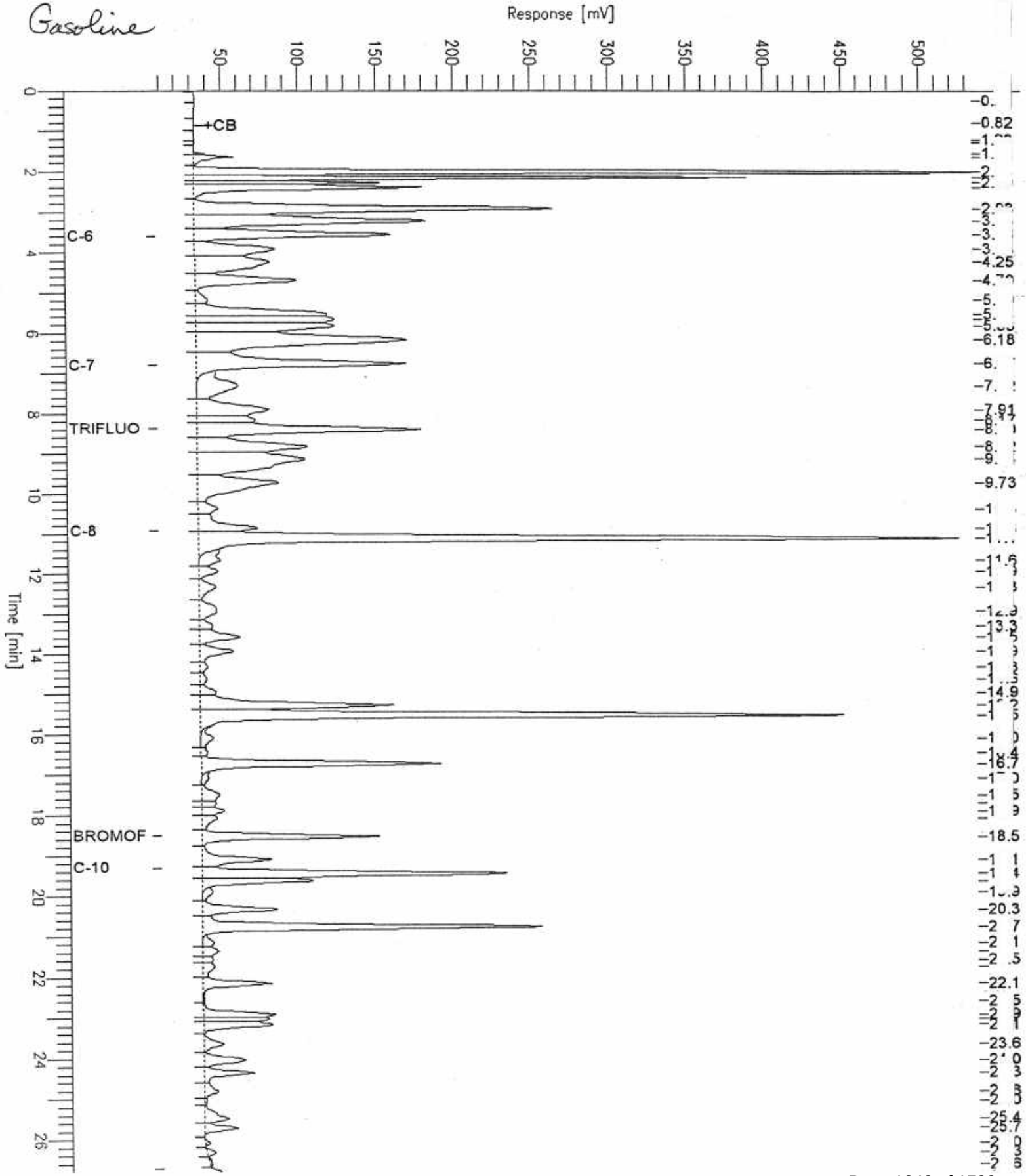


GC19 TVH 'X' Data File (FID)

Sample Name : CCV/LCS,QC172087,70604,02WS0226,5/5000
FileName : G:\GC19\DATA\064X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 8 mV

Sample #:
Date : 3/6/02 10:05 AM
Time of Injection: 3/5/02 12:32 PM
Low Point : 7.86 mV High Point : 534.55 mV
Plot Scale: 526.7 mV

Gasoline



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Benzene, Toluene, Ethylbenzene, Xylenes

ab #:	157175	Location:	Anthony's Auto
lient:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	70604
nits:	ug/L	Sampled:	02/25/02
iln Fac:	1.000	Received:	02/25/02

eld ID:	600 GL. TANK	Lab ID:	157175-001
pe:	SAMPLE	Analyzed:	03/06/02

Analyte	Result	RL
enzene	ND	0.50
oluene	ND	0.50
thylbenzene	3.5	0.50
m,p-Xylenes	0.95	0.50
o-Xylene	5.6	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	124	53-143
Bromofluorobenzene (PID)	123	52-142

Field ID:	12" WELL	Lab ID:	157175-002
ype:	SAMPLE	Analyzed:	03/06/02

Analyte	Result	RL
Benzene	6.9	0.50
Toluene	3.5	0.50
Ethylbenzene	10	0.50
m,p-Xylenes	5.5	0.50
o-Xylene	26	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	124	53-143
Bromofluorobenzene (PID)	121	52-142

ype:	BLANK	Analyzed:	03/05/02
ab ID:	QC172086		

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	98	53-143
Bromofluorobenzene (PID)	92	52-142

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC172087	Batch#:	70604
Matrix:	Water	Analyzed:	03/05/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,114	106	79-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	68-145
Bromofluorobenzene (FID)	108	66-143

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC172088	Batch#:	70604
Matrix:	Water	Analyzed:	03/05/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	18.62	93	65-122
Toluene	20.00	19.24	96	67-121
Ethylbenzene	20.00	20.19	101	70-121
m,p-Xylenes	40.00	37.70	94	72-125
o-Xylene	20.00	19.64	98	73-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	104	53-143
Bromofluorobenzene (PID)	96	52-142

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	70604
MSS Lab ID:	157225-002	Sampled:	02/27/02
Matrix:	Water	Received:	02/28/02
Units:	ug/L	Analyzed:	03/05/02
Diln Fac:	1.000		

Type: MS Lab ID: QC172089

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	47.89	2,000	2,120	104	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	68-145
Bromofluorobenzene (FID)	124	66-143

Type: MSD Lab ID: QC172090

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,098	102	67-120	1	2(

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	68-145
Bromofluorobenzene (FID)	121	66-143

RPD= Relative Percent Difference

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Gasoline Oxygenates by GC/MS

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70462
Units:	ug/L	Sampled:	02/25/02
Diln Fac:	1.000	Received:	02/25/02

Field ID:	600 GL. TANK	Lab ID:	157175-001
Type:	SAMPLE	Analyzed:	03/01/02

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	14	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	96	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	104	80-115

Field ID:	12" WELL	Lab ID:	157175-002
Type:	SAMPLE	Analyzed:	03/01/02

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	28	20
MTBE	33	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	94	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	100	80-115

NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit
Page 1 of 2

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70462
Units:	ug/L	Sampled:	02/25/02
Diln Fac:	1.000	Received:	02/25/02

Type: BLANK Analyzed: 02/28/02
Lab ID: QC171545

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	NA	
MTBE	ND	0.5
Isopropyl Ether (DIPE)	NA	
Ethyl tert-Butyl Ether (ETBE)	NA	
Methyl tert-Amyl Ether (TAME)	NA	

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	100	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	106	80-115

Type: BLANK Analyzed: 02/28/02
Lab ID: QC171546

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	105	80-115

NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157175	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70462
Units:	ug/L	Analyzed:	02/28/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171543

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	46.71	93	49-144

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

Type: BSD Lab ID: QC171544

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	54.19	108	49-144	15	21

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	97	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

A N A L Y T I C A L R E P O R T

Prepared for:

Geocon
2356 Research Dr.
Livermore, CA 94550

Date: 17-APR-02
Lab Job Number: 157872
Project ID: E8022-06-03
Location: Anthony's Auto

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

CA ELAP # 1459

157872

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☒ N☐ 4. SEALED Y☒ N☐
2. HEADSPACE (VOA) Y☒ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☒ 6. PRESERVED Y☐ N☒

Client: Geocon Consultants, Inc
Attn: Matt Hanko
Address: 2356 Research Dr.
City Livermore State CA Zip Code 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

Project Name: Anthony Auto Wrecker Project #: E8022-06-03 Sampler: (Printed Name) Leanne Roberts (Signature)

Relinquished by: (Signature and Printed Name) Leanne Roberts Date: 4/2/02 Time: 5:30 Received by: (Signature and Printed Name) GSO Date: 4/2/02 Time: 5:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Troy Windsor Date: 4-3-02 Time: 0900
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Hanko / Print Name Date
Signature

Send Report To:
Attn: Geocon Consultants
Co: Matt Hanko
Address 2356 Research Dr
City Livermore State CA Zip 94550

Bill To:
Attn:
Co: same
Address
City State Zip

Special Instructions/Comments:
*if MTBE detected please confirm with 8260.
MTBE* per Matt

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); Fuel Oxygenate 4/10/02

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Metals-Total	8015M TPHG/BTEX	8015M TPH/D	Fuel Oxygenate	SOIL	WATER	Container(s) #	Type	PRESERVATION	REMARKS
1		SB11-21	3/29					X		X		X		1	TM	C	
2		SB11-23	3/29					X		X		X		1	TM	C	
3		SB13-22	3/29					X		X		X		1	TM	C	
4		SB13-23.5	3/29					X		X		X		1	TM	C	
5		SB11-W	3/29					X		X			X	4	VG	C	
6		SB12-W	3/29					X		X			X	4	VG	C	
7		SB13-W	3/29					X		X			X	4	VG	C	one vial w/ cracked cap
8		12-inch well	3/29					X		X			X	4	VG	C	

• TAT starts 8 a.m. following day if amp ive p.m

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Z-(AC)- O=NaOH T=$Na_2S_2O_3$

Container Types: T: V L P: J=J =Te G=G P= M al

Yellow to folder, Pink to submitter.

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/04/02
Batch#:	71316		

Field ID: SB11-W Lab ID: 157872-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	120	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	68-145
Bromofluorobenzene (FID)	109	66-143

Field ID: SB12-W Lab ID: 157872-006
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	68-145
Bromofluorobenzene (FID)	111	66-143

Field ID: SB13-W Lab ID: 157872-007
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	68-145
Bromofluorobenzene (FID)	111	66-143

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/04/02
Batch#:	71316		

Field ID: 12-INCH WELL Lab ID: 157872-008
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	68-145
Bromofluorobenzene (FID)	117	66-143

Type: BLANK Lab ID: QC174763

Analyte	Result	RL
Gasoline C7-C12	ND	50

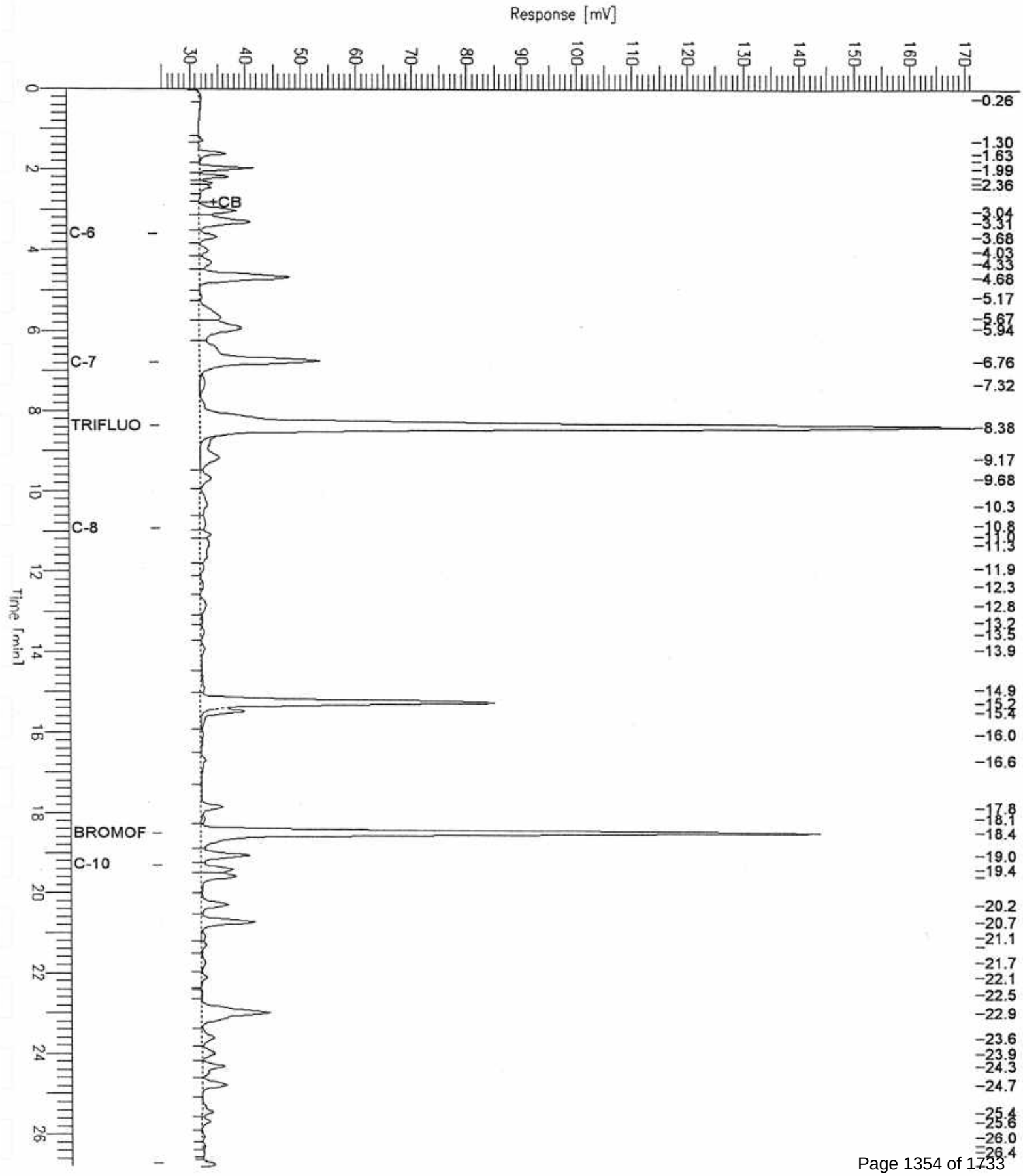
Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	68-145
Bromofluorobenzene (FID)	103	66-143

ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 157872-005,71316
ileName : G:\GC19\DATA\093X029.raw
thod : TVHBTXE
tart Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 24 mV

Sample #: A7
Date : 4/4/02 07:51 AM
Time of Injection: 4/4/02 06:06 AM
Low Point : 24.04 mV High Point : 171.37 mV
Plot Scale: 147.3 mV

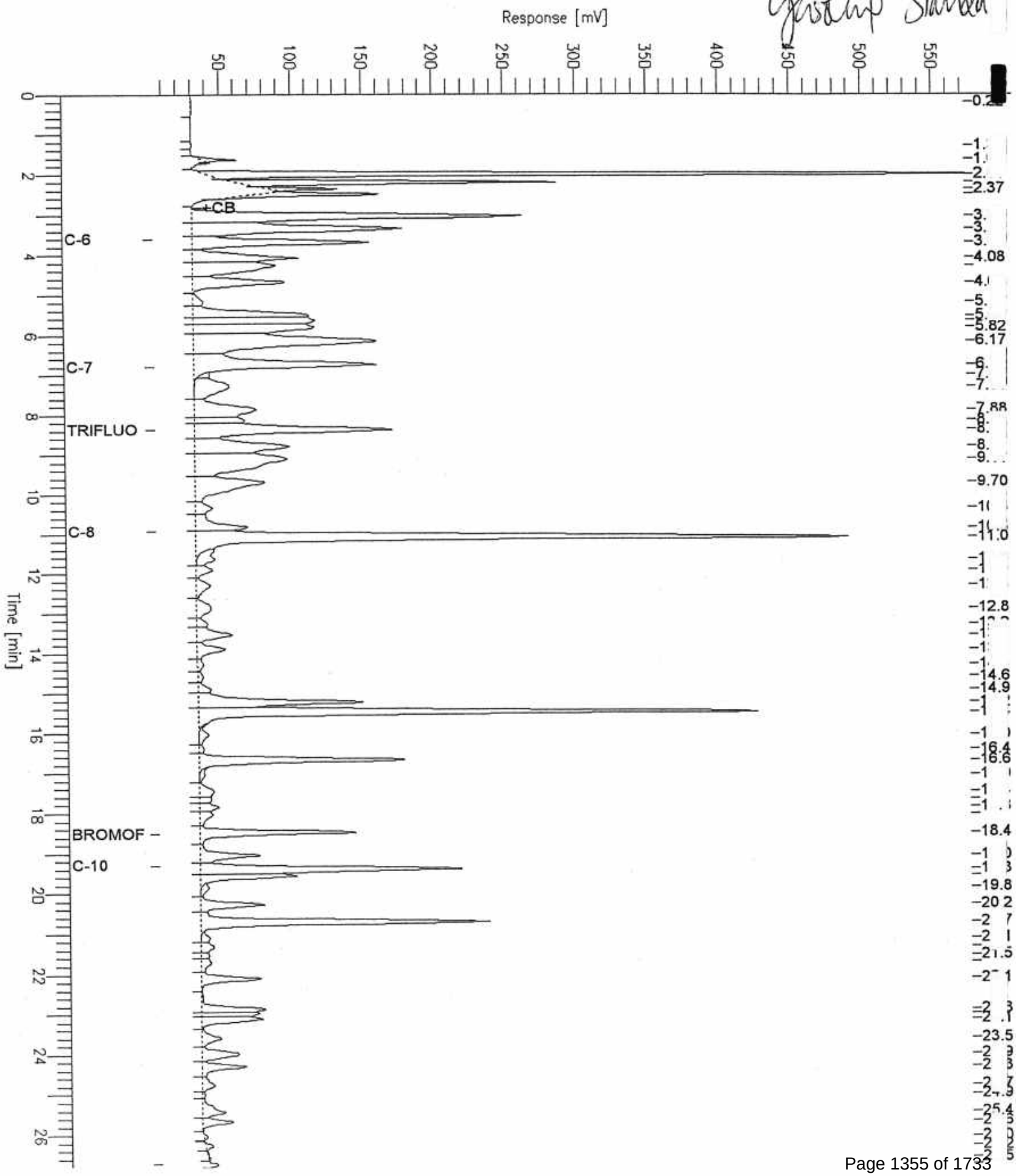


GC19 TVH 'X' Data File (FID)

Sample Name : CCV/LCS,QC174764,71316,02WS0489,5/5000
FileName : G:\GC19\DATA\093X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 3 mV

Sample #:
Date : 4/3/02 09:22 AM
Time of Injection: 4/3/02 08:55 AM
Low Point : 3.35 mV High Point : 572.79 mV
Plot Scale: 569.4 mV

Gasoline Standard



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Dilu Fac:	1.000	Analyzed:	04/04/02
Batch#:	71342		

Field ID: SB11-W Lab ID: 157872-005
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	2.0
Benzene	7.7	0.50
Toluene	ND	0.50
Ethylbenzene	20	0.50
m,p-Xylenes	1.1	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	125	53-143
Bromofluorobenzene (PID)	123	52-142

Field ID: SB12-W Lab ID: 157872-006
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	121	53-143
Bromofluorobenzene (PID)	119	52-142

Field ID: SB13-W Lab ID: 157872-007
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	121	53-143
Bromofluorobenzene (PID)	118	52-142

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/04/02
Batch#:	71342		

Field ID: 12-INCH WELL Lab ID: 157872-008
Type: SAMPLE

Analyte	Result	RL
MTBE	2.5	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	123	53-143
Bromofluorobenzene (PID)	124	52-142

Type: BLANK Lab ID: QC174863

Analyte	Result	RL
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	117	53-143
Bromofluorobenzene (PID)	114	52-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC174764	Batch#:	71316
Matrix:	Water	Analyzed:	04/03/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10,000	9,735	97	79-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	68-145
Bromofluorobenzene (FID)	104	66-143

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC174865	Batch#:	71342
Matrix:	Water	Analyzed:	04/04/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	19.47	97	59-135
Benzene	20.00	21.54	108	65-122
Toluene	20.00	21.50	107	67-121
Ethylbenzene	20.00	21.37	107	70-121
m,p-Xylenes	40.00	43.90	110	72-125
o-Xylene	20.00	22.14	111	73-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	117	53-143
Bromofluorobenzene (PID)	116	52-142

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	71316
MSS Lab ID:	157839-001	Sampled:	04/01/02
Matrix:	Water	Received:	04/01/02
Units:	ug/L	Analyzed:	04/03/02
Diln Fac:	1.000		

Type: MS Lab ID: QC174804

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	30.25	2,000	2,094	103	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	68-145
Bromofluorobenzene (FID)	122	66-143

Type: MSD Lab ID: QC174805

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,094	103	67-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	137	68-145
Bromofluorobenzene (FID)	123	66-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Field ID:	ZZZZZZZZZZ	Batch#:	71342
MSS Lab ID:	157869-009	Sampled:	03/28/02
Matrix:	Water	Received:	04/02/02
Units:	ug/L	Analyzed:	04/04/02
Diln Fac:	1.000		

Type: MS Lab ID: QC174963

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.2800	20.00	20.92	105	56-146
Benzene	0.4801	20.00	22.51	110	52-149
Toluene	<0.2300	20.00	21.88	109	69-130
Ethylbenzene	<0.2400	20.00	23.16	116	70-131
m,p-Xylenes	<0.4400	40.00	43.27	108	68-137
o-Xylene	<0.2600	20.00	22.55	113	73-133

Surrogate	%REC	Limits
Trifluorotoluene (PID)	123	53-143
Bromofluorobenzene (PID)	122	52-142

Type: MSD Lab ID: QC174964

Analyte	Spiked	Result	%REC	Limits	RPD	L
MTBE	20.00	21.43	107	56-146	2	30
Benzene	20.00	22.80	112	52-149	1	3
Toluene	20.00	21.87	109	69-130	0	3
Ethylbenzene	20.00	22.74	114	70-131	2	30
m,p-Xylenes	40.00	44.03	110	68-137	2	3
o-Xylene	20.00	22.90	115	73-133	2	3

Surrogate	%REC	Limits
Trifluorotoluene (PID)	124	53-143
Bromofluorobenzene (PID)	125	52-142

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC174978	Batch#:	71371
Matrix:	Water	Analyzed:	04/04/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	45.07	90	54-131

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-121
1,2-Dichloroethane-d4	107	77-130
Toluene-d8	102	80-120
Bromofluorobenzene	93	80-120

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	71371
MSS Lab ID:	157897-001	Sampled:	04/02/02
Matrix:	Water	Received:	04/03/02
Units:	ug/L	Analyzed:	04/05/02
Diln Fac:	1.000		

Type: MS Lab ID: QC174979

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1100	50.00	51.72	103	55-1

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	112	77-130
Toluene-d8	106	80-120
Bromofluorobenzene	103	80-120

Type: MSD Lab ID: QC174980

Analyte	Spiked	Result	%REC	Limits	RPD	L
MTBE	50.00	55.98	112	55-132	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	101	77-130
Toluene-d8	96	80-120
Bromofluorobenzene	105	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	71420
Units:	mg/Kg	Sampled:	03/29/02
Basis:	as received	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/06/02

Field ID: SB11-21 Lab ID: 157872-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	58-144
Bromofluorobenzene (FID)	108	60-146

Field ID: SB11-23 Lab ID: 157872-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	58-144
Bromofluorobenzene (FID)	111	60-146

Field ID: SB13-22 Lab ID: 157872-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	58-144
Bromofluorobenzene (FID)	104	60-146

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	71420
Units:	mg/Kg	Sampled:	03/29/02
Basis:	as received	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/06/02

Field ID: SB13-23.5 Lab ID: 157872-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	58-144
Bromofluorobenzene (FID)	133	60-146

Type: BLANK Lab ID: QC175139

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	58-144
Bromofluorobenzene (FID)	97	60-146

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

ab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-03	Analysis:	EPA 8021B
atrix:	Soil	Batch#:	71420
nits:	ug/Kg	Sampled:	03/29/02
Basis:	as received	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/06/02

Field ID: SB11-21 Lab ID: 157872-001
pe: SAMPLE

Analyte	Result	RL
MTBE	ND	20
Benzene	46	5.1
oluene	ND	5.1
thylbenzene	39	5.1
m,p-Xylenes	6.5	5.1
o-Xylene	ND	5.1

Surrogate	%REC	Limits
rifluorotoluene (PID)	108	67-146
Bromofluorobenzene (PID)	115	60-137

ield ID: SB11-23 Lab ID: 157872-002
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	20
Benzene	ND	4.9
Toluene	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	67-146
Bromofluorobenzene (PID)	112	60-137

ield ID: SB13-22 Lab ID: 157872-003
ype: SAMPLE

Analyte	Result	RL
MTBE	ND	21
Benzene	ND	5.2
Toluene	ND	5.2
Ethylbenzene	ND	5.2
m,p-Xylenes	ND	5.2
o-Xylene	ND	5.2

Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	67-146
Bromofluorobenzene (PID)	115	60-137

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Matrix:	Soil	Batch#:	71420
Units:	ug/Kg	Sampled:	03/29/02
Basis:	as received	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/06/02

Field ID: SB13-23.5 Lab ID: 157872-004
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	21
Benzene	ND	5.2
Toluene	ND	5.2
Ethylbenzene	ND	5.2
m,p-Xylenes	ND	5.2
o-Xylene	ND	5.2

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	67-146
Bromofluorobenzene (PID)	112	60-137

Type: BLANK Lab ID: QC175139

Analyte	Result	RL
MTBE	ND	20
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

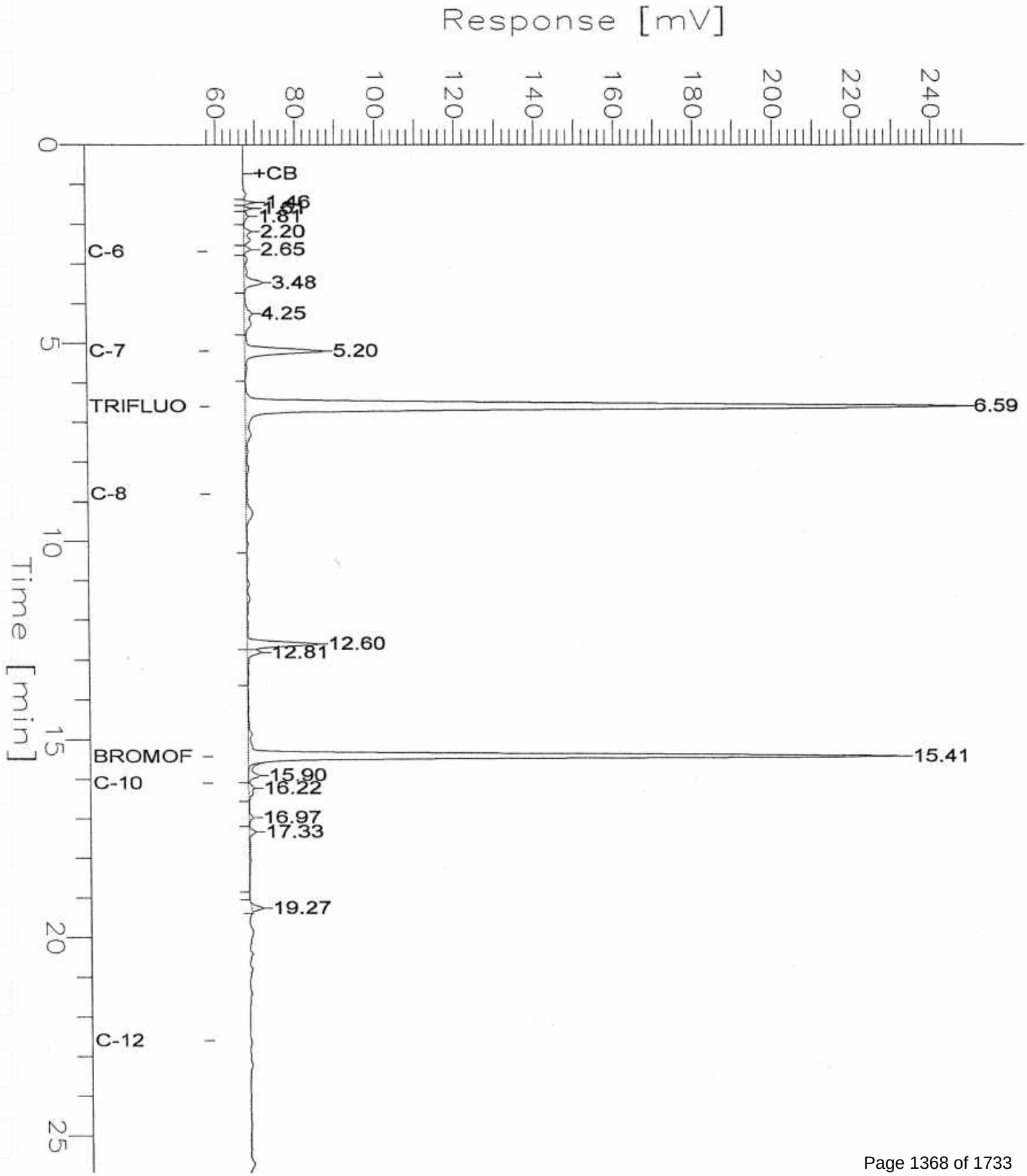
Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	67-146
Bromofluorobenzene (PID)	110	60-137

ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

mple Name : mss,157872-001,71420
leName : g:\gc04\data\096j006.raw
thod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 58 mV

Sample #: a
Date : 4/8/02 01:21 PM
Time of Injection: 4/6/02 03:56 PM
Low Point : 57.97 mV High Point : 248.07 mV
Plot Scale: 190.1 mV

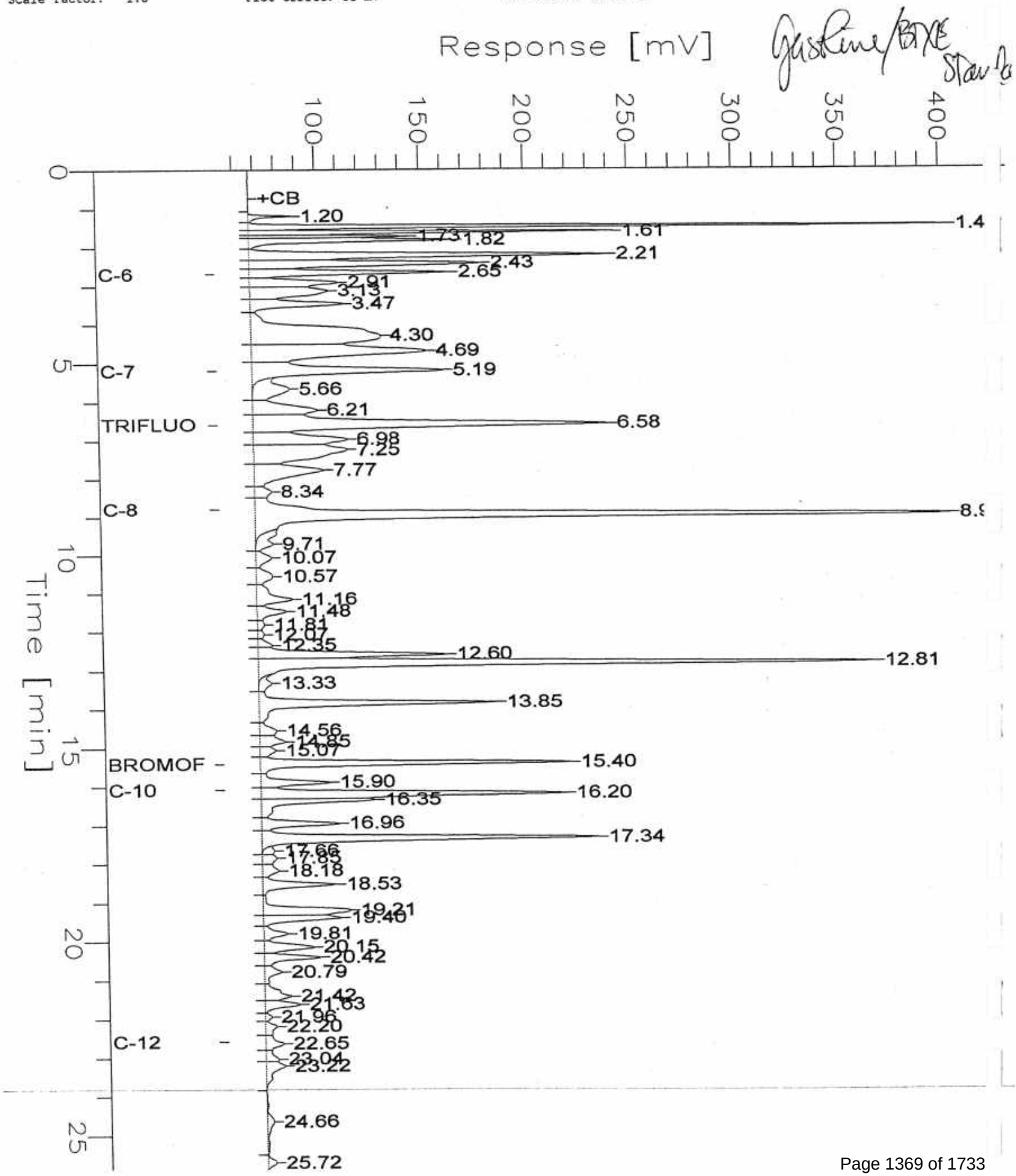


GC04 TVH 'J' Data File FID

Sample Name : CCV/LCS,QC175140,71420,01WS2371,5/5000
FileName : g:\gc04\data\096j003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 51 mV

Sample #:
Date : 4/8/02 01:21 PM
Time of Injection: 4/6/02 01:36 PM
Low Point : 50.94 mV High Point : 403.53 mV
Plot Scale: 352.6 mV

Page 1 of 1



Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Type:	LCS	Basis:	as received
Lab ID:	QC175140	Diln Fac:	1.000
Matrix:	Soil	Batch#:	71420
Units:	mg/Kg	Analyzed:	04/06/02

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.866	99	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	58-144
Bromofluorobenzene (FID)	99	60-146

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC175141	Diln Fac:	1.000
Matrix:	Soil	Batch#:	71420
Units:	ug/Kg	Analyzed:	04/06/02

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	105.9	106	72-126
Benzene	100.0	111.5	112	65-120
Toluene	100.0	108.8	109	69-120
Ethylbenzene	100.0	109.3	109	68-121
m,p-Xylenes	200.0	205.2	103	70-124
o-Xylene	100.0	107.6	108	73-121

Surrogate	%REC	Limits
Trifluorotoluene (PID)	104	67-146
Bromofluorobenzene (PID)	111	60-137

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	8015B(M)
Field ID:	SB11-21	Diln Fac:	1.000
MSS Lab ID:	157872-001	Batch#:	71420
Matrix:	Soil	Sampled:	03/29/02
Units:	mg/Kg	Received:	04/03/02
Basis:	as received	Analyzed:	04/06/02

Type: MS Lab ID: QC175152

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.2660	10.00	9.672	94	44-133

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	58-144
Bromofluorobenzene (FID)	108	60-146

Type: MSD Lab ID: QC175153

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.20	9.894	94	44-133	0	31

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	58-144
Bromofluorobenzene (FID)	109	60-146

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Field ID:	12-INCH WELL	Batch#:	71371
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/04/02

Type: SAMPLE Lab ID: 157872-008

Analyte	Result	RL
MTBE	2.2	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	83	80-121
1,2-Dichloroethane-d4	106	77-130
Toluene-d8	103	80-120
Bromofluorobenzene	110	80-120

Type: BLANK Lab ID: QC174977

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	102	77-130
Toluene-d8	96	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
RL= Reporting Limit
Page 1 of 1

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/10/02
Batch#:	71536		

Field ID: SB11-W Lab ID: 157872-005
Type: SAMPLE

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-121
1,2-Dichloroethane-d4	96	77-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-120

Field ID: SB12-W Lab ID: 157872-006
Type: SAMPLE

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	97	77-130
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-120

Field ID: SB13-W Lab ID: 157872-007
Type: SAMPLE

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	1.5	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	95	77-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-120

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/29/02
Units:	ug/L	Received:	04/03/02
Diln Fac:	1.000	Analyzed:	04/10/02
Batch#:	71536		

Field ID: 12-INCH WELL Lab ID: 157872-008
Type: SAMPLE

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	2.2	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-121
1,2-Dichloroethane-d4	96	77-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-120

Type: BLANK Lab ID: QC175594

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	20
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-121
1,2-Dichloroethane-d4	92	77-130
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC175593	Batch#:	71536
Matrix:	Water	Analyzed:	04/10/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	44.72	89	49-144

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-121
1,2-Dichloroethane-d4	89	77-130
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-120

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	71536
MSS Lab ID:	157974-001	Sampled:	04/05/02
Matrix:	Water	Received:	04/08/02
Units:	ug/L	Analyzed:	04/10/02
Diln Fac:	1.000		

Type: MS Lab ID: QC175595

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.2200	50.00	42.98	86	49-14

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	96	77-130
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-120

Type: MSD Lab ID: QC175596

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	44.74	89	49-144	4	2

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-121
1,2-Dichloroethane-d4	95	77-130
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

ab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-03	Analysis:	EPA 8260B
atrix:	Soil	Sampled:	03/29/02
nits:	ug/Kg	Received:	04/03/02
Basis:	as received	Analyzed:	04/11/02
Batch#:	71545		

Field ID:	SB11-21	Lab ID:	157872-001
pe:	SAMPLE	Diln Fac:	0.9615

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
sopropyl Ether (DIPE)	ND	4.8
thyl tert-Butyl Ether (ETBE)	ND	4.8
lethyl tert-Amyl Ether (TAME)	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
,2-Dichloroethane-d4	107	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	103	77-126

Field ID:	SB11-23	Lab ID:	157872-002
pe:	SAMPLE	Diln Fac:	1.020

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.1
Isopropyl Ether (DIPE)	ND	5.1
Ethyl tert-Butyl Ether (ETBE)	ND	5.1
Methyl tert-Amyl Ether (TAME)	ND	5.1

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	106	75-128
Toluene-d8	98	80-111
Bromofluorobenzene	102	77-126

Field ID:	SB13-22	Lab ID:	157872-003
ype:	SAMPLE	Diln Fac:	1.064

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	110
MTBE	ND	5.3
Isopropyl Ether (DIPE)	ND	5.3
Ethyl tert-Butyl Ether (ETBE)	ND	5.3
Methyl tert-Amyl Ether (TAME)	ND	5.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	63-133
1,2-Dichloroethane-d4	107	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	103	77-126

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/29/02
Units:	ug/Kg	Received:	04/03/02
Basis:	as received	Analyzed:	04/11/02
Batch#:	71545		

Field ID:	SB13-23.5	Lab ID:	157872-004
Type:	SAMPLE	Diln Fac:	1.000

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	100	77-126

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC175623		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	101	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

ab #:	157872	Location:	Anthony's Auto
lient:	Geocon	Prep:	EPA 5030B
roject#:	E8022-06-03	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
ab ID:	QC175622	Diln Fac:	1.000
atrix:	Soil	Batch#:	71545
Units:	ug/Kg	Analyzed:	04/11/02

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	51.16	102	63-121

Surrogate	%REC	Limits
ibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	107	75-128
'oluene-d8	101	80-111
ıromofluorobenzene	101	77-126

Curtis & Tompkins, Ltd.

Gasoline Oxygenates by GC/MS

Lab #:	157872	Location:	Anthony's Auto
Client:	Geocon	Prep:	EPA 5030B
Project#:	E8022-06-03	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9804
MSS Lab ID:	158009-001	Batch#:	71545
Matrix:	Soil	Sampled:	04/10/02
Units:	ug/Kg	Received:	04/10/02
Basis:	as received	Analyzed:	04/11/02

Type: MS Lab ID: QC175668

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1400	49.02	43.52	89	53-13

Surrogate	%REC	Limits
Dibromofluoromethane	105	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	104	77-126

Type: MSD Lab ID: QC175669

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	49.02	44.98	92	53-131	3	30

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	109	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	103	77-126

RPD= Relative Percent Difference

APPENDIX E

☐ Keller Canyon Sanitary Landfill	☐ Ox Mountain Sanitary Landfill	☐ Newby Island Sanitary Landfill	☐ Forward Landfill
901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183	1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers

MAILING ADDRESS: 5 Salmon Lane

CITY, STATE, ZIP: Pinole, CA 94564

PHONE: (510) 424-8160

CONTACT PERSON: Arjev Anthony

SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2/21/02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.

SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #56 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment

ADDRESS: 66 Broadway Avenue

CITY, STATE, ZIP: Sacramento, CA 95818

PHONE:

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Robert Vela | DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
NCONRAD	1952-1983

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122806

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load F58 EB022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
JCOUCAd	CS1908

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122808

☐ Keller Canyon Sanitary Landfill	☐ Ox Mountain Sanitary Landfill	☐ Newby Island Sanitary Landfill	☐ Forward Landfill
901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183	1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #48 · E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 65 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Robert Hale
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
N CONRAD	1952-1983

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE

CUBIC YARDS: 20-CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122798

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner 2
DATE: 2-2-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #49 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-2-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
JCONRAD	CS 1908

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122799

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: Arley Anthony owner
DATE: 2-8-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Lead ESO F8022-06-02

RECEIVING FACILITY:

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: O Conrad
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
O Conrad	CS 1974

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT:
DATE:

CUBIC YARDS: 20.07

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122800

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole,CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #51 E8022-06.02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento,CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Rich
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
RKOH14	RK4

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122801

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] 2-21-02
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 550 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #52 E8022-0607

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 68 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * R. Wendowski
DATE:

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5E09036	RD-1

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS
FACILITY TICKET NUMBER
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 cy

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST #122802

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony Owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #53 F8022.06.02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Charlie Jones
DATE: 2/22

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6H94247	KD13

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122803

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #54 E6022-06C2

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5557965	KD10

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20-CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122804

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Local F28 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 56 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Tony Moreno
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5557965	KD10

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20-24

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 17178

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Samson Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arlen Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWAC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #37 ER022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-20-02

NOTES:
VEHICLE LICENSE NUMBER: 5209436
TRUCK NUMBER: RD-1

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE

CUBIC YARDS: 20-CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122777

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arlev Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] 2-21-02
DATE:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☐ HARD HAT
- ☐ TY-VEK
- ☐ OTHER

SPECIAL HANDLING PROCEDURES: Lock E35 EF022 06-07

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5E07036	KD-1

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122785

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave PINOLE

WASTE ACCEPTANCE NO.: SWEC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #25 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Robert Oak
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
W. Conrad	1952-1983

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20.00

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 132775

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2-2-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #26 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2/22/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6H94247	KD-13

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # [illegible]

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
Anthony Auto Wreckers

MAILING ADDRESS
5 Salmon Lane

CITY, STATE, ZIP
Pinole CA 94564

PHONE
(510) 424-8160

CONTACT PERSON
Arlev Anthony

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE
* [signature] 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
Load #21 E8022-0002

RECEIVING FACILITY

TRANSPORTER
Northern Truck & Equipment

ADDRESS
66 Broadway Avenue

CITY, STATE, ZIP
Sacramento, CA 95818

PHONE

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
O Conrad	CS 1974

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY MANIFEST # [illegible]

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-22-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load P/B E4022-06:02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
JCONFAD	CS1908

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 yds

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122774

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arlen Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-2-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #29 F8L22 06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Rick Kohr
DATE: 2-2-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
RK0HF4	RK4

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20-CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122770

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Adey Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2-5-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #59 E8022-06-02

RECEIVING FACILITY:

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Rich | DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
RK0hr4	RK4

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * | DATE:

CUBIC YARDS: 20.67

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST #

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-22-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
Lead HST E6022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
[illegible]	CS 1974

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☑

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122807

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 3 Stanton Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * Arley Anthony owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #21 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Jim P Matthews
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
Tecupad	CS1908

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:
FACILITY TICKET NUMBER:
SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122781

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] | DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWFC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
Lead H30 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 56 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] | DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
D Conrad	CS 1974

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122780

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-22-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWIC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load # 33 E8022-0602

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2/22/02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6H94247	KD-13

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20 CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122783

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-21-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load # 34 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
5557965	KD10

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20.07

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122784

☒ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole, CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [signature] owner
DATE: 2-22-02

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.: SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Load #55 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento, CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 2-22-02

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
2634 [illegible]	51

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20-CY

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122805

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Anthony Auto Wreckers
MAILING ADDRESS: 5 Salmon Lane
CITY, STATE, ZIP: Pinole CA 94564
PHONE: (510) 424-8160
CONTACT PERSON: Arley Anthony
SIGNATURE OF AUTHORIZED AGENT / TITLE: * [illegible] owner
DATE: 2-24-03

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 850 San Pablo Ave. PINOLE

WASTE ACCEPTANCE NO.
SWHC 04129

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES: Local #32 E8022-06-02

RECEIVING FACILITY

TRANSPORTER: Northern Truck & Equipment
ADDRESS: 66 Broadway Avenue
CITY, STATE, ZIP: Sacramento CA 95818
PHONE:
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Robert Vela
DATE: 2-22-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
N CONRAD	1953-1983

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☒

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS: 20-25

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 122782

California Regional Water Quality Control Board
San Francisco Bay Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov
1515 Clay Street, Suite 1400, Oakland, California 94612
Phone (510) 622-2300 FAX (510) 622-2460

Gray Davis
Governor

June 25, 2002
File No: 07-0570 (SR)

Anthony Auto Wreckers
Attn: Mr. Arley Anthony
850 San Pablo Avenue
Pinole, CA 94565

Subject: **Case Closure – 850 San Pablo Avenue, Pinole, Contra Costa County**

Dear Mr. Anthony :

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based upon the available information, including the land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Titles 23, California Water Code of Regulations, Division 3, Chapter 16, Section 2721(e). If change in land use is proposed, the owner must promptly notify this agency.

Please contact our office, if you have any questions regarding this matter.

Sincerely,

for Loretta K. Barsamian
Executive Officer

CC:

Mr. Paul Andrews
CCCHSD
4333 Pacheco Boulevard
Martinez, CA 94553

Mr. Marcus Tartt
City of Pinole
2131 Pear Street
Pinole, California 94564

Mr. Andy Lojo
LFR Levine Fricke
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827

Mr. Matthew Hanko
Geocon Consultants, Inc.
2356 Research Drive
Livermore, CA 94550-3848

Mr. Sunil Ramdass
UST Cleanup Fund

Site Summary Form

25-Jun-02

Site: ANTHONY AUTO WRECKER
850 SAN PABLO AVE, PINOLE, CA

RB File No.: 07-0570 SR Yes **County:** 07

Nearest Surface Water: San Pablo Bay .5 miles **Pit Samples Submitted?:** No **Highest GW Depth:** 9

Potential Ecological Risk: Low to none **No. Borings:** 12 **Lowest GW Depth:** 26

Distance to Wells: none <.5 **Affected?:** No **No. Wells:** 0 **Direction of GW Flow:** N

Human Health Risk: none **Ground Elev:**

Staff Notes: On 2/21/97, a 13267 letter was sent requesting an initial groundwater investigation to determine whether the groundwater has been impacted by the petroleum release. In addition, the request also included documentation on the nearest wells and creeks. I was contacted by the reponsible party when he received the letter by telephone and he agreed to do the work. Since the source soils have been removed and treated, we agreed that one monitoring well downgradient or a hydropunch would be adequate. If the groundwater is clean and the receptors documented, site closure would be appropriate. The workplan is due 5/21/97. Sent approval of workplan 8/10/00, response due 10/29/00; Request for add'l info sent 12/6/00, due 1/16/01. Workplan approval sent 3/27/01, report due 6/27/01. The UST component of this site (which is this case number) can be closed as remedial action has been implemented and post-remedial confirmation sampling indicated low levels of hydrocarbons in soil and grab GW at the site.

Geology: Silty Clay to sandy silt; Highly fractured siltstone.

Comments: Two-1,000 gal. USTs removed 1/30/92. Soil samples from 8' bgs at time of tank removal contained 2,200 ppm TPHg. 75 cubic yards of soil over excavated from UST pit to a depth of 14' bgs in 4/92. Soil samples taken did not contain detectable concentrations of petroleum hydrocarbons. Case closed by county. Board request MtBE info 5/00. Single soil boring advanced 10/5/00 in location of former USTs. Grab water samples contained up to 2,200 ppb benzene, 3,700 ppb toulene, 1,000 ppb ethelbenzene, 4,400 ppb xylene, and 200 ppb MtBE. Subsurface investigation in July 2001 indicated hydrocarbon presence in SB-4, located immediately south of the former USTs. Based on this round of data collected, proposal by RP, consultant and the prospective buyer (City of Pinole) was to implement a remedial action plan consisting of soil excavation, ORC addition and purging of groundwater using a temporary well casing in the UST pit. Remedial action plan approved by RWQCB. Remedial action implemented in Feb 2002 and consisted of excavating soil to about 30 ft (1,000 cu yds), purge about 6K gals of GW and addition of 500 lbs of ORCs. Sidewall samples and post remedial samples indicate low levels of hydrocarbons. Data collected pre and post remediation indicates clean-up to the extent possible. Very low residuals (excavation south sidewall sample at 25' - 330 ppb benzene in soil, close to the office bldg on site). Downgradient boring SB-11 - 7.7 ppb benzene and 2.2 ppb MtBE in GW and 46 ppb benzene in soil in this boring at 21 ft bgs. Lateral and vertical extent defined and remediated. Site is a low-risk case and closure can be granted. Note: Closure granted for UST component only. There is a SLIC component for the site (07S0139) - motor oil and lead-impacted soil remediation pending.

Management Rqmts: GLD sent a case closure summary form to consultant on 6/12/97. Ground water not encountered even in third overexcavation

to 14 ft. Initial concentrations of TPH and depth to gw do not require ground water testing. Site already closed by county. Only low concentrations of residuals left in soil and GW. ORCs added to GW will further remediate GW and hence, RWQCB grants case closure for this site's UST component. Existing 12-inch dia well in the former UST pit must be abandoned properly per CCCHSD guidelines and the 6,000-gallons of purge water on site must be disposed of after necessary testing is complete.

Reports: Site Closure Summary, Mtbe investigation workplan, limited groundwater investigation results (Geocon) 11/3/00. Site Investigation Workplan 1/01. Site investigation report (August 2002) by GeoCon. Site Remediation report (May 2002) by GeoCon.

Remedial Activity

	Action Taken	Amount
Free Product:		
Soil:	Over-excavated (twice) -off-site landfill disposal	75 + 1,000 cy
Ground Water:	Stored on site, pending disposal	6,000 gallons
Vapor:		0

Groundwater Results, ppb

DATE	LOCATION	TPH-G	TPH-D	BENZENE	TOLUENE	XYLENE	ETHYLBENZE	MTBE	HVOC	OTHERS	GW DEPTH
3/29/02	12" well	<50		<.5	<.5	<.5	<.5	2.2			
3/29/02	12" well							= 2.2			
2/18/02	GW-1	<50		<.50	<.5	<.5	<.5	<2.0			
1/30/02	SB10-W	<200		<.5	<.5	<.5	<.5	<.5			
3/29/02	SB11	= 120		= 7.7							
3/29/02	SB-11	120		7.7	<0.5	1.1	20	<0.5			
3/29/02	SB12	<50		<.5	<.5	<.5	<.5	<.5			
3/29/02	SB13	<50		<.5	<.5	<.5	<.5	1.5			
3/29/02	SB13							= 1.5			
10/5/00	SB1-W	37000		2200	3700	4400	1000	200			
10/5/00	SB1-W	= 37000		= 2200				= 200			
7/17/01	SB2-W	150		1.4	.74	<1.0	.89	<.5			
7/17/01	SB2-W	= 150		= 1.4							
7/17/01	SB3-W	<50		1.5	1.6	<1.0	<.5	6.7			
7/17/01	SB3-W			= 1.5				= 6.7			
7/17/01	SB4-W	35000		3100	3000	5210	1300	420			
7/17/01	SB4-W	= 35000		= 3100				= 420			
7/17/01	SB5-W	<50		<.5	<.5	<1.0	<.5	<.5			
7/17/01	SB6-W			= 0.88							
7/17/01	SB6-W	<50		.88	<.5	<1.0	<.5	<.5			

7/17/01	SB7-W	= 81									
7/17/01	SB7-W	81		<.5	.67	1.1	<.5	<.5			
7/18/01	SB8-W	= 91		= 0.67							
7/18/01	SB8-W	91		.67	13	2.0	.62	<.5			
7/18/01	SB9-W	= 120		= 20							
7/18/01	SB9-W	120		20	.52	1.1	<.5	<.5			

Soil Results, ppm

LOCATION	TPH-gas		TPH-diesel		Benzene		Toluene		Xylene		Ethyl-benzene		MtBE		Other	
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
Comp 1	= 45	= 45			= 0.065	= 0.065							< 0.1	< 0.1		
Comp 1 (2/02)	45				.065		.2		1.17		.24		<.1			
EW1@17' (2/02)		<1000				<5.0		<5.0		<5.0		<5.0		<5.0		
EW2@9' (2/02)		<1000				<5.1		<5.1		<5.1		<5.1		<5.0		
NW1@25' (2/02)		<1100				37		<5.3		<5.3		13		<4.7		
NW2@14'	= 1.6	= 1.6			= 0.0067	= 0.0067							< 0.0049	< 0.004		
NW2@14' (2/02)		1600				6.7		<5		20		16		<4.9		
SB10-10 (1/02)		<1000				<5		<5		<5		<5		<5		
SB10-15 (1/02)		<1000				<5.0		<5.0		<5.0		<5.0		<5.0		
SB11@21'		<1000				46		<5.1		6.5		39		<4.8		
SB11@23'		<980				<4.9		<4.9		<4.9		<4.9		<5.1		
SB13@22'		<1000				<5.2		<5.2		<5.2		<5.2		<5.3		
SB13@23.5'		<1000				<5.2		<5.2		<5.2		<5.2		<5.0		
SB2-20 (7/01)		<1000				20		<5		<5		29		<5		
SB3-20 (7/01)		<1000				<5		<5		<5		<5		5.2		
SB4-15	= 620	= 620			= 6.6	= 6.6							= 1.3	= 1.3		
SB4-15 (7/01)	620				6.6		36		73		14		1.3			
SB4-20	= 7.8	= 7.8			= 1.4	= 1.4							= 0.3	= 0.3		
SB4-20 (7/01)		7800				1400		86		1220		410		300		
SB5-20 (7/01)		<1000				<5		<5		<5		<5		<5		
SB6-10 (7/01)		<1000				<5		<5		<5		<5		<5		
SB6-15 (7/01)		<1000				<5		<5		<5		<5		<5		
SB7-20 (7/01)		<1000				<5		<5		<5		<5		<5		
SB8-20 (7/01)		<1000				<5		<5		<5		<5		<5		
SB9-20 (7/01)		<1000				<5		<5		<5		<5		<5		
SW1@25'	= 1.8	= 1.8			= 0.33	= 0.33							< 0.0051	< 0.005		
SW1@25' (2/02)		1800				330		13		38		17		<5.1		
SW2@9' (2/02)		<1100				<5.3		<5.3		<5.3		<5.3		<4.9		
WW1@24' (2/02)		<1100				11		<5.3		<5.3		<5.3		<5.0		

Tank Information

TANKNO	SIZE	CONTENTS	REMOVED	ACTION	DATE
1	1,000	gasoline	Yes	removed and disposed	1/30/92
2	1,000	gasoline	Yes	removed and disposed	1/30/92

California Regional Water Quality Control Board
San Francisco Bay Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov
1515 Clay Street, Suite 1400, Oakland, California, 94612
Phone (510) 622-2300 • FAX (510) 622-2460

Gray Davis
Governor

December 23, 2002
File No. 07S0139 (SR)

Mr. Arley Anthony
5 Salmon Lane
Pinole, CA 94565

Subject: No Further Action – Anthony Auto Wreckers Property, 850 San Pablo Avenue, Pinole, Contra Costa County

This letter confirms the completion of site investigation and remedial action for lead and petroleum-impacted soils at the subject site. Thank you for your cooperation throughout this investigation.

Based on previous investigations at the site, two areas were identified as containing lead-impacted soil at concentrations exceeding the commercial/industrial preliminary remediation goal of 750 mg/kg. These areas were located in the northern (lower) and central (upper) portions of the site, as shown in the attached site plan. A further area in the southern portion of the site was identified as containing TPH-affected soil at concentrations exceeding the Risk-Based Screening Levels (*Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater*, RWQCB, SF Bay Region, Interim Final, December 2001).

Remedial activities at the site included

1. Excavating about 2,800 tons of lead-affected soil from the lower and upper lead-impacted areas, stabilizing the soils and disposing off-site, and
2. Excavating about 742 tons of TPH-affected soil from the site and disposing at an off-site facility.

Analytical results of the confirmation sampling collected from the base and sidewalls of the excavations indicated that the remedial goals established for lead and fuel-affected soil has been successfully achieved, considering a commercial/industrial scenario.

Although soils at the site that were impacted with lead have been adequately remediated for a commercial/industrial use scenario, residual lead concentrations still remain in soil that exceed the acceptable standard adopted for a direct exposure pathway in an unrestricted/ residential land use scenario, which is set at 255 mg/kg (Table K-1, *Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater*, RWQCB, SF Bay Region, Interim Final, December 2001). The risk-based screening level for this pathway was adopted from the DTSC, 2001, *Interim Guidance for Evaluating Lead-Based Paint and Asbestos Containing Materials at Proposed School Sites*: California Environmental Protection Agency, DTSC, July 23, 2001 (http://www.dtsc.ca.gov/schools/schools.html).

Of particular concern is the area designated as "the lower lead area" in LFR-Levine-Fricke's *Soil Remediation Activities Report* of September 2002, where lead concentrations above 255 mg/kg were detected in three of the confirmation samples.

Therefore, to ensure that the residual risk is appropriately managed, a deed restriction has been recorded with the Contra Costa County stating that residual pollution remains in soil beneath the subject site, and in the event of construction or demolition, polluted materials should be disposed of appropriately. The restriction also states that the property use shall be limited to industrial, commercial or office space, and no hospitals, schools for persons under 21 years of age, day care centers for children or senior citizens, or residences for human habitation shall be permitted at the site.

Based on the reports and the details submitted to this office, it is our understanding that the City of Pinole Redevelopment Agency is in the process of purchasing the property to redevelop it for industrial and commercial use. During any site redevelopment, any soil that is excavated or disturbed must be properly managed, as per the guidelines indicated in the *Soil Management Plan,* dated October 3, 2002, and prepared for the site by LFR-Levine-Fricke. This is also one of the conditions laid out in the deed restriction.

A correspondence dated October 24, 2002, to our office by the project manager of the City of Pinole Redevelopment Agency (City) indicates a proposal to create a water retention basin in the southeast portion of the subject site. The City shall seek the approval of this office prior to proceeding with any such construction to ensure the proper management of any runoff from the lead-impacted surface soils at the site.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the pollutant release at the subject site is required.

If you have any questions regarding this matter, please contact Sampath Rangarajan of my staff at (510) 622-2381 [e-mail sr@rb2.swrcb.ca.gov].

Sincerely,

Stephen A. Hill
Chief, Toxics Cleanup Division

For Loretta K. Barsamian
Executive Officer

Attachment: Site Plan with Soil Boring Locations and Excavation Areas

Cc list: next page

Cc (without attachments):

Paul Andrews
CCCHSD
4333 Pacheco Boulevard
Martinez, CA 94553

Mr. Andy Lojo
LFR Levine Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608-1827

Cc (with attachments):

Mr. Marcus Tartt
City of Pinole
2131 Pear Street
Pinole, CA 94564

CASE CLOSURE SUMMARY

I. AGENCY INFORMATION

Date: June 13, 2017

Agency Name: SF Bay Regional Water Quality Control Board	Address: 1515 Clay Street, Suite 1400
City/State/Zip: Oakland, CA 94612	Phone: 510-622-2300
Responsible Staff Person: Martin Musonge	Title: Water Resource Control Engineer

II. SITE INFORMATION

Site Facility Name: Sugar City Building Materials Company		
Site Facility Address: 800 San Pablo Avenue, Pinole, CA 94564		
Regional Water Board Case No.: 07-0804	Local or LOP Case No.: N/A (Not Applicable)	Priority: N/A
URF Filing Date: Undocumented	SWEEPS No.: N/A	

Responsible Party:
Sugar City Building Materials Company
Attn.: Ms. Lois Rose
P.O. Box 69
Pinole, CA 94564
Tel: (510) 724-6065
Email: N/A

Tank No.	Size in Gallons	Contents	Closed In—Place/Removed?	Date
1	4,000	Gasoline	Removed	1/26/1999
2	12,000	Diesel fuel	Removed	1/26/1999

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Underground Storage Tank (UST) overfilling resulting in release to soil and groundwater		
Site characterization complete? Yes	Date Approved by Oversight Agency: 6/9/2017	
Monitoring wells installed? Yes	Number: 11	Proper screened interval? Yes
Highest Groundwater Depth Below Ground Surface: 2.28 feet	Lowest Depth: 10.70	Groundwater Flow Direction: West
Most Sensitive Current Groundwater Use: Potential Drinking Water		
Most Sensitive Potential Groundwater Use: Drinking Water Probability of Use: Undetermined		
Summary of water wells in vicinity: None		
Are drinking water wells affected? No	Aquifer Name: East Bay Plain	
Is surface water affected? No	Nearest surface water name: San Pablo Bay (1,140 feet north)	
Offsite Beneficial Use Impacts (Addresses/Locations): None observed		
Report(s) on file? Yes	Where is report(s) filed? Region 2 Water Board, Oakland – GeoTracker website: https://geotracker.waterboards.ca.gov/	

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tanks	2	Tanks disposed by Gilbert Construction, no disposal records exist	1/26/1999
Piping	N/A	Product piping disposed by Gilbert Construction, no disposal records exist	1/26/1999
Petroleum Free Product	N/A	No free product was observed in tank excavation	N/A
Soil	N/A	No record of soil removal exists	N/A
Groundwater	N/A	No record of groundwater exists, groundwater was not actively treated	N/A
Barrels	N/A	No barrels of hazardous materials related to this investigation were removed from the site	N/A

MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP

POLLUTANT	Soil (mg/kg)		Water (µg/l)		POLLUTANT	Soil (mg/kg		Water (µg/l)	
	Before	After	Before	After		Before	After	Before	After
Total Petroleum Hydrocarbons (TPH-gasoline)	N/A	79	42,000	350	Naphthalene	ND	5.8	NA	NA
TPH (diesel)	290	140	6,200	79	Methyl tert-butyl ether	ND	<0.2	<0.5	<2.5
Benzene	6.7	0.045	1,000	83	Xylenes	ND	10	10,000	8.8
Toluene	ND	3.6	420	0.6	Ethylbenzene	21	2.0	2,300	17

Comments (Depth of Remediation, etc.):

N/A = Not Applicable; NA = No Samples Analyzed
ND = Non-detectable

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site Management Requirements: Residual contamination in soil remains at the site that could pose an unacceptable risk under certain development activities such as site grading, excavation, or installation of water wells. Therefore, the impact of the disturbance of any residual contamination or the installation of a water well near the residual contamination shall be assessed and appropriate action taken so that there is no significant impact to human health, safety or the environment. This could necessitate additional sampling, health risk assessment, and mitigation measures. Alameda County Environmental Health Department, and the appropriate planning and building department shall be notified prior to any changes in land use, grading activities, excavation, and installation of water wells. This notification shall include a statement that residual contamination exists on the property and list all mitigation actions, if any, necessary to ensure compliance with this site management requirement. The concentrations of residual contamination and any associated site risks are expected to reduce with time.

Should corrective action be reviewed if land use changes: Yes

Monitoring Wells Decommissioned: Yes	Number Decommissioned: 11	Number Retained: 0
List Enforcement Actions Taken: None	List Enforcement Actions Rescinded: None	

V. ADDITIONAL COMMENTS, DATA, ETC.

This case does meet all the criteria of the State Water Resources Control Board *Low-Threat Underground Storage Tank Case Closure Policy*[1]. Regional Board staff determined the case meets the Site closure criteria of the 1996 Regional Water Board's Supplemental Instructions to the Interim Guidance on required Cleanup at Low Risk Fuel Sites[2]. According to this Interim Guidance, Water Board staff finds that:

1. The leak has been stopped and ongoing sources, including petroleum free product, removed or remediated.
2. Site characterization for soil and groundwater has been completed.
3. The dissolved hydrocarbon plume is not migrating.
4. No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.
5. The Site presents no significant threat to human health.
6. The Site presents no significant threat to the environment.

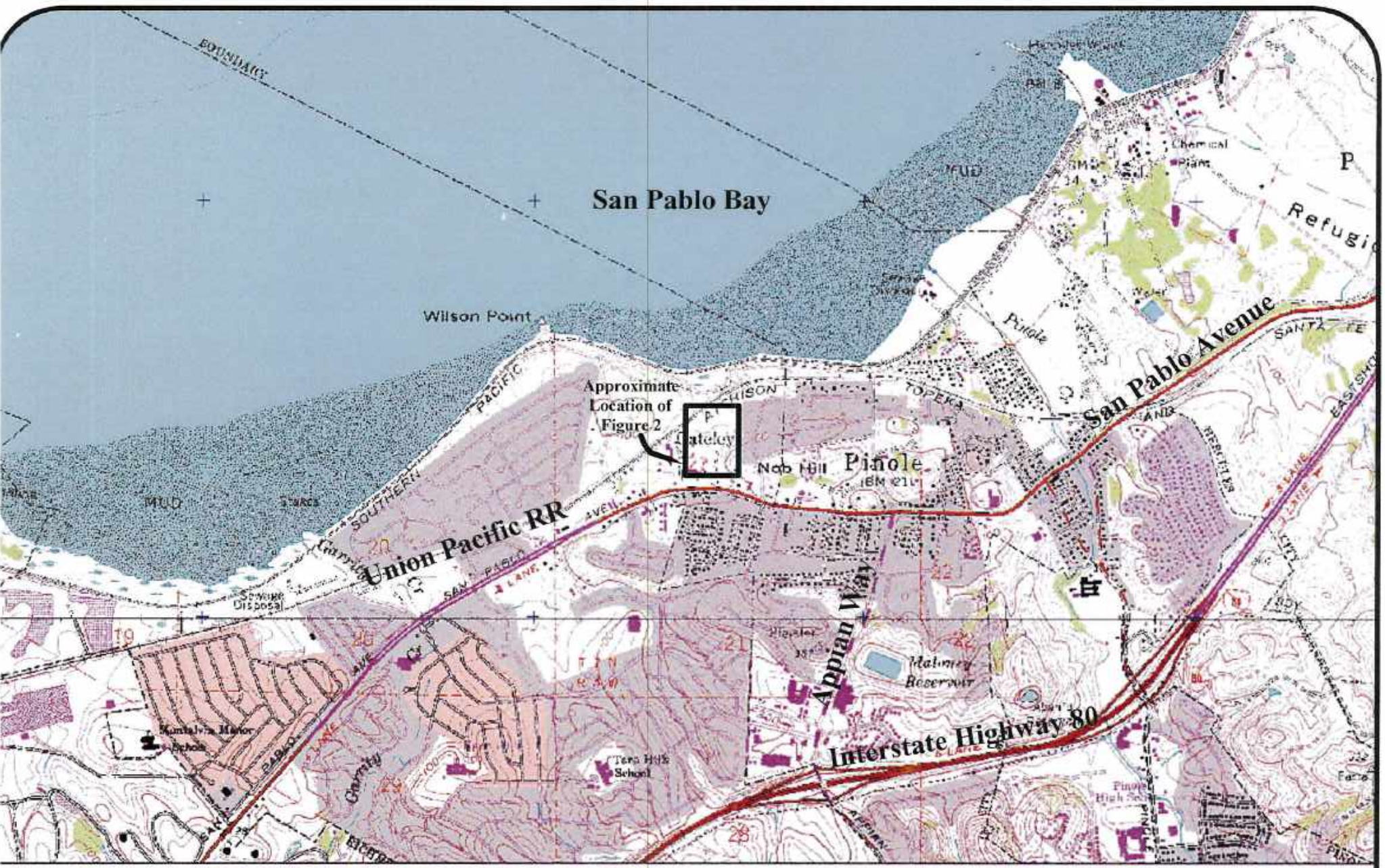
VI. TECHNICAL REPORTS, CORRESPONDENCE, ETC. THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

Report	**Issuance Date**
Well Destruction Report, Tim Cook,	5/4/2017
Request for Closure, Tim Cook	8/31/2016
Sub-slab Soil Gas and Ambient Air Samples, Tim Cook	4/14/2016
Quarterly Monitoring Report, Tim Cook	10/31/2012

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official Site file.

[1] See State Water Resources Control Board webpage: http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/rs2012_0016atta.pdf
[2] See Regional Water Board webpage: http://www.waterboards.ca.gov/rwqcb2/docs/supp_inst_low_risk_fuel_sites.pdf

Case 07-0804
Sugar City Building Materials Company
800 San Pablo Avenue, Pinole, CA
Legend
MARE ISLAND NAVAL RESERVATION
SONOMA CO
MARIN CO
SOLANO CO
CONTRA COSTA CO
SAN PABLO BAY
HAMILTON AIR FORCE BASE
BENICIA STATE RECREATION AREA
Glencove
Carquinez Bridge (TOLL)
CARQUINEZ
Dillon Pt
Davis Pt
Oleum
Crockett
Port Costa
Lone Tree Point
Rodeo
McInnis Park
CHINA CAMP STATE PARK
MARIN CO
CONTRA COSTA CO
Pinole Pt
Pt Pinole Regional Shoreline
PT PINOLE REG SHORELINE
Wilson Pt
800 San Pablo Ave
Hercules
PINOLE
Pinole
El Sobrante
San Pablo
North Richmond
Richmond
Gravel Pit
San Rafael Bay
Marin Islands
Pt San Pablo
Pt Molate
US NAVAL
Kennedy Grove Regional Park
Google Earth
N
Page 1421 of 1738

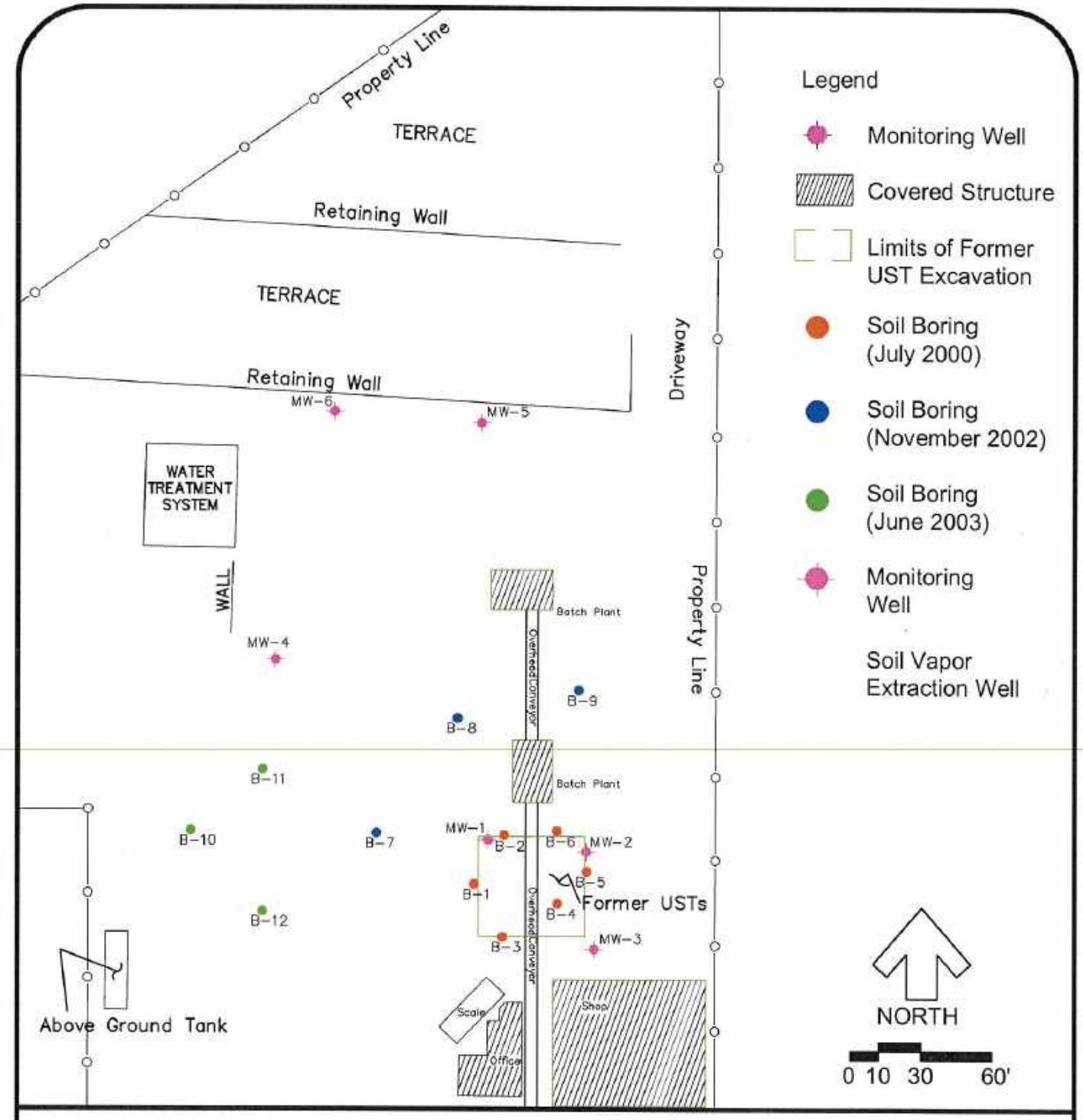


Site Location Map

Sugar City Building Materials
800 San Pablo Avenue
Pinole, California

NORTH

Project #: 1027	Figure: 1
Date: 4/28/10	
Scale: as shown	



Soil Boring and Monitoring Well Lcations
Sugar City Building Materials
800 San Pablo Avenue
Pinole, California

Cook Environmental Services, Inc.
1485 Treat Blvd., Ste 203A
Walnut Creek, CA 94597
(925) 478-8390 work
(925) 787-6869 cell
tcook@cookenvironmental.com

Project #1027	2
7/31/15	
SCALE: 1" = 60'	

California Regional Water Quality Control Board
San Francisco Bay Region

Linda S. Adams
Secretary for Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612
(510) 622-2300 • Fax (510) 622-2460
http://www.waterboards.ca.gov/sanfranciscobay

Arnold Schwarzenegger
Governor

Date: MAR 27 2008
File No.: 07-0329 (MYM)

TOC Holdings Co.
Attn: Mark A. Chandler
2737 West Commodore Way
Seattle, Washington 98199-1233

SUBJECT: **Transmittal of Case Closure Letter and Site Closure Summary**
Time Oil Company, 825 San Pablo Avenue, Pinole, Contra Costa County
UST Case No. 07-0329

Dear Mr. Chandler:

Attached please find the uniform underground storage tank closure letter and the site closure summary for the subject site.

The existing monitoring wells that no longer will be used should be properly destroyed pursuant to the Contra Costa County monitoring well abandonment guidelines. For more information regarding these guidelines, please contract the county's Department of Environmental Health at (925) 646-5225.

If you have any questions regarding this matter, please contact Martin Musonge of my staff at (510) 622-2296 or e-mail mmusonge@waterboards.ca.gov.

Sincerely,

for Bruce H. Wolfe
Executive Officer

Enclosures: Closure Letter
Site Closure Summary dated January 30, 2008
Site Map

Cc: Sue Loyd sloyd@hsd.co.contra-costa.ca.us
CCCHSD, 4333 Pacheco Blvd., Martinez, CA 94553-2229

Cc w/enclosure:

Ron Duff
Cleanup Fund Section
State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812

California Regional Water Quality Control Board
San Francisco Bay Region

Linda S. Adams
Secretary for
Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612
(510) 622-2300 • Fax (510) 622-2460
http://www.waterboards.ca.gov/sanfranciscobay

Arnold Schwarzenegger
Governor

Date: MAR 27 2008
File No.: 07-0329 (MYM)

TOC Holdings Co.
Attn: Mark A. Chandler
2737 West Commodore Way
Seattle, Washington 98199-1233

SUBJECT: **Underground Storage Tank (UST) Case Closure for Time Oil Company**
825 San Pablo Avenue, Pinole, Contra Costa County - UST Case No. 07-0329

Dear Mr. Chandler:

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tanks site is in compliance with requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective actions regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

for Bruce H. Wolfe
Executive Officer

SITE CLOSURE SUMMARY

I. AGENCY INFORMATION

Date: 1/30/08

Agency Name: S.F.B.R.W.Q.C.B.	Address: 1515 Clay Street, Suite 1400
City/State/Zip: Oakland, CA 94612	Phone: (510) 622-2396
Responsible Staff Person: Martin Musonge	Title: Water Resources Control Engineer

II. SITE INFORMATION

Site Facility Name: **Time Oil Company Property No. 04-020**		
Site Facility Address: **825 San Pablo Avenue, Pinole, CA**		
RB/SMS Case No: 07-0329 (MYM)	Local or LOP Case No:	Priority:
URF Filing Date:	SWEEPS No:	
Responsible Parties (include addresses and phone numbers)		
1) Time Oil Company, 2737 W Commodore Way, Seattle, WA 98199		
Attn: Mr. Mark Chandler, (206) 285-2400		

Tank No.	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	500	Used Oil	Removed	7/1986
2	4,000	Gasoline	Removed	7/1986
3	8,000	Gasoline	Removed	7/1986
4	10,000	Gasoline	Removed	7/1986

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: **Tank System**		
Site characterization complete? Yes	Date Approved By Oversight Agency: March 6, 2000	
Monitoring wells installed? **No**	Number:	Proper screened interval?
Highest GW Depth Below Ground Surface: 4'	Lowest Depth: 24'	Flow Direction: North
Most Sensitive Current Use: **Potential drinking water source**		
Most Sensitive Potential Use and Probability of Use: **Irrigation water well, probability extremely low**		
Are drinking water wells affected? **No**	Aquifer Name: **NA**	
Is surface water affected? **No**	Nearest/Affected SW Name:	

Off-Site Beneficial Use Impacts (Addresses/Locations): **None**	
Report(s) on file? **Yes**	Where is report(s) filed? **California Regional Water Quality Control Board San Francisco Bay Region**

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tanks (4)	22,500 gal	Disposal location unknown	7/1986

MAXIMUM DOCUMENTED GROUNDWATER CONCENTRATIONS BEFORE AND AFTER CLEANUP

POLLUTANT	Location (1998)[1] Location (2000)[2]	Water (ug/l)		POLLUTANT	Location (before)[1] Location (after)[2]	Water (ug/l)	
		Before	After			Before	After
TPH (Gas)	SB-3-GW, 9/17/98[1] SB-13-GW, 1/12/00[2]	5,900	53,100**	Xylenes	SB-3-GW, 9/17/98[1] SB-14-GW, 1/12/00[2]	14	420**
TPH (Diesel)	N/A	N/A	N/A	Ethylbenzene	SB-3-GW, 9/17/98[1] SB-14-GW, 1/12/00[2]	14	205**
Benzene	SB-3-GW, 9/17/98[1] SB-13-GW, 1/12/00[2]	380	4.0**	MTBE	SB-3-GW, 9/17/98[1] SB-13-GW, 1/12/00[2]	ND<5.0	34**
Toluene	SB-3-GW, 9/17/98[1] SB-13-GW, 1/12/00[2]	10	25.0**				

Notes:

1: Preliminary Soil and Groundwater Investigation and Risk Assessment Report dated December 1, 1998

2: Additional Site Investigation Report dated March 6, 2000.

N/A = Not applicable; no samples analyzed

ND< = Not detected at or above laboratory detection limit

** Refer to additional comments

MAXIMUM DOCUMENTED SOIL CONCENTRATIONS BEFORE AND AFTER CLEANUP							
POLLUTANT	Location (1998)[1] Location (2000)[2]	Soil (mg/kg)		POLLUTANT	Location (before)[1] Location (after)[2]	Soil (mg/kg)	
		Before	After			Before	After
TPH (Gas)	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	360	190**	Xylenes	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	2.8	3.2**
TPH (Diesel)	N/A N/A	N/A	N/A	Ethylbenzene	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	0.95 0.18**	0.18**
Benzene	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	0.56	ND**	MTBE	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	ND<0.25	ND<0.7
Toluene	SB-3-GW, 9/17/98[1] SB-16-GW, 1/12/00[2]	1.1	1.8**				

Notes:

1: Preliminary Soil and Groundwater Investigation and Risk Assessment Report dated December 1, 1998
2: Additional Site Investigation Report dated March 6, 2000
N/A = Not applicable; no samples analyzed
ND = Not detected at or above laboratory detection limit

** Refer to additional comments

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Yes		
Site Management Requirements: Residual contamination in both soil and groundwater remains at the site that could pose an unacceptable risk under certain development activities such as site grading, excavation, or installation of water wells. Therefore, the impact of the disturbance of any residual contamination or the installation of a water well near the residual contamination shall be assessed and appropriate action taken so that there is no significant impact to human health, safety or the environment. This could necessitate additional sampling, health risk assessment, and mitigation measures. The County of Contra Costa Health Services Department, and the appropriate planning and building department shall be notified prior to any changes in land use, grading activities, excavation, and installation of water wells. This notification shall include a statement that residual contamination exists on the property and list all mitigation actions, if any, necessary to ensure compliance with this site management requirement. The levels of residual contamination and any associated site risks are expected to reduce with time.		
Monitoring Wells Decommissioned: NA	Number Decommissioned: NA	Number Retained: NA
List Enforcement Actions Taken; None		
List Enforcement Actions Rescinded: N/A		

V. ADDITIONAL COMMENTS, DATA, ETC.

Based on the results of the additional site investigation dated March 6, 2000, it is apparent that residual petroleum hydrocarbons detected in the soil and groundwater are limited onsite as previously concluded in the Preliminary Site Investigation Report dated December 9, 1999. The dissolved hydrocarbon plume appears to be in a "steady-state" condition with intrinsic biodegradation as the predominant attenuation mechanisms for hydrocarbon. As shown on Figure 4, the correlation between the lower concentrations of DO and nitrate and higher concentrations of total alkalinity in the grab groundwater samples with the relatively higher TPH-G concentrations are indicative of anaerobic biodegradation of petroleum hydrocarbons destruction. Results of this additional investigation confirmed that the hydrocarbon plume has not migrated beyond the vicinity of the former underground fuel storage tanks.

It is apparent that no further investigation, including groundwater monitoring is warranted for this former TOC site based on the following:

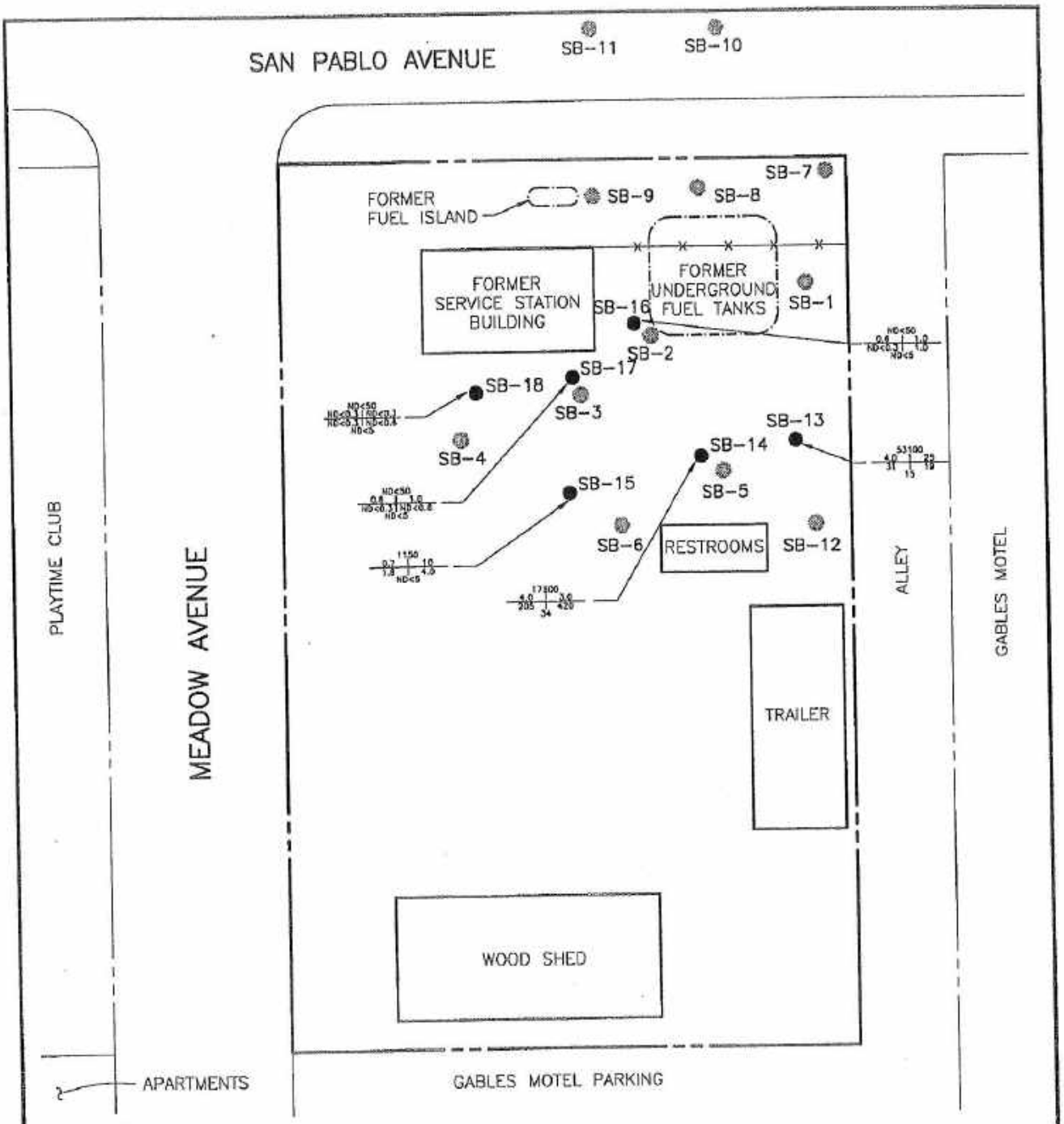
- All the underground storage tanks, which were the primary source of petroleum hydrocarbons in the shallow aquifer, were removed in 1987.
- The extent of the residual hydrocarbons in the subsurface has been defined and is limited onsite
- Analysis of indicator parameters indicates the presence of natural attenuation of intrinsic biodegradation at the site
- The residual petroleum hydrocarbon plume in the groundwater appears to be in a "steady-state" condition and is not migrating in the subsurface. With intrinsic bioattenuation, the residual hydrocarbon plume can be expected to recede or decrease over time.
- The concentrations of residual petroleum hydrocarbons detected in the subsurface during this investigation were all below the corresponding Tier 1 Risk-Based Screen Levels (RBSL's) and Tier 2 Site-Specific Target Levels (SSTL's) that were calculated as part of the preliminary site investigation in December, 1998.
- The shallow groundwater is not currently used nor is expected to be used in the future as a drinking water supply.
- There are no sensitive receptors, such as drinking water wells, in the immediate vicinity of the site.

At this time, we recommend no further action and that regulatory case closure be approved for this site.

VI. TECHNICAL REPORTS, CORRESPONDENCE, ETC. THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

Title and Author:	Date:
1. *Preliminary Soil and Ground Water Investigation and Risk Assessment Report* Alisto Engineering Group	12/1/1998
2. *Additional Site Investigation Report* Alisto Engineering Group	3/6/2000

This document and the related CASE LETTER shall be retained by the lead agency as part of the official site file.



LEGEND

- APPROXIMATE SOIL BORING LOCATION (SEPTEMBER 17, 1999)
- APPROXIMATE SOIL BORING LOCATION (JANUARY 12, 2000)
- CONCENTRATION OF PETROLEUM HYDROCARBONS IN GROUNDWATER

N

0 10 20

SCALE IN FEET

FIGURE 3

CONCENTRATION OF PETROLEUM HYDROCARBONS IN GROUNDWATER

TIME OIL CO. FACILITY NO. 04-020
825 SAN PABLO AVENUE
PINOLE, CALIFORNIA

PROJECT NO. 10-435

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

APPENDIX F

OTHER SUPPORTING DOCUMENTATION

A CONCEPTUAL SITE PLAN
SCALE: 1" = 30'

DEVELOPER/OWNER

CONTACT: JOHN DIEMER / VICE PRESIDENT OF CONSTRUCTION
ADDRESS: 2350 N. UNIVERSITY DRIVE #848300
PEMBROKE PINES, FL. 33084
PHONE - OFFICE: 954-499-8663
PHONE - CELL: 609-634-6908
EMAIL: JOHN.DIEMER@ONECORPGLOBAL.COM

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE, suite 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2800
EMAIL: BRIDGET@HERDMAN-AD.COM

SCOPE OF WORK

TWO NEW SPECULATIVE CONCRETE TILT-UP BUILDINGS FOR WAREHOUSE & OFFICE USE. INCLUDES SITE IMPROVEMENTS AS SHOWN.

LEGAL DESCRIPTION

ASSESSOR'S PARCEL NO:
SEE SHEET C1 FOR LEGAL DESCRIPTION

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING
- BUILDING AREA
- VEGETATED FLOW-THRU PLANTER BIOSWALE - SEE CIVIL DRAWINGS
- STANDARD PARKING STALL PER CITY REQUIREMENT (9' × 18')
- TYP. ACCESSIBLE PARKING STALL WITH 5' ACCESS AISLE PER CBC 2019 11B 502.2 (9', 5', 18')
- TYP. VAN ACCESSIBLE PARKING STALL WITH 8' ACCESS AISLE PER CBC 2019 11B 502.2 (9', 8', 18')
- CLEAN AIR PARKING STALL: PAINT, IN THE PAINT USED FOR STALL STRIPING, THE FOLLOWING CHARACTERS SUCH THAT THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE: CLEAN AIR/ VANPOOL/ EV
  PER CALGREEN 5.106.5.2.1 (9', 18')
- ELECTRIC VEHICLE CHARGING STATION: EVCS STALL SHALL PROVIDE SURFACE MARKING STATING " EV CHARGING ONLY" IN LEFTTER 12" HIGH MINIMUM. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE
  PER CBC 2019 11B-812.9 NOTE:FUTURE CHARGING SPACES QUALIFY AS DESIGNATED PARKING AS DESCRIBED IN SECTION 5.106.5.2 SHALL PROVIDE SURFACE MARKING STATING "CLEAN AIR/VANPOOL/EV" (9' MIN., 5' MIN., 9' MIN., 12" @ VAN PARKING, 18')
- PATH OF TRAVEL
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

PROJECT INFORMATION	2019 CB		CB.06.2019
GROSS SITE AREA	7.19 AC	321,855 SF	
NET AREA	6.52 AC	295,235 SF	
NET FAR		42.9%	
MAX FAR		NONE	
TOTAL BUILDING AREA		117,943 SF	
ZONE:		CMUG - CITY OF INDUSTRY	
SETBACKS(BLDG):			
FRONT BLDG SETBACK (SOUTH)		0'	
SIDE BLDG SETBACK		20'	
FRONT LANDSCAPE SETBACK		0'	
SIDE LANDSCAPE SETBACK		20'	
INTERIOR SETBACK	IF ABUTTING RESIDENTIAL	20'	
TOTAL PARKING REQUIRED		347	
TOTAL PARKING PROVIDED		367	
TOTAL TRAILER REQUIRED		5	
TOTAL PARKING PROVIDED		2	
LANDSCAPE	REQUIRED	NONE	
	PROVIDED	17.3%	33,767 SF

BUILDING 1 AREA		37,482 SF
NET AREA	7.19 AC	175,706 SF
FAR		21.3%
FOOTPRINT		34,982 SF
	WAREHOUSE	32,482
	OFFICE	2,500
MEZZANINE		2,500
	OFFICE	2,500
TOTAL PARKING REQUIRED (9' x 19')		132
	WAREHOUSE @ 1/1,000	32
	OFFICE @ 1/250	20
TRAILER REQUIREMENT (12' x 80')		2
	100 SF OR MORE	-
	PLUS 1 ADDITIONAL EACH 400 SF	-
PARKING PROVIDED (9' x 19')		132
	STANDARD	112
	COMPACT (35 x 15) 25% MAX	8
	ADA	2
	EV VAN ADA	0
	EV ADA	0
	EV	0
	CLEAN AIR	0
TRAILER SPACES PROVIDED (12' x 80')		2

BUILDING 2 AREA		80,461 SF
NET AREA	6.48 AC	282,029 SF
FAR		28.5%
FOOTPRINT		77,961 SF
	WAREHOUSE	76,461
	OFFICE	2,500
MEZZANINE		2,500
	OFFICE	2,500
TOTAL PARKING REQUIRED (9' x 19')		95
	WAREHOUSE @ 1/1,000	75
	OFFICE @ 1/250	20
TRAILER REQUIREMENT (12' x 80')		3
	100 SF OR MORE	-
	PLUS 1 ADDITIONAL EACH 400 SF	2
PARKING PROVIDED (9' x 19')		95
	STANDARD	65
	COMPACT (35 x 15) 25% MAX	26 25.5%
	ADA	2
	EV VAN ADA	0
	EV ADA	0
	EV	0
	CLEAN AIR	0
TRAILER SPACES PROVIDED (12' x 80')		0

KEYNOTES

102	PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS.
105	CONCRETE PAVING.
106	PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS.
107	(N) SIDEWALK. SEE LANDSCAPING PLANS FOR DECORATIVE TREATMENT WHERE OCCURS.
114	ACCESSIBLE SITE ENTRANCE SIGN.
124	EXTERIOR CONCRETE LANDING.
127	CONCRETE STAIR ON GRADE TYPE "C".
135	PAINTED CONCRETE TILT-UP SCREEN WALL OR TRASH ENCLOSURE WALL. PAINT BOTH SIDES AND TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
140	TRASH ENCLOSURE w/ ROOF COVERING.
146	2 POSITION BIKE RACK BY "DERO ROUNDRACK"
149	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS.SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST.

SHEET INDEX

A0	TITLE SHEET
A1	SITE PLAN
A2.1	BUILDING-1 FLOOR PLAN
A2.2	BUILDING-2 FLOOR PLAN
A3.1	BUILDING-1 ROOF PLAN
A3.2	BUILDING-2 ROOF PLAN
A4.1	BUILDING-1 EXTERIOR ELEVATIONS
A4.2	BUILDING-2 EXTERIOR ELEVATIONS
A5	SITE PHOTOS
C1.00	PRELIMINARY GRADING & DRAINAGE PLAN
C2.00	PRELIMINARY STORM WATER CONTROL PLAN
C2.01	PRELIMINARY STORM WATER TABLE & SECTIONS
C3.00	PRELIMINARY UTILITY PLAN
L1.00	PRELIMINARY PLANTING PLAN
L2.00	PRELIMINARY LANDSCAPE DETAILS
L3.00	PRELIMINARY IRRIGATION DETAILS
L4.00	PRELIMINARY PLANT PALETTE

SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMESIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL, AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FORM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES INDENTIFIED ON THE SITE PLAN DRAWINGS CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11/A0.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERICAL OF THE FINISH GRADE.
9. A CONCRETE SPLASH BLOCK SHALL BE PROVIDED AT THE BASE OF ALL EXTERIOR DOWNSPOUTS THAT DISCHARGE ON SURFACES OTHER THAN CONCRETE.
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY
11. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FORREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE.

VICINITY MAP

PROJECT LOCATION

GRP SHORES, LLC
PINOLE, CA

PROJECT
2ND PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN

A20-2041
3.29.2022

NORTH

SITE PLAN

A1

11/23/2021 10:31:18 AM

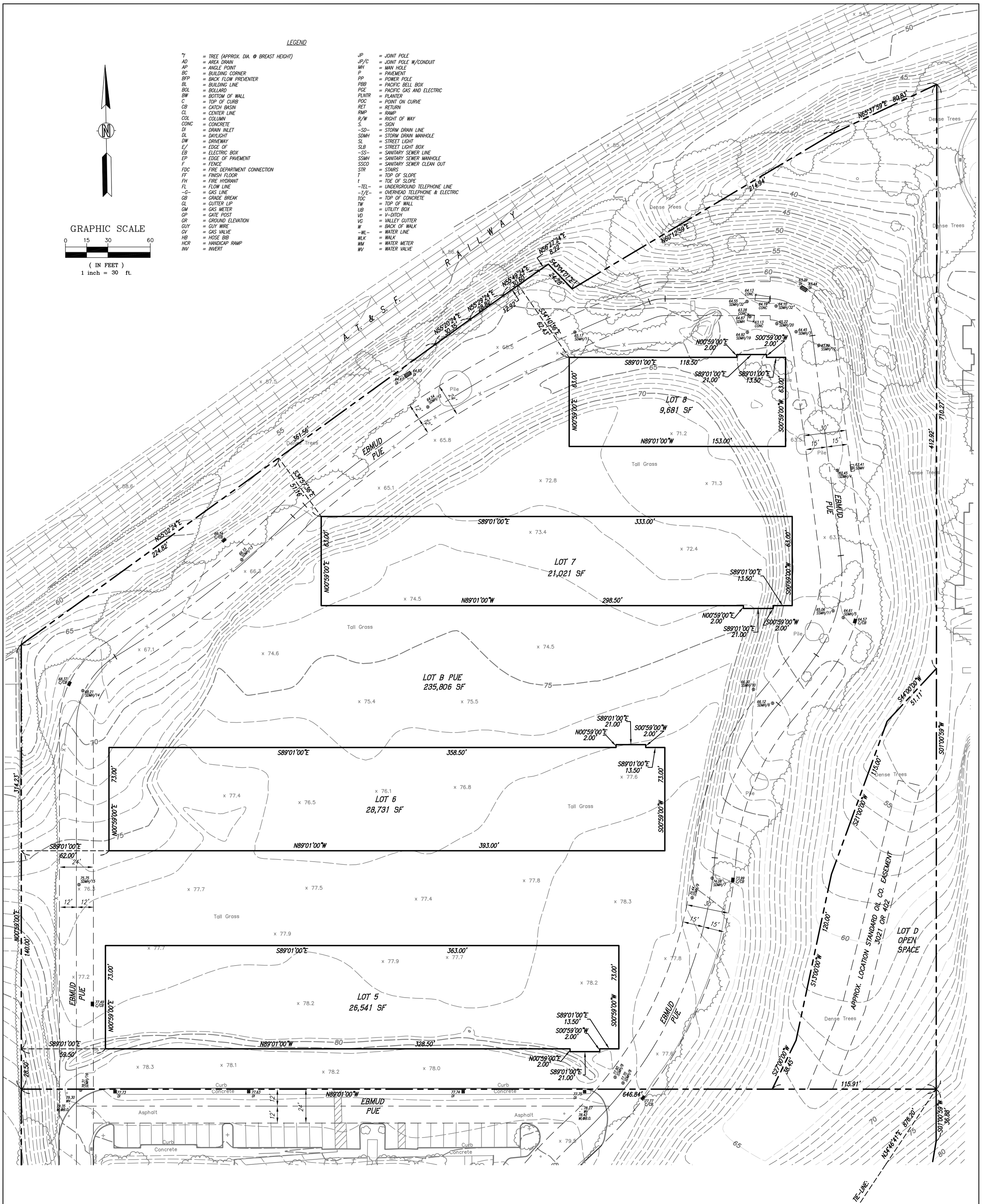
LEGEND

*T	= TREE (APPROX. DIA. @ BREAST HEIGHT)	JP	= JOINT POLE
AD	= AREA DRAIN	JP/C	= JOINT POLE W/CONDUIT
AP	= ANGLE POINT	MH	= MAN HOLE
BC	= BUILDING CORNER	P	= PAVEMENT
BFP	= BACK FLOW PREVENTER	PP	= POWER POLE
BL	= BUILDING LINE	PBB	= PACIFIC BELL BOX
BOL	= BOLLARD	PGE	= PACIFIC GAS AND ELECTRIC
BW	= BOTTOM OF WALL	PLNTR	= PLANTER
C	= TOP OF CURB	POC	= POINT ON CURVE
CB	= CATCH BASIN	RET	= RETURN
CL	= CENTER LINE	RMP	= RAMP
COL	= COLUMN	R/W	= RIGHT OF WAY
CONC	= CONCRETE	S.	= SIGN
DI	= DRAIN INLET	–SD–	= STORM DRAIN LINE
DL	= DAYLIGHT	SDMH	= STORM DRAIN MANHOLE
DW	= DRIVEWAY	SL	= STREET LIGHT
E/	= EDGE OF	SLB	= STREET LIGHT BOX
EB	= ELECTRIC BOX	–SS–	= SANITARY SEWER LINE
EP	= EDGE OF PAVEMENT	SSMH	= SANITARY SEWER MANHOLE
F	= FENCE	SSCO	= SANITARY SEWER CLEAN OUT
FDC	= FIRE DEPARTMENT CONNECTION	STR	= STAIRS
FF	= FINISH FLOOR	T	= TOP OF SLOPE
FH	= FIRE HYDRANT	t	= TOE OF SLOPE
FL	= FLOW LINE	–TEL–	= UNDERGROUND TELEPHONE LINE
–G–	= GAS LINE	–T/E–	= OVERHEAD TELEPHONE & ELECTRIC
GB	= GRADE BREAK	TOC	= TOP OF CONCRETE
GL	= GUTTER LIP	TW	= TOP OF WALL
GM	= GAS METER	UB	= UTILITY BOX
GP	= GATE POST	VD	= V–DITCH
GR	= GROUND ELEVATION	VG	= VALLEY GUTTER
GUY	= GUY WIRE	W	= BACK OF WALK
GV	= GAS VALVE	–WL–	= WATER LINE
HB	= HOSE BIB	WLK	= WALK
HCR	= HANDICAP RAMP	WM	= WATER METER
INV	= INVERT	WV	= WATER VALVE

GRAPHIC SCALE

0 15 30 60

(IN FEET)
1 inch = 30 ft.



GENERAL NOTES

1. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

2. CONTRACTORS AND OTHERS PERFORMING WORK SHALL VERIFY THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES.

3. CONTOUR INTERVAL = 1'

4. BASIS OF BEARINGS: THE BEARING N87°49'24"E BETWEEN TWO FOUND MONUMENTS AS SHOWN ON SHEET 3 OF 12 OF THE RECORD OF SURVEY, FILED JULY 2, 1993, IN BOOK 102 OF L.S.M. AT PAGE 49, CONTRA COSTA COUNTY RECORDS.

5. ELEVATIONS ARE BASED ON CITY OF PINOLE IMPROVEMENT PLANS FOR SAN PABLO AVE, DATED 3/14/86.

6. BOUNDARY AND EASEMENTS ARE PER SUBDIVISION 8758, RECORDED DECEMBER 17, 2007, IN BOOK 506 OF MAPS PAGE 13, CONTRA COSTA COUNTY RECORDS.

LICENSED LAND SURVEYOR
PATRICK M. REI
LS 8178
STATE OF CALIFORNIA

5/5/2021
PATRICK M. REI — DATE
L.S. # 8178

REFERENCES
FIELD BOOK No.
FILE MAP: 506 M 13, 102 LSM 49
TITLE CO.:
POLICY No.:
DATUM: PROJECT
MISC. REF.: 20228, 8692, STAKE O–985

REVISIONS

KISTER, SAVIO & REI, INC.
LAND SURVEYORS – CIVIL ENGINEERS
825 SAN PABLO AVENUE
PINOLE, CALIFORNIA 94564

DESCRIPTION
BOUNDARY & TOPOGRAPHIC SURVEY
PINOLE BUSINESS PARK PHASE II
PINOLE, CALIFORNIA

FOR: GENERAL REALTY
SCALE: 1" = 30' | JOB No. 20300
DATE: 05/05/2021 | DWG No. X–4271

P:\projects\20300\DWGS\SURVEY\20300.dwg 5/05/21

APPENDIX G

QUALIFICATIONS

Lea Palumbo

Project Manager, Due Diligence

EDUCATION

- BS – Environmental Policy Analysis and Planning, University of California, Davis

SUMMARY OF PROFESSIONAL EXPERIENCE

Ms. Palumbo provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Assessments, Environmental Transaction Screens, Regulatory Database Review, and Historical Records Review.

PROJECT EXPERIENCE

Project experience for Ms. Palumbo includes:

- Phase I Environmental Site Assessments (PHI ESA)
- Environmental Transaction Screens (ETS)
- Limited Environmental Site Assessments
- Records Research with Risk Assessments
- Regulatory Database Review
- Historical Records Review

In addition, prior to joining the environmental consulting industry, Ms. Palumbo spent four years studying a diverse range of environmental disciplines including: environmental policy analysis, environmental law, geology, Geographic Information Systems (GIS), sustainable development, and environmental planning.

Marsha Thompson

National Client Manager

EDUCATION

- B.S. – Bachelor of Science, Environmental Science, Barry University

SUMMARY OF PROFESSIONAL EXPERIENCE

Ms. Thompson has been in the environmental service and due diligence industry since 2007. Her AEI project management experience includes Phase I Environmental Site Assessments, Environmental Transaction Screens, Regulatory Database Reviews, Historical Records Reviews, and Limited Environmental Site Assessments. Ms. Thompson has successfully completed assessments on a variety of properties including: industrial, commercial, agricultural, residential, and vacant sites and has managed multi-site portfolios of properties spread across various states. Ms. Thompson is accustomed to the needs and requirements of a variety of reporting standards including Freddie Mac, Fannie Mae, and customized client formats.

PROJECT EXPERIENCE

Project experience for Ms. Thompson includes:

- Phase I Environmental Site Assessments
- Environmental Transaction Screens
- Regulatory Database Reviews
- Historical Records Reviews
- Limited Environmental Site Assessments
- Project coordination and setup

As a National Client Manager, Ms. Thompson provides in-house technical guidance and review to ensure all projects meet client's goals and scope expectations and develops an understanding of client's goals to facilitate the delivery of consulting to meet those needs.

APPENDIX H

LIST OF COMMONLY USED ABBREVIATIONS

UNITS

µg/L	Micrograms per Liter	**pCi/L**	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	**ppb**	Parts per Billion
mg/L	Milligrams per Liter	**ppm**	Parts per Million

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-Containing Material	**NESHAP**	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	**NFA**	No Further Action
AEI	AEI Consultants	**NFRAP**	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	**NLR**	No Longer Reporting
APN	Assessor's Parcel Number	**NOV**	Notice of Violation
AST	Aboveground Storage Tank	**NPL**	National Priorities List
AUL	Activity and Use Limitation	**O&M**	Operations and Maintenance
bgs	Below Ground Surface	**OEC**	Other Environmental Considerations
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes	**OSHA**	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	**PCB**	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	**PCE, PERC**	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	**RCRA**	Resource Conservation and Recovery Act
COC	Contaminant of Concern	**REC**	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	**RP**	Responsible Party
EC	Engineering Controls	**SDS**	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	**SEMS**	Superfund Enterprise Management System
EPA	Environmental Protection Agency	**SF**	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	**SP**	Subject Property
ERNS	Emergency Response Notification System	**SQG**	Small Quantity Generator
ESA	Environmental Site Assessment	**SWLF**	Solid Waste Landfill
GPR	Ground-Penetrating Radar	**SVOC**	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	**TCE**	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	**TPH**	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	**TPHd**	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	**TPHg**	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	**TPHo**	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	**TRPH**	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	**TSDF**	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	**USDA**	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	**USGS**	United States Geological Survey
MCL	Maximum Contaminant Level	**UST**	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	**VCP**	Voluntary Cleanup Program
ND	None Detected	**VOC**	Volatile Organic Compound

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Soil Management Plan for Former Anthony's Auto Wrecking Property Pinole, California

October 3, 2002
001-08171-00-003

Prepared for
City of Pinole
2131 Pear Street
Pinole, California 94564

LFR
LEVINE • FRICKE

Printed on recycled materials

LFR
LEVINE•FRICKE

October 3, 2002

001-08171-00-003

Sampath Rangarajan
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Soil Management Plan for the Former Anthony's Auto Wrecking Property, 850 San Pablo Avenue, Pinole, California

Dear Sampath:

LFR Levine·Fricke (LFR) has prepared the attached Soil Management Plan (SMP) on behalf of the City of Pinole ("the City") for the former Anthony's Auto Wrecking Property, located at 850 San Pablo Avenue, Pinole, California ("the Site"). LFR understands that the City is considering acquiring the Site for industrial redevelopment. The Regional Water Quality Control Board (RWQCB) recommended the preparation of an SMP for use during redevelopment of the Site. The SMP addresses the management of naturally occurring soil and existing fill material at the Site.

The SMP presents sampling and health and safety procedures to be implemented during site development or future site modification that could disturb site soil, such as the repair of a subsurface utility. The SMP will facilitate regulatory site closure by providing a framework to manage residual concentrations of lead and petroleum hydrocarbons in soil at the Site in a manner that is protective of human health and the environment, including water quality.

The SMP will remain in effect unless future site development plans necessitate changes in land use. At such time, the RWQCB may require a re-evaluation of the soil and groundwater conditions at the Site and implementation of further remedial measures to address residual metals and petroleum-hydrocarbon-affected soil if warranted by the proposed changed land use.

If you have questions or comments, please call me at (510) 652-4500.

Sincerely,

Andrew M. Lojo, R.G.
Senior Associate Geologist

Enclosure

cc: Marcus Tartt, City of Pinole

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CONTENTS

1.0 INTRODUCTION 1

2.0 SITE DESCRIPTION 1

3.0 BACKGROUND 2
- 3.1 Previous Environmental Investigations 2
- 3.2 Remedial Goals Established for Soil 3

4.0 SOIL REMEDIATION 4

5.0 SOIL MANAGEMENT PROTOCOLS DURING SITE DEVELOPMENT 5
- 5.1 Soil Management Strategy 5
- 5.2 Measures to Minimize Dust from Soil Movement and Handling 6
- 5.3 Reuse of Excavated Soil 6
- 5.4 Soil for Landscaped Areas 6
- 5.5 Contingency Protocols for Identifying Affected Media or Underground Structures 6
- 5.6 Access Control During Construction 8
- 5.7 Construction Worker Management Measures 8
- 5.8 Environmental Health and Safety Guidelines 9

TABLES

1 TPH and VOC Concentrations in Soil

2 Lead Concentrations in Soil

FIGURES

1 Site Location Map

2 Site Plan With Soil Boring Locations & Excavation Areas

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) has prepared this draft Soil Management Plan (SMP) on behalf of the City of Pinole ("the City") for the former Anthony's Auto Wrecking Property, located at 850 San Pablo Avenue, Pinole, California ("the Site"; Figure 1). LFR understands that the City is considering acquiring the Site for redevelopment. The portion of the Site previously used for auto wrecking activities (approximately 7 acres) is slated for industrial reuse. The remaining 7 acres, which has remained unused until now, is slated for residential redevelopment. This SMP is intended to provide protocols for managing residual soil remaining on the auto wrecking portion of the Site containing lead and total petroleum hydrocarbon (TPH) concentrations that are acceptable for industrial site reuse, although above natural background levels. The protocols are intended for use during site redevelopment and future maintenance that may require the disturbance of subsurface soil at the Site.

This SMP is intended to facilitate regulatory site closure by providing a framework to manage residual concentrations of lead and TPH in soil at the Site in a manner that is protective of human health and the environment, including water quality. The SMP identifies the general measures that must be implemented before, during, and after redevelopment of the Site. The SMP was prepared based on the results of field investigations and remedial activities conducted by LFR and on previous site investigative work conducted by Terrasearch, Inc. ("Terrasearch") and Geocon Geotechnical and Environmental Consultants ("Geocon").

This SMP will remain in effect unless future site development plans necessitate changes in land use. At such time, the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) may require a re-evaluation of the soil and groundwater conditions at the Site and implementation of further remedial measures to address residual concentrations of lead- and TPH-affected soil.

2.0 SITE DESCRIPTION

The Site, located at 850 San Pablo Avenue, Pinole, California, covers an area of approximately 14 acres, the western half of which was formerly used for auto wrecking activities. A site vicinity map is presented as Figure 1. The Site is bounded to the east by hilly undeveloped land with residential housing beyond, to the south by San Pablo Avenue and various businesses, to the west by industrial property, and to the north by the Atchison, Topeka, and Santa Fe Railroad and residences beyond. The northern two-thirds of the Site slopes gently downhill toward the railroad tracks and San Francisco Bay. The southern third of the Site forms a hill, which slopes to the south toward San Pablo Avenue after peaking on the Site. A site plan is presented as Figure 2.

Several scenarios for the industrial redevelopment of the Site have been proposed. The current redevelopment plan for the former auto wrecking parcel (approximately 7 acres)

includes the construction of an access road along the eastern boundary of the parcel. Five level building pads to be constructed along the western side of the access road are proposed for later industrial development.

3.0 BACKGROUND

3.1 Previous Environmental Investigations

In 2000, the City retained Terrasearch to provide preliminary environmental and geotechnical investigation services at the Site and to propose a remediation plan to address identified contaminants in soil. In March 2001, the City requested that LFR evaluate the remedial activities that Terrasearch recommended for the Site. Specifically, LFR reviewed the following Terrasearch documents:

- "Geotechnical Site Evaluation and Preliminary Grading Recommendations," dated January 24, 2001
- "Limited Phase I and II Environmental Site Assessment," dated January 25, 2001
- "Preliminary Cost Estimate for Removal of Contaminated Soil," dated February 8, 2001

Based on review of these reports, LFR recommended that more data be collected to assess whether soil at the Site needed to be removed to protect human health and the environment. LFR therefore conducted a further soil and limited groundwater investigation at areas of concern and reviewed the regulatory files from neighboring properties to evaluate the potential for migration of off-site contamination to the Site.

The results of LFR's investigation indicated that the potential for migration of contaminants onto the Site from off-site sources is low, including fuel conveyed in pipelines present in a Chevron Pipeline easement located in the southern portion of the Site (Figure 2).

Based on the results of the analytical data and information collected during LFR's investigation and on the previous investigation work conducted by Terrasearch and Geocon, LFR found that four areas of the Site had been affected by past site uses. Two of these areas (in the vicinity of boring LF-30 and test pit TP-6 and in the vicinity of boring LF-13; Figure 2) had elevated concentrations of lead in soil. A third area, in the vicinity of the former engine draining area (borings LF-5 and LF-6; Figure 2) had soil affected with TPH and low levels of volatile organic compounds (VOCs). The fourth area was the former underground storage tank (UST) area, which has already been closed by the RWQCB.

Because oil/water separators in the engine draining area were reported to have drained into the soil rather than the sewer system, groundwater sampling was conducted by LFR

in September 2001. During the groundwater investigation, LFR collected six grab groundwater samples from borings GW-1 through GW-6. Analytical results from these samples indicated that previous oil drainage from the oil/water separators has not significantly affected shallow groundwater in the area.

Based on the analytical results of these and previous groundwater samples collected during these investigations, LFR concluded that no additional investigations or remedial actions were needed for groundwater at the Site (with the exception of the UST area).

3.2 Remedial Goals Established for Soil

The results of previous investigations indicated that soil and existing fill material at the Site had been affected by lead and TPH quantified in the motor oil (TPHmo) and diesel (TPHd) ranges. A total of three areas were identified where these constituents exceeded the remediation goals developed for the industrial reuse planned by the City of Pinole for the Site (LFR 2002). The remediation goals developed for these constituents in soil were:

- TPHmo: 1,000 milligrams per kilogram (mg/kg)
- TPHd: 500 mg/kg
- benzene: 0.39 mg/kg
- toluene: 8.4 mg/kg
- ethylbenzene: 24 mg/kg
- total xylenes: 1.0 mg/kg
- total lead: 750 mg/kg

These residual goals were chosen using a combination of U.S. Environmental Protection Agency (EPA) preliminary remediation goals (PRGs) and RWQCB risk-based screening levels (RBSLs).

The TPHmo and TPHd remedial goals were based on the values provided in the RWQCB RBSLs for the industrial/commercial land-use scenario in which groundwater is not considered a potential source of drinking water. LFR has used information in this document as an informative tool in the process of evaluating whether a release of chemicals may or may not be considered significant.

The RWQCB has prepared a technical document entitled "Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater" (Interim Final, August 2000). The document presents lookup tables of conservative RBSLs for over 100 chemicals commonly found in affected soil and groundwater at sites where releases of hazardous substances have occurred. The report describes how the RBSLs were developed and provides detailed tables and appendices in support of the summary lookup tables. The document is intended to help expedite the preparation of

environmental risk assessments at sites where affected soil and groundwater have been identified.

As an alternative to preparing a formal risk assessment, soil and groundwater data collected at a site can be directly compared to the RBSLs and the need for additional work evaluated. It is anticipated that this document will be especially beneficial for use at small- to medium-size sites (similar to this Site) where the preparation of a more formal risk assessment may not be warranted or feasible because of time and/or cost constraints.

The total lead remedial goal of 750 mg/kg was based on the value provided in the EPA PRGs for industrial sites. For comparison purposes, the RBSL for lead at industrial sites in which groundwater is not considered a potential source of drinking water is 1,000 mg/kg.

4.0 SOIL REMEDIATION

Based on previous investigations, two areas were identified as containing lead-affected soil at concentrations exceeding the industrial PRG. These areas are located in the northern (lower) and central (upper) portions of the Site. A further area in the southern portion of the Site was identified as containing TPH-affected soil at concentrations exceeding RBSLs. In June and July of 2002, LFR supervised the excavation and off-site disposal of the affected soil in the following areas (Figure 2):

- The lower lead excavation area, located near former soil boring LF-30, was excavated to approximately 2 feet below ground surface (bgs)
- The upper lead excavation area, located near former soil boring LF-13, was excavated to approximately 2 feet bgs
- The TPH-affected excavation area, located near former soil borings LF-4 and LF-5, was excavated to a depth of approximately 5 to 8 feet bgs

As the excavations progressed, confirmation samples were collected from the base and the sidewalls of each excavation after the removal of affected soil. Excavation continued until the analysis of confirmation sample results indicated that the remedial goals for affected soil in the areas had been met. Results of the remediation activities are presented in LFR's "Report of Soil Remediation Activities," dated September 26, 2002.

Approximately 2,800 tons of lead-affected soil were removed from the lower and upper lead excavations. The excavated soil was stabilized to below soluble threshold limit concentration (STLC) levels by mixing the soil with approximately 10 percent cement to fixate the lead. The treated soil was then transported to Allied Waste's Forward Landfill, a Class 2 nonhazardous waste landfill located in Stockton, California. A total of approximately 742 tons of TPH-affected soil was excavated and transported to Allied Waste's Forward Landfill for off-site disposal.

The analytical results of the confirmation samples collected from the base and sidewalls of the excavations indicated that the remedial goals established for lead- and fuel-affected soil had been successfully achieved at the Site. LFR therefore recommended in its Report of Soil Remediation Activities that the Site be granted no-further-action status and that additional soil removal and handling activities be conducted under the guidance of this SMP.

5.0 SOIL MANAGEMENT PROTOCOLS DURING SITE DEVELOPMENT

The following sections present the management protocols for handling, moving, stockpiling, and reusing native soil during the development at the Site. Contingency protocols to be followed when unknown contamination or underground structures are identified are also presented.

5.1 Soil Management Strategy

Throughout the grading activities associated with the redevelopment of the Site, native soil and existing fill material will be handled and moved from one portion of the Site to another.

As described above, the analysis of confirmation samples collected from the areas of excavations indicated that the remedial goals for lead- and fuel-affected soil at the Site have been met. An objective of this SMP is to further minimize the potential for exposure to residual concentrations of lead and fuel in soil by developing a strategy for the management of reuse-soil at the Site. In addition, this SMP addresses the concern that soils meeting the remedial goals may be classified as hazardous waste if they are removed from the Site due to the relatively high solubility of the lead.

Many of the projected construction activities at the Site will require limited excavation of native soil. Other construction activities proposed will require soil to be added for grading. The net balance of soil from cut and fill grading will probably not require removal of soil from the Site. LFR recommends that the shallow soil, which contains residual levels of lead and TPH, be stripped off to a depth of approximately 1 to 2 feet bgs and placed in deeper fills as part of the normal site grading activities, to minimize the potential of future exposure of this soil to site occupants. Although off-site disposal of soil is not anticipated, any soil to be disposed of off site will be tested and disposed of at an appropriately licensed landfill following applicable federal and state laws and regulations.

In addition, fill material, which is present in portions of the Site, may include construction debris, concrete, rock, glass, wood, bricks, and other debris such as pieces of metal. It may be necessary to remove soil containing this material, which will also be tested and disposed of in accordance with all applicable laws and regulations.

5.2 Measures to Minimize Dust from Soil Movement and Handling

Soil handling activities can result in exposure to dust. Dust control measures will be implemented during the construction at the Site. In general, the most effective dust control measure is to water all active construction areas at least twice per day or as necessary to prevent visible dust plumes from migrating off site. Also, tarpaulins or other effective covers may be used for trucks carrying soils on and off site.

5.3 Reuse of Excavated Soil

Soil that is excavated within the Site may need to be stockpiled before it is reused. There are three potential concerns associated with the stockpiling of soils: dust generation, erosion, and unauthorized access to the stockpiles. The risk management measures that will be implemented to control dust from the stockpiles are described below.

Water will be used to mitigate dust generated during the creation, movement, or use of the soil stockpiles. Overwatering, which could result in excessive runoff, will be avoided. Dust palliatives or other methods of dust control may be used if water proves to be inadequate.

While stockpiles are in place, dust will be controlled using a cover or an alternative method that provides equivalent protection. If the stockpiles are covered, the cover will consist of anchored plastic sheeting or equivalent cover. The method of covering will be determined based on the anticipated time the stockpiles will be in place, weather conditions, and other practical factors such as the size of the stockpiles.

5.4 Soil for Landscaped Areas

This section applies to landscaped areas that will be accessible for human use. Materials used for landscaped areas will consist of imported materials composed of sand, topsoil, or fill that meets the prevailing commercial standards for use in commercial developments or on-site material (such as native soil) that has been specifically approved for reuse and meets the prevailing commercial standards.

5.5 Contingency Protocols for Identifying Affected Media or Underground Structures

The protocols to be followed in the event that unknown areas of contamination and/or underground structures are identified during site development are described in this section. These protocols will be conducted by the owner, lessee, or other entity, such as a contractor or qualified consultant, designated or certified by the owner or lessee.

Unknown conditions that may trigger contingency monitoring procedures during site development include but are not limited to those listed below. Discovery of any of these conditions could require either alternative or additional measures to protect human health and the environment.

- oily, shiny, or saturated soil or free product in previously undocumented areas
- discovery of a UST
- discovery of debris associated with former wrecking yard activities
- other conditions that vary materially from those documented during previous investigations

If free product is encountered, the areal extent and thickness will be characterized and excavated. The excavated soil will be stockpiled and disposed of off site.

During the course of excavation and construction activities within the Site, it is possible that USTs, sumps, or other underground structures that were not identified during previous site investigations will be discovered. For example, USTs may be identified during grading and site excavation activities by the presence of vent pipes that extend above the ground surface, product distribution piping that leads to the UST, fill pipes, backfill materials, or the UST itself. Other structures might not have features that extend above the surface and could be unearthed when construction equipment comes into contact with them. The following section outlines the measures that govern identification and removal of USTs and appropriate measures for addressing other underground structures identified during development.

Chapter 6.7 of the California Health and Safety Code contains the specific requirements for removing and remediating contamination associated with a leaking UST. The Contra Costa County Hazardous Materials Program (CCCHMP) is responsible for local oversight and overseeing the removal of any UST; however, the RWQCB maintains responsibility for overseeing environmental investigations and responses arising from releases from any UST at the Site. Accordingly, the RWQCB and the CCCHMP will be notified in the event that a UST or appurtenant piping is discovered during construction and development of the Site.

Environmental investigations and responses required following removal of the UST will be conducted under the direction of the RWQCB and in accordance with the specific provisions delineated in Chapter 6.7 of the California Health and Safety Code.

For other subsurface structures that may have been related to former use and storage of chemicals, such as underground vaults and sumps, the following procedures should be implemented to determine the proper disposition of the encountered structure.

The structure should be inspected to assess whether it contains any indication of chemical residuals or free liquids other than water. The owner or lessee's designated environmental engineer will make this assessment using field observations. If there is no

indication, based on visual observation, odor, or field air monitoring equipment, that chemicals are or were present within the vault or sump, then removal of the structure is not necessary for environmental reasons.

If a sump or vault contains liquids that appear to contain chemicals, based on visual observations, odor, or field air monitoring equipment, then the following steps shall be taken:

- Characterize the chemical and determine appropriate response action.
- Sample potentially chemical-containing liquids for profiling purposes.
- Properly remove and dispose of liquids under the direction of the owner or lessee's designated environmental engineer.
- Notify the RWQCB and/or CCCHMP before the selection of an appropriate response.

5.6 Access Control During Construction

The potential for trespassers or visitors to gain access to construction areas and come into direct contact with potentially contaminated soils or groundwater will be controlled through the implementation of the access and perimeter security measures.

5.7 Construction Worker Management Measures

During construction activities, workers that may directly contact the native soil will conduct the work in accordance with California Occupational Safety and Health Administration (Cal/OSHA) training and worker protection rules and regulations. The types of hazards that construction workers or other workers involved in soil disruptive activities are most likely to encounter include the following:

- identifying previously unknown structures or areas of contamination
- having direct contact with fill materials that contain inorganic constituents including lead or petroleum compounds

Cal/OSHA is the state agency that is responsible for monitoring compliance with worker health and safety laws and requirements. Compliance with standard Cal/OSHA regulations, particularly Title 8, Chapter 4, "Division of Industrial Safety," will minimize the potential effects associated with excavation activities, as the intent of these standards is to prepare workers for the types of hazards that are likely to be encountered during such activities. All activities conducted within the Site must be in compliance with current Cal/OSHA rules and regulations, even if not expressly noted in this SMP. Further, all workers involved in subsurface activities must conduct the work in compliance with an environmental health and safety plan (HSP). The HSP will be an additional mechanism that will protect workers engaging in intrusive work. To achieve

that goal, the HSP will delineate the specific potential hazards associated with contact with native soils at the Site and will inform workers that the subsurface material may contain lead or petroleum compounds. The HSP will also define the methods to be employed to minimize the hazards associated with such activities.

The minimum health and safety guidelines for all workers engaging in intrusive work at the Site are provided below. Preparation of and compliance with all aspects of the HSP is the responsibility of the individuals engaged in the intrusive activities. HSPs prepared for any construction projects will be kept on site during the project. This SMP does not require that construction workers working at the Site comply with Cal/OSHA standards for Hazardous Waste Operations and Emergency Response, unless the companies conducting intrusive work at the Site conclude it is required after thoroughly evaluating the residual soil analytical data in relation to the potential exposure to those chemicals necessitated by the type of work being conducted.

5.8 Environmental Health and Safety Guidelines

Although this SMP establishes the minimum requirements for an HSP, the HSP is a stand-alone document developed by the owner or lessee's designated contractor or qualified environmental consultant before the initiation of any construction activities that would disrupt the native soils. It is the responsibility of the individual preparing the HSP to verify that the components of the HSP are consistent with current worker health and safety rules and regulations. All workers, including utility repair workers or other workers who may directly contact native soil or groundwater, would perform all activities in accordance with an HSP. Consistent with Cal/OSHA standards, an HSP would not be required for workers such as carpenters, painters, or others who would not be performing activities that disrupt native soils.

The HSP will be designed to identify, evaluate, and control safety and health with respect to the chemicals present in the soil and groundwater. The HSP will require that the on-site Health and Safety Officer conduct periodic briefing meetings (tailgate meetings) with construction personnel on the reporting requirements to be undertaken when underground structures are identified. Compliance with all aspects of the HSP is the responsibility of the party conducting the construction activities.

482270

Table 1
TPH and VOC Concentrations in Soil
Anthony's Auto, Pinole, California
Concentrations in milligrams per kilogram (mg/kg)

Sample ID	Sample Depth	Petroleum Hydrocarbons			Volatile Organic Carbons									PCBs
		TPHd	TPHg	TPHm	1,2,4-Trimethylbenzen	1,3,5-Trimethylbenzen	2-Butanone	Acetone	Benzene	m,p-Xylenes	Naphthalene	o-Xylene	Toluene	
LF-1-10	9.5-10	1.7 YH	<1.0	17	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	NA
LF-2-10	9.5-10	<1.0	<1.0	<5.0	<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA
LF-3-1	0.5-1	5.2 YH	<1.0	44	<0.0048	<0.0048	<0.0096	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA
LF-3-5.5	5-5.5	2.8 YH	<1.0	13	<0.0049	<0.0049	<0.0098	<0.02	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	NA
LF-4-1	0.5-1	40 YH	<1.0	190	<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA
LF-5-1	0.5-1	1800 YH	<1.0	1900 L	<0.0049	<0.0049	0.0340	0.1200	<0.0049	<0.0049	<0.0049	<0.0049	0.0054	NA
LF-5-4	3.5-4	6200 YH	<1.0	9600	0.0230	0.0097	<0.01	<0.02	<0.005	0.0093	<0.005	0.0068	<0.005	ND
LF-6-5	4.5-5	28 Y	1300 YH	34 L	120	43	<10	<20	<5	38	25	23	<5	NA
LF-6-10	9.5-10	2.6 Y	1.7 YH	6.5 Y	0.0790	0.0270	<0.01	<0.02	0.0064	0.0510	0.0230	0.0320	<0.005	NA
LF-7-5	4.5-5	28 YH	<1.0	84	0.0170	0.0052	<0.0096	0.0460	<0.0048	0.0150	0.0068	0.0080	0.011	NA
LF-44-1	0.51	180 YH	<1.0		<0.0051	<0.0051	<0.01	<0.02	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	NA

Data entered by TIH. Data proofed by LIU.

Notes:

All samples collected 4/27/01

L = Lighter hydrocarbons contributed to the quantitation

H = Heavier hydrocarbons contributed to the quantitation

Y = Sample exhibits fuel pattern which does not resemble laboratory standard

NA = Not analyzed

ND = Not detected

TPH = Total petroleum hydrocarbons

VOCs = Volatile organic compounds

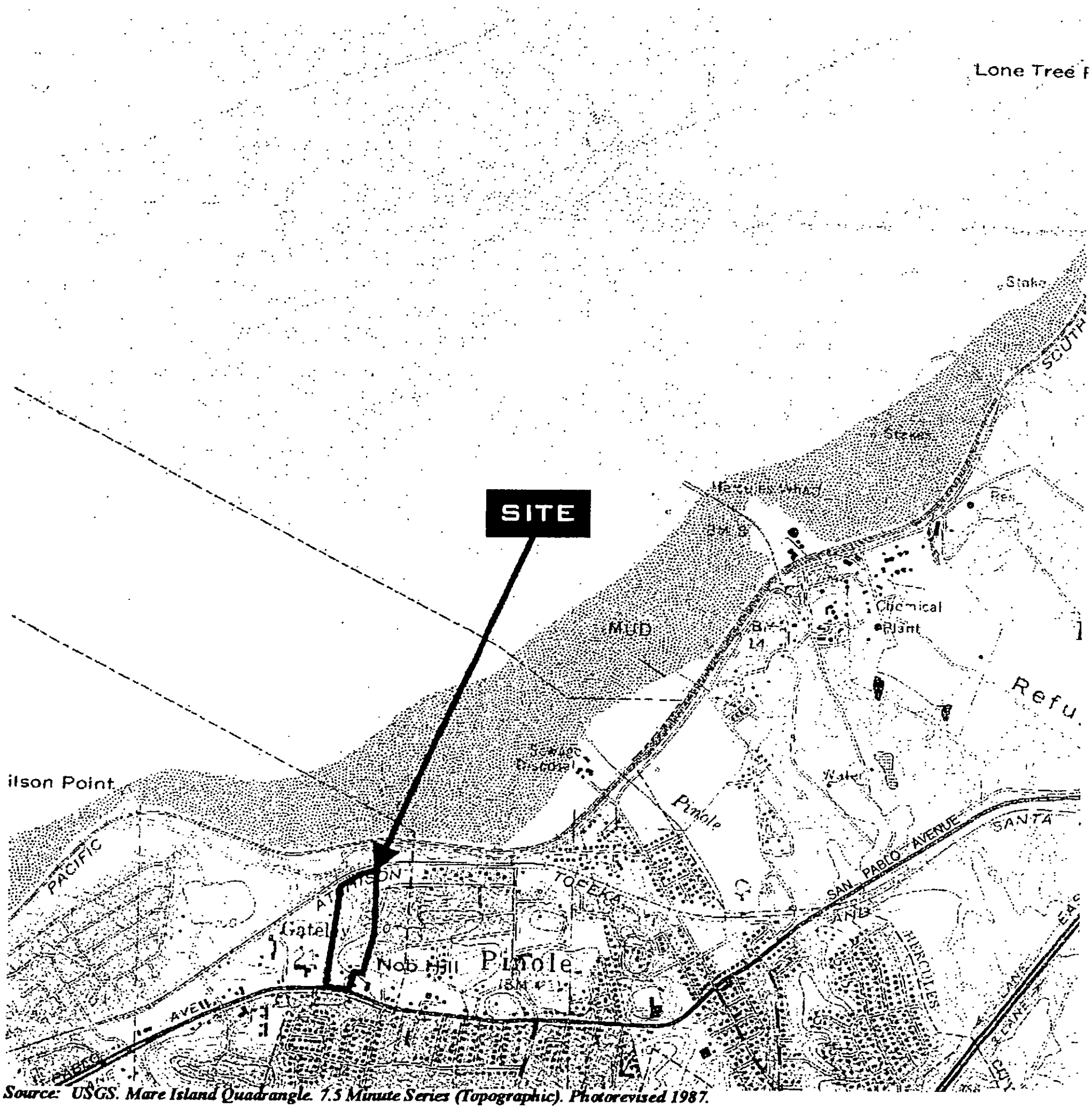
VOCs were analyzed by EPA method 8260. Only those compounds that were detected in one or more sample are listed on this table.

482270

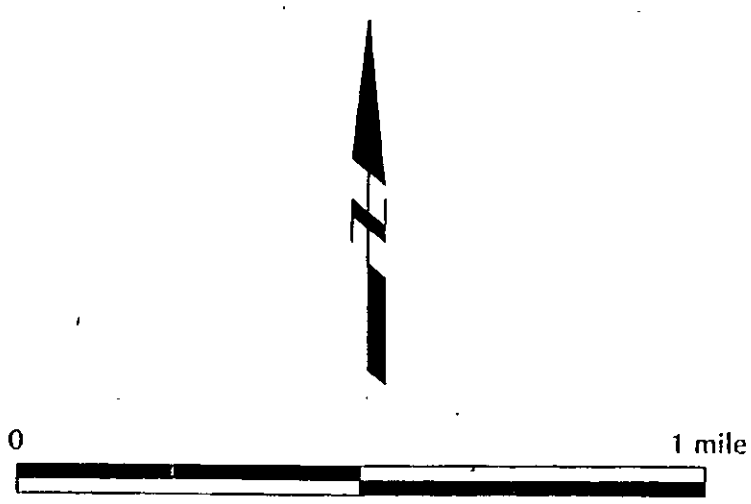
Table 2
Lead Concentrations in Soil
Anthony's Auto, Pinole, California
Concentrations in milligrams per kilogram (mg/kg)

Sample Location	Sample ID	Depth Interval	Lead (mg/kg)
LF-8	LF-8-0.5	0-0.5	27
	LF-8-2	1.5-2	29
LF-9	LF-9-1	0.5-1	410
	LF-9-2	1.5-2	25
LF-10	LF-10-0.5	0.5-1	98
	LF-10-2	1.5-2	8.5
LF-11	LF-11-0.5	0-0.5	19
	LF-11-2	1.5-2	1.7
LF-12	LF-12-0.5	0-0.5	6.6
	LF-12-2	1.5-2	5.4
LF-13	LF-13-0.5	0-0.5	940
	LF-13-2	1.5-2	5.0
LF-14	LF-14-0.5	0-0.5	210
	LF-14-2	1.5-2	270
LF-15	LF-15-0.5	0-0.5	9.4
	LF-15-2	1.5-2	2.7
LF-16	LF-16-0.5	0-0.5	52
	LF-16-2	1.5-2	2.3
LF-17	LF-17-0.5	0-0.5	36
	LF-17-2	1.5-2	2.1
LF-18	LF-18-0.5	0-0.5	63
	LF-18-2	1.5-2	2.0
LF-19	Not drilled		
LF-20	LF-20-0.5	0-0.5	19
	LF-20-2	1.5-2	120
LF-21	LF-21-0.5	0-0.5	38
	LF-21-2	1.5-2	160
LF-22	LF-22-0.5	0-0.5	9.0
	LF-22-2	1.5-2	2.5
LF-23	LF-23-0.5	0-0.5	82
	LF-23-2	1.5-2	5.3
LF-24	LF-24-0.5	0-0.5	31
	LF-24-1	0.5-1	140
	LF-24-2	1.5-2	62
LF-25	LF-25-0.5	0-0.5	110
	LF-25-2	1.5-2	42
LF-26	LF-26-0.5	0-0.5	57
	LF-26-2	1.5-2	12
LF-27	LF-27-0.5	0-0.5	44
	LF-27-2	1.5-2	2.6
LF-28	LF-28-0.5	0-0.5	160
	LF-28-2	1.5-2	3.4
LF-29	LF-29-0.5	0-0.5	85
	LF-29-2	1.5-2	3.1
LF-30	LF-30-0.5	0-0.5	1500
	LF-30-2	1.5-2	7.5
LF-31	LF-31-0.5	0-0.5	17
	LF-31-2	1.5-2	2.9
LF-32	LF-32-0.5	0-0.5	16
	LF-32-2	1.5-2	7.3
LF-33	LF-33-0.5	0-0.5	290
	LF-33-2	1.5-2	6.2
LF-34	LF-34-0.5	0-0.5	180
	LF-34-2	1.5-2	43
LF-35	LF-35-0.5	0-0.5	31
	LF-35-2	1.5-2	9.6
LF-44	LF-44-1	0.5-1	34

Data entered by TIH. Data proofed by LIU.



Source: USGS. Mare Island Quadrangle. 7.5 Minute Series (Topographic). Photorevised 1987.



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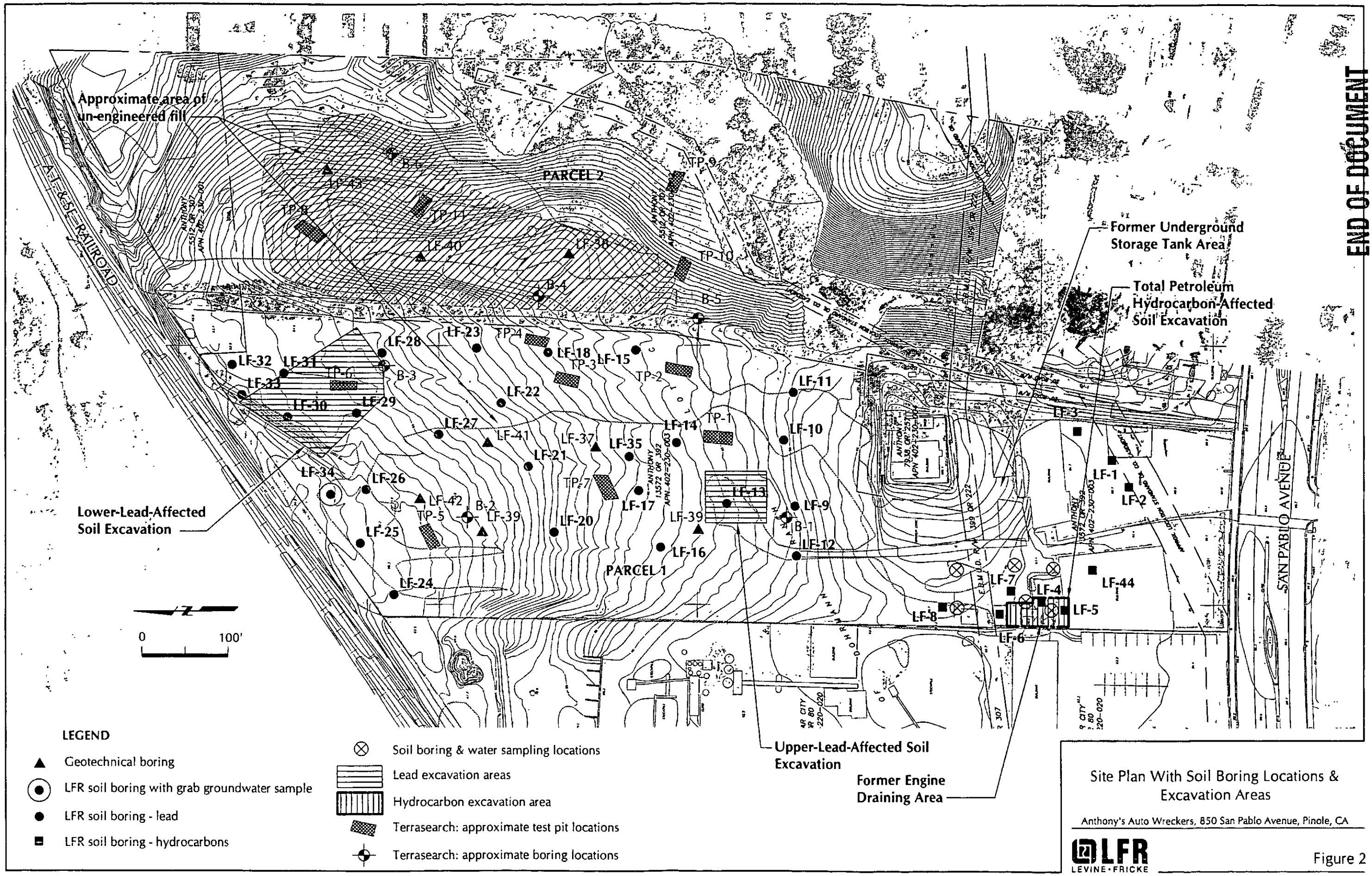
Site Vicinity Map

Anthony's Auto Wreckers, 850 San Pablo Avenue, Pinole, CA

LFR
LEVINE•FRICKE

Figure 1

END OF DOCUMENT



Site Plan With Soil Boring Locations & Excavation Areas

Anthony's Auto Wreckers, 850 San Pablo Avenue, Pinole, CA

LFR LEVINE•FRICKE

Figure 2

J:\ENGCAD\8171\8171SB002_BACKUP.DWG, Figure 2, 10/03/2002 03:41:19 PM

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STORMWATER CONTROL PLAN (SWCP)

CITY OF PINOLE

PROJECT NAME & OWNER

PINOLE SHORES PHASE II
GRP SHORES, LLC

PROJECT LOCATION

PINOLE SHORES BUSINESS PARK, PHASE II
830 – 848 SAN PABLO AVENUE

PREPARED FOR

JOHN DIEMER
GRP SHORES, LLC
2350 N. UNIVERSITY DRIVE #848300
PEMBROKE PINES, FLORIDA 33024

PREPARED BY

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825 SAN PABLO AVENUE
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PREPARED: DECEMBER 7, 2021

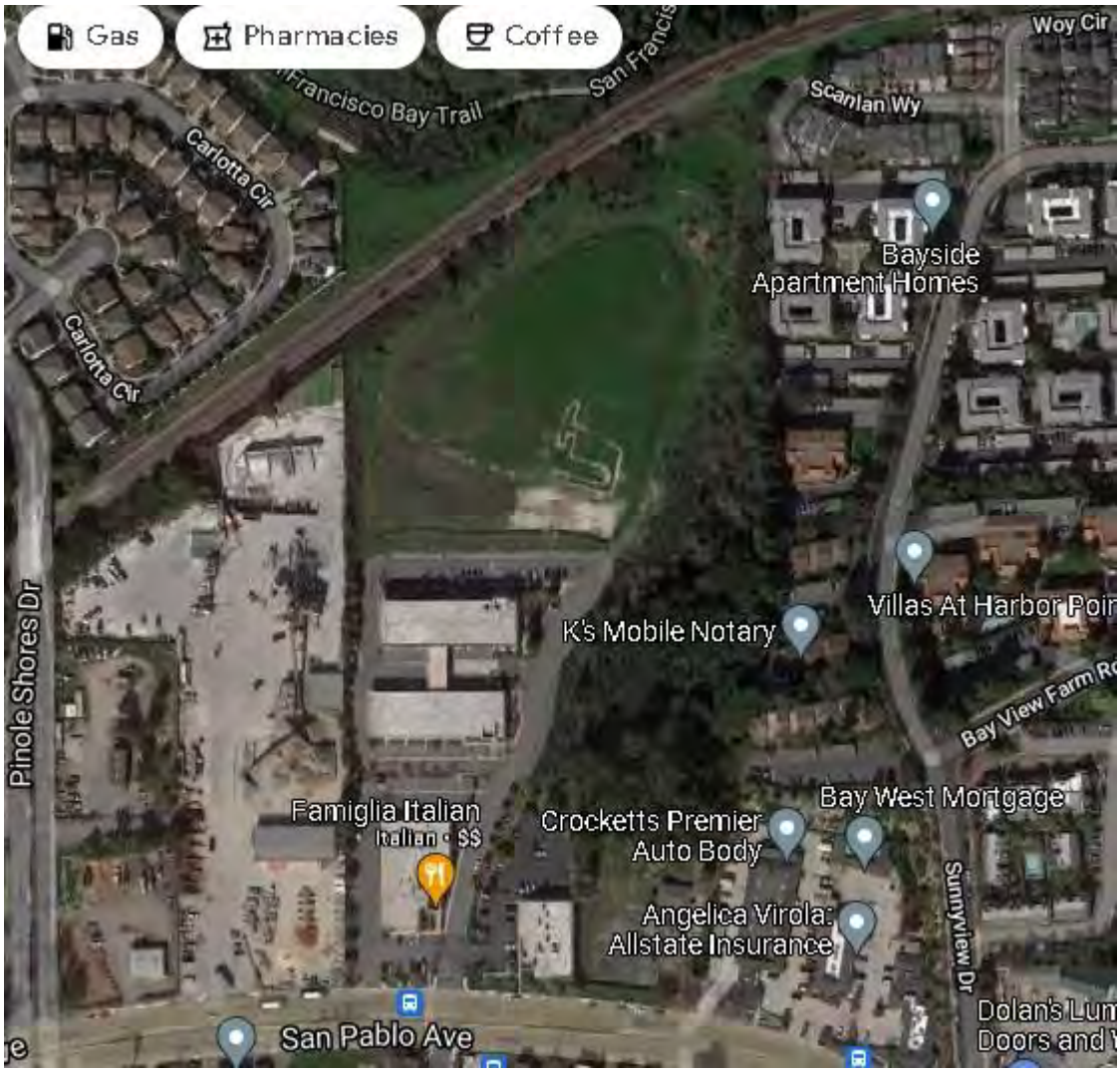

TABLE OF CONTENTS

Section		Page
I.	**Project Data**	**1**
II.	**Setting**	**1**
	A. Project Location and Description	1
	B. Existing Site Features and Conditions	1
	C. Opportunities and Constraints for Stormwater Control	2
III.	**Low Impact Development Design Strategies**	**2**
	A. Optimization of Site Layout	2
	1. Limitation of development envelope	
	2. Preservation of natural drainage features	
	3. Setbacks from creeks, wetlands, and riparian habitats	
	4. Minimization of imperviousness	
	5. Use of drainage as a design element	
	B. Use of Permeable Pavements	2

C. Dispersal of Runoff to Pervious Areas 3
D. Bioretention or other Integrated Management Practices 3

IV. Documentation of Drainage Design 3
A. Descriptions of each Drainage Management Area 3
1. Table of Drainage Management Areas
2. Drainage Management Area Descriptions
B. Integrated Management Practice Descriptions 5
C. Tabulation and Sizing Calculations
1. Contra Costa IMP Calculator Summary Report 6 - 10

V. Source Control Measures 11
A. Site Activities and potential sources of pollutants 11
B. Source Control Table 11
C. Features, Materials, and Methods of Construction of Source Control BMP's 12

VI. Stormwater Facility Maintenance 12
A. Ownership and Responsibility for Maintenance in Perpetuity 12
B. Summary of Maintenance Requirements for Each Stormwater Facility 12

VII. Construction Plan C.3 Checklist 13

VIII. Certifications 13

Tables & Figures
Table 1 - Project Data 1
Grading, Drainage & Utility Plans/Stormwater Control Plan Insert

Table 1 – Project Data

Project Name/Number	One Corp Pinole Shores Phase II
Application Submittal Date	December 8, 2021
Project Location	830 - 848 San Pablo Avenue, Pinole, CA
Name of Developer/Owner	GRP SHORES, LLC
Project Phase No.	2 of 2
Project Type and Description	Phase 2 – Building #1 – 37,482 square feet & Building #2 – 80,461 square feet
Project Watershed	San Francisco Bay
Total Project Site Area (acres)	7.37 Acres
Total Area of Land Disturbed (acres)	6.10 Acres
Total New Impervious Surface Area (sq. ft.)	234,245 square feet
Total Replaced Impervious Surface Area	0 sf
Total Pre-Project Impervious Surface Area	0 sf
Total Post-Project Impervious Surface Area	234,245 square feet
50% Rule	Applies
Project Density	N/A
Applicable Special Project Categories	None
Percent LID and non-LID treatment	100% of stormwater runoff of impervious surfaces will be treated by on-site Bioretention facilities
HMP Compliance	Applies – more than one acre of impervious surfaces

II. SETTING

A. Project Location & Description

The Project Site is located at 830 - 848 San Pablo Avenue, at the intersection of San Pablo Avenue and Meadow Avenue in Pinole, California. The subject parcel is bounded by BNSF Railroad to the north, Sugar City Building Materials property to the west and multi-family parcels to the east. The area of the subject parcel, Assessor's Parcel Numbers 402-230-015 thru 018 & 020, is 320,959 square feet, 7.37 acres, and is irregular in shape. The zoning for the subject parcels is Office Industrial Mixed Use (OIMU) with a “Three Corridors Specific Plan Area” overlay as well as being zoned for Planned Development. Phase 1 of the Pinole Shores Business Park was constructed more than a decade ago and features four existing buildings on the southern half of the Business Park. Phase 2 of the Business Park contains the Project Site and will feature two new buildings: Building 1 will contain approximately 37,482 square feet, featuring two dock high doors and building 2 will contain 80,461 square feet, featuring seven dock high doors. Access to the Project Site will be from the main driveway on San Pablo Avenue at the northern extension of Meadow Avenue. The main access road being served by the main driveway runs north to the Project Site. The preliminary design of Phase II will incorporate a looped main access road around both proposed Phase II buildings, connecting to the northerly east-west access road of Phase I. The approximate area of new and existing impervious construction is 234,245 square feet.

B. Existing Site Features and Description

The Project Site has been vacant for more than a decade since the construction of Phase I of the Pinole Shores Business Park. Approximately half of the Project Site, 3.7 acres, in the middle portion of the property is fairly level, sloping approximately 1.5% from the southern property line down to the northern portion of the property. The existing topography on the west, north and east sides of the level middle portion of the property slopes approximately 3:1 or flatter, downhill towards the respective property lines. The elevation of the existing east-west row of parking along the south property line of the Project Site is approximately elevation 78. The high point of the Project Site at the southwest corner of the site is approximately elevation 90 and the low point is at approximately elevation 37 near the northeast corner of the Project Site.

During construction of the Phase I improvements, storm drainage and sanitary sewer improvements were installed along the unimproved Phase II loop road. The phase II improvements will connect proposed sanitary sewer laterals into this existing sanitary sewer main along the east side of the loop road.

All Phase I storm drainage improvements along the unimproved Phase II loop road are still intact. Several of these structures will be utilized for the new Phase II improvements.

Phase I underground utility improvements, such as PG&E gas and electric, as well as EBMUD water mains were not installed in the Phase II Project Site. These utilities were installed up to the common property line between the two phases and will need to be extended into Phase II to service the two proposed buildings.

An updated geotechnical investigation will be performed for the proposed Phase II project and will include a review of on-site soils, and design grading & foundation recommendations. The geotechnical investigation will likely reveals the site contains clayey soils. This soil type has a very low infiltration rate.

C. Opportunities and Constraints for Stormwater Control

Treatment of stormwater runoff from the Phase II Project Site is to be provided. The total post-project impervious surface area will be approximately 234,245 square feet. This project will require stormwater management facilities that provide hydrograph modification benefits because the project will be creating more than one acre of impervious surfacing. There is an existing Mechanical Stormwater Vault in the northeast corner of the proposed Phase II loop road. This vault was installed as part of the Phase I improvements and provides stormwater quality for the Phase I improvements. The Phase II improvements will not rely on this Mechanical Stormwater Vault. However, this vault will remain in place to continue to provide stormwater quality for the Phase I improvements.

Disposal of runoff to deep infiltration is not feasible on this site due to the low permeability of the clay soils.

III. LOW IMPACT DEVELOPMENT DESIGN STRATEGIES

A. Optimization of Site Layout

1. Limitation of development envelope. The Project Site is defined by the proposed loop road that was designed as part of the Phase I improvements of the Pinole Shores Business Park. Storm Drain and Sanitary Sewer improvements were installed within the proposed loop road during the Phase I improvements. Phase II improvements will be installed within the development envelope that is defined by proposed loop road. Existing slopes on the west, north and east sides of the proposed development will be maintained.

2. Preservation of natural drainage features. There are no natural drainage features on the subject parcel. There is an existing drainage swale east of the Project Site on an adjacent parcel but will not be impacted by this development.

3. Setbacks from creeks, wetlands, and riparian habitats. There are no wetlands or riparian habitats on the subject parcel.

4. Minimization of Imperviousness. The proposed total impervious area (including roofs, concrete walkways and asphalt concrete paving) is 234,245 square feet or 73% of the 7.37 acres of the subject parcel. The architectural design attempts to create a compact site of new improvements towards the center of the parcel within the development envelope created by the proposed loop road designed in Phase I.

5. Use of drainage as a design element. The project design and grading set out to maximize the total area that receives stormwater treatment.

B. Use of Permeable Pavements

Due to soil constraints listed above, permeable pavements will not be incorporated into the Project Site.

C. Dispersal of Runoff to Pervious Areas

No stormwater runoff from impervious areas will be directed to pervious areas of the Project Site.

D. Bioretention or other Integrated Management Practices

Seventeen Integrated Management Practice (IMP) facilities are proposed for the Project Site. All are In-Ground Vegetated Flow-Through Planter Bioswales.

IV. DOCUMENTATION OF DRAINAGE DESIGN

A. Descriptions of each Drainage Management Area

1. Table of Drainage Management Areas

DMA Name	*Surface Type*	*Area (square feet)*
DMA A1	*Concrete/Asphalt*	*4,800*
DMA A2	*Landscaping*	*180*
DMA B1	*Roof*	*6,600*
DMA C1	*Roof*	*11,440*
DMA D1	*Roof*	*11,440*
DMA E1	*Concrete/Asphalt*	*4,195*
DMA E2	*Landscaping*	*390*
DMA F1	*Roof*	*10,600*
DMA G1	*Roof*	*16,320*
DMA H1	*Concrete/Asphalt*	*16,420*
DMA H2	*Landscaping*	*3,550*
DMA I1	*Roof*	*20,640*
DMA J1	*Concrete/Asphalt*	*34,140*
DMA J2	*Landscaping*	*1,635*
DMA K1	*Roof*	*22,400*
DMA K2	*Concrete/Asphalt*	*9,655*
DMA K3	*Landscaping*	*2,240*
DMA L1	*Roof*	*4,010*
DMA M1	*Roof*	*5,450*
DMA N1	*Roof*	*3,120*
DMA O1	*Concrete/Asphalt*	*52,965*
DMA O2	*Landscaping*	*6,244*

DMA A1: Totaling 4,800 square feet. This is new asphalt concrete pavement at the south/southwest side of Building #2. DMA A1 drains to IMP A – Bioretention Facility.

DMA A2: Totaling 180 square feet. This is new landscaping along the south/southwest side of Building #2. DMA A2 drains to IMP A – Bioretention Facility.

DMA B1: Totaling 6,600 square feet. This is roof area in the southwest portion of Building #2. DMA B1 drains to IMP B – Bioretention Facility.

DMA C1: Totaling 11,440 square feet. This roof area in the southwest portion of Building #2 (east of DMA B1). DMA C1 drains to IMP C1 & C2 – Bioretention Facilities.

DMA D1: Totaling 11,440 square feet. This roof area in the southeast portion of Building #2 (east of DMA C1). DMA D1 drains to IMP D1 & D2 – Bioretention Facilities.

DMA E1: Totaling 4,195 square feet. This is new asphalt concrete pavement at the south/southeast side of Building #2. DMA E1 drains to IMP E – Bioretention Facility.

DMA E2: Totaling 390 square feet. This is new landscaping along the south/southeast side of Building #2. DMA E2 drains to IMP E – Bioretention Facility.

DMA F1: Totaling 10,650 square feet. This roof area in the southeast portion of Building #2. DMA F1 drains to IMP F – Bioretention Facility.

DMA G1: Totaling 16,320 square feet. This roof area in the northeast portion of Building #2. DMA G1 drains to IMP G – Bioretention Facility.

DMA H1: Totaling 16,420 square feet. This is new asphalt concrete pavement at the west/northwest side of Building #2. DMA H1 drains to IMP H – Bioretention Facility.

DMA H2: Totaling 3,550 square feet. This is new landscaping along the west/northwest side of Building #2. DMA H2 drains to IMP H – Bioretention Facility.

DMA I1: Totaling 20,640 square feet. This is roof area in the northwest portion of Building #2. DMA I1 drains to IMP I – Bioretention Facility.

DMA J1: Totaling 34,140 square feet. This is new asphalt concrete pavement at the north side of Building #2 and west/southwest side of Building #1. DMA J1 drains to IMP J – Bioretention Facility.

DMA J2: Totaling 1,635 square feet. This is new landscaping along the north side of Building #2 and west/southwest side of Building #1. DMA J2 drains to IMP H – Bioretention Facility.

DMA K1: Totaling 22,400 square feet. This is roof area in the south portion of Building #1. DMA K1 drains to IMP K – Bioretention Facility.

DMA K2: Totaling 9,655 square feet. This is new asphalt concrete pavement at the northwest side of Building #1. DMA K2 drains to IMP K – Bioretention Facility.

DMA K3: Totaling 3,200 square feet. This is new landscaping along the northwest side of Building #1. DMA K3 drains to IMP K – Bioretention Facility.

DMA L1: Totaling 4,010 square feet. This is roof area in the north/northwest portion of Building #1. DMA L1 drains to IMP L – Bioretention Facility.

DMA M1: Totaling 5,450 square feet. This is roof area in the north/northeast portion of Building #1. DMA M1 drains to IMP M – Bioretention Facility.

DMA N1: Totaling 3,120 square feet. This is roof area in the east portion of Building #1. DMA N1 drains to IMP N – Bioretention Facility.

DMA O1: Totaling 52,965 square feet. This is new asphalt concrete pavement along the east side of Building #2 and the north and east sides of Building #1. DMA O1 drains to IMP O – Bioretention Facility.

DMA O2: Totaling 8,920 square feet. This is new landscaping along the east side of Building #2 and the north and east sides of Building #1. DMA O2 drains to IMP O – Bioretention Facility.

DMA X1: Totaling 56,812 square feet. This Self-Treating area is the undeveloped existing ground surface on the west, north and east sides of the proposed loop road.

B. Integrated Management Practice Descriptions

Integrated Management Practice (IMP) facilities – Flow Through Planters - are proposed for the Project Site. The Planters will incorporate the following features:

- Surrounded by a concrete curb/wall on all 4 sides
- Each layer built flat, level, and to the elevations specified in the plans:
  - o Bottom of Gravel Layer (BGL)
  - o Top of Gravel Layer (TGL)
  - o Top of Soil Layer (TSL)
  - o Overflow Grate
  - o Facility Rim
- 12 inches, minimum, Class 2 permeable drain rock, Caltrans specification 68-2.02F(3).
- 18 inches sand/compost mix meeting the specifications approved by the Regional Water Quality Control Board in April 2016.
- 6 in. dia. PVC SDR 35 perforated pipe underdrain, installed with the invert at the bottom of the Class 2 permeable layer with holes facing down, and connected to the overflow structure
- 6-inch-deep reservoir between top of soil elevation and overflow grate elevation
- Concrete drop inlet with frame overflow structure, with grate set to specified elevation
- Plantings selected for water conservation
- Irrigation system with drip emitters and “smart” irrigation controllers

C. Tabulation and Sizing Calculations

Information Summary for IMP Design

Total Project Area (Square feet)	320,959
Mean Annual Precipitation	21 inches
IMPs Designed For:	Treatment plus flow control

Areas Draining to IMPs

IMP Type: Flow-Through Planter – IMP A
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
A1	4,800	Concrete or Asphalt	1.00	4,800
A2	180	Landscape	0.70	126
			Total	4,926

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	238	238
Surface Volume	0.042	0.965	200	200
Subsurface Volume	0.055	0.965	261	262

Maximum Underdrain Flow (cfs)	0.01
Orifice Diameter (in)	0.59

IMP Type: Flow-Through Planter – IMP B
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
B1	6,600	Conventional Roof	1.00	6,600
			Total	6,600

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	318	320
Surface Volume	0.042	0.965	267	268
Subsurface Volume	0.055	0.965	350	351

Maximum Underdrain Flow (cfs)	0.01
Orifice Diameter (in)	0.68

IMP Type: Flow-Through Planter – IMP C1 & C2
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
C1	11,440	Conventional Roof	1.00	11,440
			Total	11,440

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	552	575
Surface Volume	0.042	0.965	464	465
Subsurface Volume	0.055	0.965	607	608

Maximum Underdrain Flow (cfs)	0.02
Orifice Diameter (in)	0.90

IMP Type: Flow-Through Planter – IMP D1 & D2
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
D1	11,440	Conventional Roof	1.00	11,440
			Total	11,440

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	552	575
Surface Volume	0.042	0.965	464	465
Subsurface Volume	0.055	0.965	607	608

Maximum Underdrain Flow (cfs) 0.02

Orifice Diameter (in) 0.90

IMP Type: Flow-Through Planter – IMP E
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
E1	4,195	Concrete or Asphalt	1.00	4,195
E2	390	Landscape	0.70	273
			Total	4,468

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	216	216
Surface Volume	0.042	0.965	181	182
Subsurface Volume	0.055	0.965	237	238

Maximum Underdrain Flow (cfs) 0.01

Orifice Diameter (in) 0.57

IMP Type: Flow-Through Planter – IMP F
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
F1	10,650	Conventional Roof	1.00	10,650
			Total	10,650

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	514	520
Surface Volume	0.042	0.965	432	432
Subsurface Volume	0.055	0.965	565	566

Maximum Underdrain Flow (cfs) 0.02

Orifice Diameter (in) 0.87

IMP Type: Flow-Through Planter – IMP G
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
G1	16,320	Conventional Roof	1.00	16,320
			Total	16,320

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	787	795
Surface Volume	0.042	0.965	661	662
Subsurface Volume	0.055	0.965	866	867

Maximum Underdrain Flow (cfs) 0.03

Orifice Diameter (in) 1.07

IMP Type: Flow-Through Planter – IMP H
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
H1	16,420	Concrete or Asphalt	1.00	16,420
H2	3,550	Landscape	0.70	2,485
			Total	18,905

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	912	915
Surface Volume	0.042	0.965	766	767
Subsurface Volume	0.055	0.965	1,003	1,004

Maximum Underdrain Flow (cfs) 0.04

Orifice Diameter (in) 1.19

IMP Type: Flow-Through Planter – IMP I
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
I1	20,640	Conventional Roof	1.00	20,640
			Total	20,640

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	996	1,010
Surface Volume	0.042	0.965	836	837
Subsurface Volume	0.055	0.965	1,095	1,096

Maximum Underdrain Flow (cfs) 0.04

Orifice Diameter (in) 1.21

IMP Type: Flow-Through Planter – IMP J
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
J1	34,140	Concrete or Asphalt	1.00	34,140
J2	1,635	Landscape	0.70	1,145
			Total	35,285

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	1,702	1,703
Surface Volume	0.042	0.965	1,430	1,430
Subsurface Volume	0.055	0.965	1,872	1,873

Maximum Underdrain Flow (cfs)	0.07
Orifice Diameter (in)	1.59

IMP Type: Flow-Through Planter – IMP K
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
K1	22,400	Conventional Roof	1.00	22,400
K2	9,655	Concrete or Asphalt	1.00	9,655
K3	3,200	Landscape	0.70	2,240
			Total	34,295

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	1,654	1,665
Surface Volume	0.042	0.965	1,390	1,390
Subsurface Volume	0.055	0.965	1,820	1,820

Maximum Underdrain Flow (cfs)	0.07
Orifice Diameter (in)	1.58

IMP Type: Flow-Through Planter – IMP L
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
L1	4,010	Conventional Roof	1.00	4,010
			Total	4,010

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	193	205
Surface Volume	0.042	0.965	162	163
Subsurface Volume	0.055	0.965	213	213

Maximum Underdrain Flow (cfs)	0.01
Orifice Diameter (in)	0.53

IMP Type: Flow-Through Planter – IMP M
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
M1	5,450	Conventional Roof	1.00	5,450
			Total	5,450

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	263	265
Surface Volume	0.042	0.965	221	221
Subsurface Volume	0.055	0.965	289	290

Maximum Underdrain Flow (cfs) 0.01

Orifice Diameter (in) 0.62

IMP Type: Flow-Through Planter – IMP N
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
N1	3,120	Conventional Roof	1.00	3,120
			Total	3,120

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	151	168
Surface Volume	0.042	0.965	126	127
Subsurface Volume	0.055	0.965	166	166

Maximum Underdrain Flow (cfs) 0.01

Orifice Diameter (in) 0.47

IMP Type: Flow-Through Planter – IMP O
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor
O1	52,965	Concrete or Asphalt	1.00	52,965
O2	8,920	Landscape	0.70	6,244
			Total	59,209

	IMP Sizing Factor	Rain Adjust-ment Factor	Minimum Area or Volume	Proposed Area or Volume
Area	0.050	0.965	2,856	2,857
Surface Volume	0.042	0.965	2,399	2,400
Subsurface Volume	0.055	0.965	3,142	3,143

Maximum Underdrain Flow (cfs) 0.12

Orifice Diameter (in) 2.09

V. SOURCE CONTROL MEASURES

A. Site Activities and potential sources of pollutants

The following activities planned for the project have potential to allow pollutants to enter runoff:

1) On-site drain inlets
2) Refuse disposal
3) Landscape maintenance
4) Fertilizers and pesticides used in landscaping area

To further reduce the potential to enter runoff, permanent and operational BMP's will be implemented as described in the following Table.

B. Source Control Table

Potential source of runoff pollutants	*Permanent source control BMPs*	*Operational source control BMPs*
On-site drain inlets	Inlets that could be accessed from paved areas, sidewalks and landscaped areas will be marked with a "No Dumping – Drains to Bay	• Inlet markings will be inspected annually and replaced or renewed as needed • Owners will receive stormwater pollution prevention information to be provided by the City • Bioretention and related structures and features will be inspected and maintained as specified in the BMP Operation and Maintenance Plan
Refuse areas	All dumpsters will be marked with a "Do not dump Hazardous Materials here" or similar	• Adequate litter receptacles will be provided throughout the project site • Groundskeeping crew or contractor will inspect and clean up daily. Spills will be cleaned up using dry methods
Landscaping/outdoor pesticide use	• Landscaping will be designed to minimize required irrigation and runoff, to promote surface infiltration, and to minimize the use of fertilizers and pesticides that can contribute to storm water pollution • Plants will be selected appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant management	• All site landscaping is to be maintained by a professional landscaping contractor. Contract to state that landscaping is to be maintained using IPM principles, with minimal or no use of pesticides • Owners will receive integrated pest management information

	• Plantings for swales will be selected to be appropriate to anticipated soil and moisture conditions	
Interior floor drains/interior parking garage	• Interior floor/parking garage drains will be plumbed to sanitary sewer	• Inspect and maintain drains to prevent blockages and overflow
Sidewalks and parking lots		• Sweep sidewalks and parking lots regularly to prevents accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect wash water containing any cleaning agent or degreaser and discharge to the sanitary sewer not a storm drain

C. Features, Materials, and Methods of Construction of Source Control BMP's

VI. STORM WATER FACILITY MAINTENANCE

A. Ownership and Responsibility for Maintenance in Perpetuity

All stormwater treatment facilities in this plan will be owned and maintained in perpetuity by the property owner, General Realty. The contractor, if different from the property owner, accepts responsibility for interim operation and maintenance of the facilities until such time as this responsibility is formally transferred to the property owner.

The property owner, General Realty, is required to provide a Stormwater Control Operation and Maintenance (O&M) Plan for review of the City of Pinole, and record an Operation and Maintenance Agreement, including and necessary rights-of-way, prior to issuance of a building permit. Additionally, the property owner will be required to annex into any financing mechanisms formed to ensure that all costs associated with the perpetual Operation & Maintenance, administration and reporting of these water quality features (including costs associated with all required City of Pinole administration and reporting) are paid for by the property owner.

B. Summary of Maintenance Requirements for each Stormwater Facility

Bioretention and related facilities remove pollutants primarily by filtering runoff slowly through an active layer of soil. Routine maintenance is needed to ensure that flow is unobstructed, that erosion is prevented, and that soils are held together by plant roots and are biologically active. Typical routine maintenance consists of the following:

1) Inspect inlets, exposure of soils, or other evidence of erosion. Clear any obstructions and remove any accumulations of sediment. Examine rock or other material used as a splash pad and replenish if necessary.

2) Inspect outlets for erosion or plugging.

3) Examine the vegetation to insure that it is healthy and dense enough to provide filtering and to protect soils from erosion. Replenish mulch as necessary, remove fallen leaves and debris, prune large shrubs or trees, and mow turf areas. Confirm that irrigation is adequate and not excessive. Replace dead plants and remove invasive vegetation.

4) Observe soil at the bottom of the bioretention planter or filter for uniform percolation throughout. If portions of the swale or filter do not drain within 48 hours after the end of the storm, the soil should be tilled and replanted. Remove any debris or accumulations of sediment.

5) Abate any potential vectors by filling in the ground and around swale and by ensuring that there are no areas where water stands longer than 48 hours following a storm. If mosquito larvae are present and persistent contact the County Vector Control District for information and advice. Mosquito larvicides should be applied only when absolutely necessary and then only by a licensed individual or contractor.

VII. CONSTRUCTION PLAN C.3 CHECKLIST

STORMWATER CONTROL PLAN REFERENCE	BMP DESCRIPTION	PLAN SHEET NUMBER
CCCo IMP Summary Report Bioretention Detail & Exhibit	Vegetated Flow-Through Planter Bioswale Detail	Civil Sheets C2.01 & C2.02
Source Control Table V.B.	On-site drain inlets to be marked With “no dumping” message	Stormwater Control Plan
Source Control Table V.B.	Plant selection to minimize irrigation, minimize use of fertilizers and pesticides, and for pest resistance.	Landscape Plans
Source Control Table V.B.	Adequate litter receptacles throughout project area	Architectural Plans

VIII. OWNER’S CERTIFICATION

The selection, sizing, and preliminary design of stormwater treatment and other control measures in this plan meet the requirements of Regional Water Quality Control Board Order R2-2015-0049.

830-848 SAN PABLO AVENUE WAREHOUSE DEVELOPMENT PROJECT NOISE AND VIBRATION ASSESSMENT

Pinole, California

April 22, 2024

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INTRODUCTION

The project site is located about 700 feet north of San Pablo Avenue on a single vacant parcel that is 7.37 acres located at 830-848 San Pablo Avenue. The project proposes to construct a single light industrial building totaling approximately 119,226 square feet (sf). The project would include 18 loading docks located along the southeastern façade of the proposed building. To provide shielding for the nearest neighbors to the east, a 10-foot sound wall located along the eastern edge of the access driveway is planned as part of the project.

This report evaluates the project's potential to result in significant impacts with respect to applicable California Environmental Quality Act (CEQA) guidelines. The report is divided into three sections: 1) the Setting Section provides a brief description of the fundamentals of environmental noise and groundborne vibration, summarizes applicable regulatory criteria, and discusses ambient noise conditions in the project vicinity; 2) the Plan Consistency Analysis section discusses noise and land use compatibility utilizing policies in the City's General Plan; and 3) the Impacts and Mitigation Measures Section describes the significance criteria used to evaluate project impacts, provides a discussion of each project impact, and presents mitigation measures, where necessary, to mitigate project impacts to a less-than-significant level.

SETTING

Fundamentals of Environmental Noise

Noise may be defined as unwanted sound. Noise is usually objectionable because it is disturbing or annoying. The objectionable nature of sound could be caused by its *pitch* or its *loudness*. *Pitch* is the height or depth of a tone or sound, depending on the relative rapidity (*frequency*) of the vibrations by which it is produced. Higher pitched signals sound louder to humans than sounds with a lower pitch. *Loudness* is the intensity of sound waves combined with the reception characteristics of the ear. Intensity may be compared with the height of an ocean wave in that it is a measure of the amplitude of the sound wave.

In addition to the concepts of pitch and loudness, there are several noise measurement scales which are used to describe noise in a particular location. A *decibel (dB)* is a unit of measurement which indicates the relative amplitude of a sound. The zero on the decibel scale is based on the lowest sound level that the healthy, unimpaired human ear can detect. Sound levels in decibels are calculated on a logarithmic basis. An increase of 10 decibels represents a ten-fold increase in acoustic energy, while 20 decibels is 100 times more intense, 30 decibels is 1,000 times more intense, etc. There is a relationship between the subjective noisiness or loudness of a sound and its intensity. Each 10 decibel increase in sound level is perceived as approximately a doubling of loudness over a fairly wide range of intensities. Technical terms are defined in Table 1.

There are several methods of characterizing sound. The most common in California is the *A-weighted sound level (dBA)*. This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Representative outdoor and indoor noise levels in units of dBA are shown in Table 2. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the

variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events. This *energy-equivalent sound/noise descriptor* is called L_{eq}. The most common averaging period is hourly, but L_{eq} can describe any series of noise events of arbitrary duration.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends upon the distance the receptor is from the noise source. Close to the noise source, the models are accurate to within about plus or minus 1 to 2 dBA.

Since the sensitivity to noise increases during the evening and at night -- because excessive noise interferes with the ability to sleep -- 24-hour descriptors have been developed that incorporate artificial noise penalties added to quiet-time noise events. The *Community Noise Equivalent Level* (*CNEL*) is a measure of the cumulative noise exposure in a community, with a 5 dB penalty added to evening (7:00 pm - 10:00 pm) and a 10 dB addition to nocturnal (10:00 pm - 7:00 am) noise levels. The *Day/Night Average Sound Level* (*DNL* or L_{dn}) is essentially the same as CNEL, with the exception that the evening time period is dropped and all occurrences during this three-hour period are grouped into the daytime period.

Effects of Noise

Sleep and Speech Interference

The thresholds for speech interference indoors are about 45 dBA if the noise is steady and above 55 dBA if the noise is fluctuating. Outdoors the thresholds are about 15 dBA higher. Steady noises of sufficient intensity (above 35 dBA) and fluctuating noise levels above about 45 dBA have been shown to affect sleep. Interior residential standards for multi-family dwellings are set by the State of California at 45 dBA DNL. Typically, the highest steady traffic noise level during the daytime is about equal to the DNL and nighttime levels are 10 dBA lower. The standard is designed for sleep and speech protection and most jurisdictions apply the same criterion for all residential uses. Typical structural attenuation is 12 to 17 dBA with open windows. With closed windows in good condition, the noise attenuation factor is around 20 dBA for an older structure and 25 dBA for a newer dwelling. Sleep and speech interference is therefore possible when exterior noise levels are about 57 to 62 dBA DNL with open windows and 65 to 70 dBA DNL if the windows are closed. Levels of 55 to 60 dBA are common along collector streets and secondary arterials, while 65 to 70 dBA is a typical value for a primary/major arterial. Levels of 75 to 80 dBA are normal noise levels at the first row of development outside a freeway right-of-way. In order to achieve an acceptable interior noise environment, bedrooms facing secondary roadways need to be able to have their windows closed, those facing major roadways and freeways typically need special glass windows.

Annoyance

Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that the causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The DNL as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. When measuring the percentage of the population highly annoyed, the threshold for ground vehicle noise is about 50 dBA DNL. At a DNL of about 60 dBA, approximately 12 percent of the population is highly annoyed. When the DNL increases to 70 dBA, the percentage of the population highly annoyed increases to about 25 to 30 percent of the population. There is, therefore, an increase of about 2 percent per dBA between a DNL of 60 to 70 dBA. Between a DNL of 70 to 80 dBA, each decibel increase increases by about 3 percent the percentage of the population highly annoyed. People appear to respond more adversely to aircraft noise. When the DNL is 60 dBA, approximately 30 to 35 percent of the population is believed to be highly annoyed. Each decibel increase to 70 dBA adds about 3 percentage points to the number of people highly annoyed. Above 70 dBA, each decibel increase results in about a 4 percent increase in the percentage of the population highly annoyed.

TABLE 1 Definition of Acoustical Terms Used in this Report

Term	Definition
Decibel, dB	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20 micro Pascals.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micro Pascals (or 20 micro Newtons per square meter), where 1 Pascal is the pressure resulting from a force of 1 Newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e. g., 20 micro Pascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hz	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and Ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average A-weighted noise level during the measurement period.
L_{max}, L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L_{01}, L_{10}, L_{50}, L_{90}	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	The average A-weighted noise level during a 24-hour day, obtained after addition of 10 decibels to levels measured in the night between 10:00 pm and 7:00 am.
Community Noise Equivalent Level, CNEL	The average A-weighted noise level during a 24-hour day, obtained after addition of 5 decibels in the evening from 7:00 pm to 10:00 pm and after addition of 10 decibels to sound levels measured in the night between 10:00 pm and 7:00 am.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Source: Handbook of Acoustical Measurements and Noise Control, Harris, 1998.

TABLE 2 Typical Noise Levels in the Environment

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110 dBA	Rock band
Jet fly-over at 1,000 feet		
	100 dBA	
Gas lawn mower at 3 feet		
	90 dBA	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80 dBA	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawn mower, 100 feet	70 dBA	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	60 dBA	
		Large business office
Quiet urban daytime	50 dBA	Dishwasher in next room
Quiet urban nighttime	40 dBA	Theater, large conference room
Quiet suburban nighttime		
	30 dBA	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20 dBA	
		Broadcast/recording studio
	10 dBA	
	0 dBA	

Source: Technical Noise Supplement (TeNS), California Department of Transportation, September 2013.

Fundamentals of Groundborne Vibration

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One method is the Peak Particle Velocity (PPV). The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. In this report, a PPV descriptor with units of mm/sec or in/sec is used to evaluate construction generated vibration for building damage and human complaints. Table 3 displays the reactions of people and the effects on buildings that continuous or frequent intermittent vibration levels produce. The guidelines in Table 3 represent syntheses of vibration criteria for human response and potential damage to buildings resulting from construction vibration.

Construction activities can cause vibration that varies in intensity depending on several factors. The use of pile driving and vibratory compaction equipment typically generates the highest construction related groundborne vibration levels. Because of the impulsive nature of such activities, the use of the PPV descriptor has been routinely used to measure and assess groundborne vibration and almost exclusively to assess the potential of vibration to cause damage and the degree of annoyance for humans.

The two primary concerns with construction-induced vibration, the potential to damage a structure and the potential to interfere with the enjoyment of life, are evaluated against different vibration limits. Human perception to vibration varies with the individual and is a function of physical setting and the type of vibration. Persons exposed to elevated ambient vibration levels, such as people in an urban environment, may tolerate a higher vibration level.

Structural damage can be classified as cosmetic only, such as paint flaking or minimal extension of cracks in building surfaces; minor, including limited surface cracking; or major, that may threaten the structural integrity of the building. Safe vibration limits that can be applied to assess the potential for damaging a structure vary by researcher. The damage criteria presented in Table 3 include several categories for ancient, fragile, and historic structures, the types of structures most at risk to damage. Most buildings are included within the categories ranging from “Historic and some old buildings” to “Modern industrial/commercial buildings”. Construction-induced vibration that can be detrimental to the building is very rare and has only been observed in instances where the structure is at a high state of disrepair and the construction activity occurs immediately adjacent to the structure.

The annoyance levels shown in Table 3 should be interpreted with care since vibration may be found to be annoying at lower levels than those shown, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage.

TABLE 3 Reaction of People and Damage to Buildings from Continuous or Frequent Intermittent Vibration Levels

Velocity Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.01	Barely perceptible	No effect
0.04	Distinctly perceptible	Vibration unlikely to cause damage of any type to any structure
0.08	Distinctly perceptible to strongly perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
0.1	Strongly perceptible	Threshold at which there is a risk of damage to fragile buildings with no risk of damage to most buildings
0.25	Strongly perceptible to severe	Threshold at which there is a risk of damage to historic and some old buildings.
0.3	Strongly perceptible to severe	Threshold at which there is a risk of damage to older residential structures
0.5	Severe - Vibrations considered unpleasant	Threshold at which there is a risk of damage to new residential and modern commercial/industrial structures

Source: Transportation and Construction Vibration Guidance Manual, California Department of Transportation, April 2020.

Regulatory Background – Noise

This section describes the relevant guidelines, policies, and standards established by State Agencies and the City of Pinole. The State CEQA Guidelines, Appendix G, are used to assess the potential significance of impacts pursuant to local General Plan policies or the applicable standards of other agencies. A summary of the applicable regulatory criteria is provided below.

Federal Government

Federal Transit Administration. The Federal Transit Administration (FTA) has identified construction noise thresholds in the *Transit Noise and Vibration Impact Assessment Manual*,[1] which limit daytime construction noise to 80 dBA L_{eq} at residential land uses, 85 dBA L_{eq} at commercial land uses, and 90 dBA L_{eq} at industrial land uses.

State of California

State CEQA Guidelines. The California Environmental Quality Act (CEQA) contains guidelines to evaluate the significance of effects of environmental noise attributable to a proposed project. Under CEQA, noise impacts would be considered significant if the project would result in:

(a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;

1 Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, FTA Report No. 0123, September 2018.

(b) Generation of excessive groundborne vibration or groundborne noise levels;

(c) For a project located within the vicinity of a private airstrip or an airport land use plan or where such a plan has not been adopted within two miles of a public airport or public use airport, if the project would expose people residing or working in the project area to excessive noise levels.

2022 California Building Cal Green Code. The State of California established exterior sound transmission control standards for new non-residential buildings as set forth in the 2022 California Green Building Standards Code (Section 5.507.4.1 and 5.507.4.2). The sections that pertain to this project are as follows:

> **5.507.4.1 Exterior noise transmission, prescriptive method.** Wall and roof-ceiling assemblies exposed to the noise source making up the building envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 when the building falls within the 65 dBA L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway noise source, as determined by the local general plan noise element.
>
> **5.507.4.2 Performance method.** For buildings located, as defined by Section 5.507.4.1, wall and roof-ceiling assemblies exposed to the noise source making up the building envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level ($L_{eq\ (1\text{-}hr)}$) of 50 dBA in occupied areas during any hour of operation.

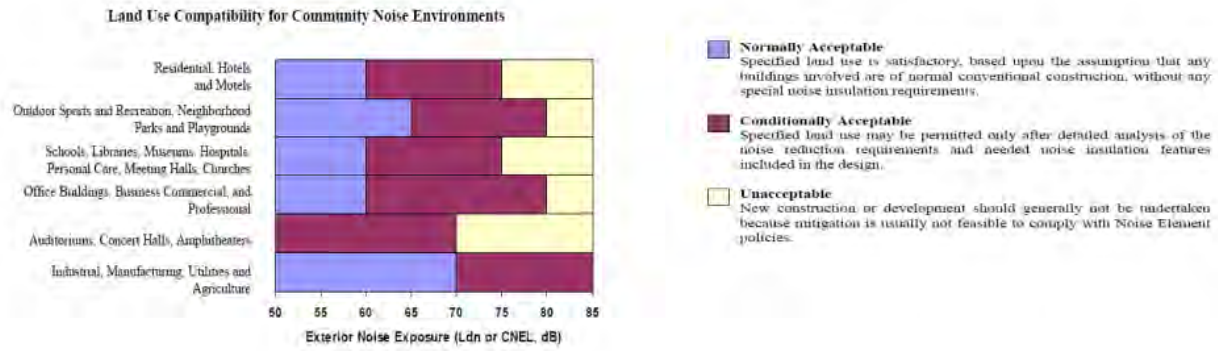
The performance method, which establishes the acceptable interior noise level, is the method typically used when applying these standards.

<u>City of Pinole</u>

Pinole General Plan Update 2010. The City of Pinole General Plan Health and Safety Element sets forth goals, policies, and actions related to noise in the community as follows:

GOAL HS.8 Ensure all new development complies with the noise standards established in the Pinole Health and Safety Element and prevent all new noise sources from increasing the existing noise levels above acceptable standards.

POLICY HS.8.1 New development projects should meet acceptable exterior noise level standards. The normally acceptable noise standards for new land uses are established in Land Use Compatibility for Community Exterior Noise Environments (as shown below).



Action HS.8.1.1 Adopt a noise ordinance with noise level performance standards, including maximum allowable noise exposure, ambient versus nuisance noise, method of measuring noise, and enforcement procedures.

Action HS.8.1.2 Review development proposals to assure consistency with noise standards. Require new development of noise-creating uses to conform to the City's noise level standards.

Action HS.8.1.3 Require a combination of design features to reduce noise impacts on adjacent properties through the following and other means, as appropriate:

- Screen and control noise sources such as parking, outdoor activities and mechanical equipment.
- Increase setbacks for noise sources from adjacent dwellings.
- Modify building designs and site planning to reduce noise exposure through a combination of sound attenuation (e.g., sound-rated windows and ventilation systems, insulation, physical and landscape buffers) and site planning (e.g., increased separation and private open area buffers) to reduce noise exposure.
- Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.
- Require additional landscaping to assist with buffering where feasible.

Action HS.8.1.4 New development of noise-sensitive land uses will not be permitted in areas exposed to existing or planned transportation noise sources that exceed the levels specified in Policy HS.8.1, unless the project design includes measures to reduce exterior and interior noise levels to those specified in Policy HS.8.1 of the proposed General Plan Update.

Action HS.8.1.5 Require the use of temporary construction noise control measures including the use of temporary noise barriers, temporary relocation of noise-sensitive land uses, or other appropriate measures as mitigation for noise generated during construction of public and/or private projects.

POLICY HS.8.2 Ensure that proposed nonresidential land uses likely to exceed the City's standards do not create noise disturbances in existing noise-sensitive areas.

Action HS.8.2.1 Require an acoustical analysis as part of the environmental review process when noise-sensitive land uses are proposed in areas where current or projected exterior noise levels exceed the City's standards.

Action HS.8.2.2 Require that any potential noise impacts identified during the acoustical analysis be mitigated in the project design to the maximum extent feasible.

Action HS.8.2.3 Prepare and periodically update a map of citywide noise-sensitive areas.

POLICY HS.8.3 Work with the railroads and adjoining communities to seek quiet zone status for rail lines through Pinole.

POLICY HS.8.4 Require site-specific noise studies for noise-sensitive projects which may be affected by railroad noise, and incorporate noise attenuation measures into the project design to reduce any impacts.

GOAL HS.9 Eliminate or reduce noise from existing objectionable noise sources.

POLICY HS.9.1 Noise created by commercial or industrial sources associated with new projects or developments should be controlled so as not to exceed the noise level standards set forth in the table below (Maximum Allowable Noise Exposure for Stationary Noise Sources), as measured at any affected residential land use.

Action HS.9.1.1 Adopt the following allowable noise standards:

Maximum Allowable Noise Exposure for Stationary Noise Sources[1]

	Daytime [5] (7 AM to 10 PM)	Nighttime [2, 5] (10 PM to 7 AM)
Hourly L_{eq}, dB [3]	55	45
Maximum Level, dB [3]	70	65
Maximum Level, dB – Impulsive Noise [4]	65	60

1. *As determined at the property line of the receiving land use. When determining effectiveness of noise mitigation measures, the standards may be applied on the receptor side of noise barriers or other property line noise mitigation measures.*
2. *Applies only where the receiving land use operates or is occupied during nighttime hours.*
3. *Sound level measurements shall be made with "slow" meter response.*
4. *Sound level measurements shall be made with "fast" meter response.*
5. *Allowable levels shall be raised to the ambient noise levels where the ambient levels exceed the allowable levels. Allowable levels shall be reduced 5 dB if the ambient hourly Leq is at least 10 dB lower than the allowable level.*

POLICY HS.9.2 Require new noise sources to use best available control technology (BACT) to minimize noise emissions.

Action HS.9.2.1 Noise control techniques used should be what most effectively mitigates the noise impacts of the development. Such measures may include building setbacks, building orientation and noise barriers. If a noise barrier is required for mitigation of exterior noise levels, it should be constructed of tight-fitting, massive materials (1-inch-thick wood, stucco, masonry, etc.) and should be of sufficient height to interrupt line of sight between the source and receiver. Line of sight should be determined by drawing a straight line between the effective heights of the noise source and receiver.

POLICY HS.9.3 Work with the railroad companies to reduce existing rail noise in Pinole.

Action HS.9.3.1 Establish a quiet zone designation at the railroad crossings in Pinole. Work with railroad companies to determine and install required safety devices to acquire the designation.

City of Pinole Municipal Code. City of Pinole Municipal Code standards relevant to the proposed project are outlined in Chapters 8 and 15 of the Municipal Code.

8.35.010 FINDINGS AND PURPOSE.

The city council declares that certain loud noises are detrimental to the health and welfare of the citizenry and should be regulated in the public interest. The purpose of this chapter is to limit and control excessive, unnecessary, annoying and unreasonable noises within the city in order to protect the peace, health, safety and welfare of the citizens of Pinole.

(Ord. 2017-05 § 2 (part), 2017)

8.35.020 DEFINITIONS.

A. ***COMMERCIAL PURPOSE.*** The use, operation, or maintenance of sound-amplifying equipment for the purpose of advertising business, goods and services, or for the purpose of attracting the attention of the public to, or advertising for, or soliciting patronage to or for a performance, show, entertainment, exhibition or event, or for the purpose of demonstrating any such sound equipment.

B. ***EMERGENCY.*** Conditions posing an imminent danger to the public health or safety of any individual.

C. ***SOUND-AMPLIFYING EQUIPMENT.*** Any machine or device for the amplification of the human voice, music, or any other sound, excluding a warning device on authorized emergency vehicle or horn or other warning device used for traffic safety purposes.

(Ord. 2017-05 § 2 (part), 2017)

8.35.030 GENERAL NOISE REGULATIONS.

A. It is unlawful for a person to willfully make a loud, unnecessary or unusual noise which disturbs the peace or quiet of a neighborhood or which causes discomfort or annoyance to a reasonable person of normal sensitiveness residing in the area.

B. The factors which shall be considered in determining whether a violation of this section exist shall include, but are not limited to, the following:

1. The sound level of the objectionable noise when compared to all audible noise in the area;

2. Whether the nature of the noise is usual or unusual;

3. The proximity of the noise to residential sleeping areas;

4. The nature and zoning of the area from which the noise emanates;

5. The density of the inhabitation of the area from which the noise emanates;

6. The time of day or night the noise occurs;

7. The duration of the noise;

8. Whether the noise is continuous, recurrent or intermittent;

9. Whether the noise is produced by a commercial or noncommercial activity;

10. Whether the noise is caused by sound amplifying equipment.

(Ord. 2017-05 § 2 (part), 2017)

8.35.040 USE PERMIT.

A. Use permit. The city may grant a use permit allowing noise generating events or land uses on a temporary basis as described in Chapter 17.12 of the Zoning Code. Noise generating use permits shall be of as short duration as reasonable. An application for a permit must be submitted at least ten business days before the proposed activity and must be accompanied by an application fee in the amount set by city council resolution.

B. Emergencies. This chapter shall not apply to emergencies.
(Ord. 2017-05 § 2 (part), 2017)

8.35.050 PENALTIES.

A. Violation an infraction. A person who violates a provision of this section is guilty of an infraction and subject to the penalty set forth in Chapter 1.12 of this code.

B. Violation a nuisance. In addition to the penalties herein provided, any condition caused, maintained or permitted to exist in violation of any of the provisions of this chapter is a threat to the public health, safety and welfare, and is declared and deemed a public nuisance and shall be punishable as such as provided by this code and applicable law.
(Ord. 2017-05 § 2 (part), 2017)

15.02.070 PERMITTED HOURS AND CONDITION OF CONSTRUCTION; PENALTIES.

A. Work is allowed from seven a.m. (7:00 a.m.) to five p.m. (5:00 p.m.) on non-federal holidays. Work is allowed on holidays recognized by the City of Pinole, but not acknowledged federally which include Cesar Chavez's Birthday and the Day After Thanksgiving, but no inspections will be performed.

B. Saturday work is allowed in commercial zones only, from nine a.m. (9:00 a.m.) to six p.m. (6:00 p.m.), as long as it is interior work and does not generate significant noise.

C. Exceptions for residential property owners.

1. Homeowners performing additions, repairs, or remodeling are allowed to work on their residences on weekends and holidays between nine a.m. (9:00 a.m.) and five p.m. (5:00 p.m.).

2. By written authorization of the Building Official, a residential property owner with a valid permit to construct a single-family residence for personal occupancy shall be allowed to work on weekends and holidays between nine a.m. (9:00 a.m.) and five p.m. (5:00 p.m.). This authorization shall be granted to applicants who have not built a residence in the City in the previous five (5) year period and who affirm in writing their intention to reside at the subject property.

D. Exceptions for commercial construction. The City Council designates the City Manager (or his/her designee) to further modify on a case-by-case basis the hours of construction in commercial zones. Additionally, the City Manager (or his/her designee) has the ability to modify the construction hours on a case-by-case basis based on inclement weather conditions or certain construction procedures (such as setting up for a concrete pour) and construction project characteristics that may require working beyond five p.m. (5:00 p.m.) on weekdays or six p.m. (6:00 p.m.) on Saturday.

E. The minimum fine for a citation or penalty for violating construction hours is one thousand dollars ($1,000.00), and escalates in one thousand dollars ($1,000.00) increments.

F. Work must be controlled to prevent causing a public nuisance due to dust, noise, vibrations, and the like.

(Ord. 2019-08 § 3 (part), 2019; Ord. 2016-08 § 3 (part), 2016)

Existing Noise Environment

The project site is located at 830-848 San Pablo Avenue in Pinole, California. The western portion of the site is a former auto wrecking yard that was previously developed with a commercial building and a detached single-family residence; these buildings have been demolished. The eastern portion is undeveloped and is crossed by a seasonal drainage channel. The site is bound to the south and west by industrial land uses; to the north by the Burlington Northern Santa Fe rail line, with the Union Pacific rail line and San Francisco Bay to the north of the railroad tracks; and to the east by residential land uses.

The existing noise environment at the site results primarily from traffic noise along San Pablo Avenue and operational noise from surrounding industrial land uses.

A noise monitoring survey consisting of two long-term (LT-1 and LT-2) and three short-term (ST-1 through ST-3) noise measurements was made at the site between Wednesday, October 19, 2022, and Friday, October 21, 2022. All measurement locations are shown in Figure 1.

Long-term noise measurement LT-1 was made in the southwestern corner of the project site, approximately 500 feet east of Pinole Shores Drive and approximately 350 feet southeast of the nearest Burlington Northern Santa Fe rail line tracks. Hourly average noise levels typically ranged from 44 to 63 dBA L_{eq} during daytime hours (7:00 a.m. and 10:00 p.m.) and from 39 to 54 dBA L_{eq} during nighttime hours (10:00 p.m. and 7:00 a.m.). The day-night average noise level on Thursday, October 20, 2022, was 56 dBA DNL. The daily trend in noise levels at LT-1 is shown in Figures A1 through A3 of Appendix A.

LT-2 was made approximately 35 feet south of the nearest Burlington Northern Santa Fe rail line tracks along the northern boundary of the project site. Hourly average noise levels at LT-2 typically ranged from 43 to 68 dBA L_{eq} during daytime hours and from 39 to 68 dBA L_{eq} during nighttime hours. The day-night average noise level on Thursday, October 21, 2022, was 66 dBA DNL. The daily trend in noise levels at LT-2 is shown in Figures A4 through A6 of Appendix A.

Short-term noise measurements were made on Wednesday, October 19, 2022, between 12:40 p.m. and 1:00 p.m. (ST-1) and on Thursday, October 20, 2022, between 10:20 a.m. and 11:00 a.m. (ST-2 and ST-3) in 10-minute intervals. Results of the measurements are summarized in Table 4.

ST-1 was made near LT-2, approximately 130 feet from the nearest Burlington Northern Santa Fe rail line tracks. Ambient background noise levels (in the absence of vehicle and train noise) at ST-1 was about 43 to 45 dBA. A freight train with two engines and 68 cars traveling southbound at about 20 mph passed ST-1 between 12:41 p.m. to 12:46 p.m., generating noise levels of 53 to 69 dBA. A freight train on the UPRR tracks (about 595 feet from ST-1), which is barely visible due to terrain, traveled northbound between 12:55 p.m. and 12:58 p.m. at 40 mph, generating noise levels at ST-1 of 53 to 65 dBA. Additional noise sources included a fog horn (47 to 49 dBA), a distant leaf blower (44 dBA), birds (47 dBA), and distant train whistles (51 to 65 dBA). The 10-minute L_{eq} measured at ST-1 ranged from 56 to 57 dBA.

ST-2 was made at 560 Sunnyview Drive, along the eastern boundary of the project site. Eleven passenger cars traveled along Sunnyview Drive in this 10-minute period, generating noise levels

of 43 to 50 dBA. Traffic noise from distant sources ranged from 43 to 47 dBA. Additional noise sources included surrounding industrial uses (46 to 47 dBA) and birds (49 dBA). The 10-minute L_{eq} measured at ST-2 was 45 dBA.

ST-3 was made at 648 Carlotta Circle, north of the Burlington Northern Santa Fe rail line tracks. Note, ST-3 was made behind an eight-foot sound wall located along the tracks. A single passenger car passed along Carlotta Circle during this 10-minute period, generating noise levels of 56 dBA. Train pass-bys generated noise levels of 47 to 59 dBA at ST-3. Additional sources included birds (46 to 52 dBA), nearby industrial sources (46 to 52 dBA), and jet flyovers (56 dBA). The 10-minute L_{eq} measured at ST-3 was 51 dBA.

TABLE 4 Summary of Short-Term Noise Measurements (dBA)

Noise Measurement Location	Date, Time	Measured Noise Level, dBA					
		L_{max}	$L_{(1)}$	$L_{(10)}$	$L_{(50)}$	$L_{(90)}$	L_{eq}
ST-1: ~130 feet from the nearest Burlington Northern Santa Fe rail line tracks	10/19/2022, 12:40-12:50	69	68	59	53	45	57
	10/19/2022, 12:50-13:00	65	64	60	51	47	56
ST-2: at 560 Sunnyview Drive	10/20/2022, 10:20-10:30	50	49	46	45	44	45
ST-3: ~115 feet from the centerline of Piercy Road	10/20/2022, 10:50-11:00	59	58	53	50	48	51

FIGURE 1 Aerial Image of the Project Site and Vicinity Showing Long- and Short-Term Measurement Locations

Source: Google Earth, 2024.

PLAN CONSISTENCY ANALYSIS

Noise and Land Use Compatibility

The Cal Green Code standards specify an interior noise environment attributable to exterior sources not to exceed an hourly equivalent noise level ($L_{eq\ (1\text{-}hr)}$) of 50 dBA in occupied areas of nonresidential uses during any hour of operation.

The future noise environment at the site would continue to result primarily from vehicular traffic along San Pablo Avenue and train activity on the adjoining tracks. The traffic study completed for the proposed project includes existing and cumulative plus project traffic volumes. Comparing the cumulative plus project volumes to the existing volumes resulted in a noise level increase of 2 dBA DNL. Train activity is not expected to change under future project conditions and therefore would not contribute to a measurable noise level increase.

Future Interior Noise Environment

The nearest building façade is more than 700 feet from the centerline of San Pablo Avenue. At this distance, daytime hourly average noise levels at the proposed building exteriors would range from 46 to 66 dBA L_{eq}, with day-night average noise levels up to 58 dBA DNL.

The nearest building façades to the UPRR tracks would be set back about 95 feet from the edge of the near tracks. At this distance, daytime hourly average noise levels at the building exteriors would range from 39 to 64 dBA L_{eq}, with day-night average noise levels up to 64 dBA DNL.

Standard construction materials for non-residential uses would provide about 25 dBA of noise reduction in interior spaces. The inclusion of adequate forced-air mechanical ventilation systems is normally required so that windows may be kept closed at the occupant's discretion and would provide an additional 5 dBA reduction. The standard construction materials in combination with forced-air mechanical ventilation would satisfy the daytime threshold of 50 dBA $L_{eq(1\text{-}hr)}$.

NOISE IMPACTS AND MITIGATION MEASURES

This section describes the significance criteria used to evaluate project impacts under CEQA, provides a discussion of each project impact, and presents mitigation measures, where necessary, to reduce project impacts to less-than-significant levels.

Significance Criteria

The following criteria were used to evaluate the significance of environmental noise and vibration resulting from the project:

(a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;

(b) Generation of excessive groundborne vibration or groundborne noise levels;

(c) For a project located within the vicinity of a private airstrip or an airport land use plan or where such a plan has not been adopted within two miles of a public airport or public use airport, if the project would expose people residing or working in the project area to excessive noise levels.

Impact 1a: **Temporary Construction Noise.** Existing noise-sensitive land uses would be exposed to a temporary increase in ambient noise levels for a period of less than one year. With the implementation of measures identified in the General Plan and included in the *Initial Study*,[2] this temporary noise increase would be reduced to a **less-than-significant** level.

The project applicant proposes the construction of one light industrial building on the project site. The construction schedule assumed that the earliest possible start date would be early January 2025, and the development would be built over a period of about seven months, with construction expected to conclude by the end of July 2025. Construction phases would include site preparation, grading, trenching, building construction, architectural coating, and paving. During each phase of construction, there would be a different mix of equipment operating, and noise levels would vary by phase and vary within phases, based on the amount of equipment in operation and the location at which the equipment is operating.

Noise impacts resulting from construction depend upon the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive areas. Construction noise impacts primarily result when construction activities occur during noise-sensitive times of the day (e.g., early morning, evening, or nighttime hours), the construction occurs in areas immediately adjoining noise-sensitive land uses, or when construction lasts over extended periods of time.

Action HS.8.1.5 of the City's General Plan requires the use of temporary construction noise control measures, including the use of temporary noise barriers, to reduce temporary noise levels during construction. Additionally, the Municipal Code limits construction hours to between 7:00 a.m. and 5:00 p.m. on non-federal holidays. Saturday work is allowed in commercial zones only between 9:00 a.m. and 6:00 p.m., as long as construction activities are limited to interior work and does not generate significant noise.

While the City of Pinole does not establish noise level thresholds for construction activities, this analysis uses the noise limits established by the Federal Transit Administration (FTA) to identify the potential for impacts due to substantial temporary construction noise. The FTA identifies construction noise limits in the *Transit Noise and Vibration Impact Assessment Manual*.[1] During daytime hours, an exterior threshold of 80 dBA L_{eq} shall be applied at residential land uses, 85 dBA L_{eq} shall be applied at commercial land uses, and 90 dBA L_{eq} shall be applied at industrial land uses.

[2] City of Pinole, *Pinole Shores Business Park Initial Study*, October 5, 2005.

Construction activities for individual projects are typically carried out in phases. During each phase of construction, there would be a different mix of equipment operating, and noise levels would vary by phase and vary within phases, based on the amount of equipment in operation and the location at which the equipment is operating. The typical range of maximum instantaneous noise levels for the proposed project would be 70 to 90 dBA L_{max} at a distance of 50 feet (see Table 5) from the equipment. Table 6 shows the hourly average noise level ranges, by construction phase, typical for various types of projects. Hourly average noise levels generated by construction are about 75 to 89 dBA L_{eq} for industrial buildings, measured at a distance of 50 feet from the center of a busy construction site. Construction-generated noise levels drop off at a rate of about 6 dBA per doubling of the distance between the source and receptor. Shielding by buildings or terrain often result in lower construction noise levels at distant receptors.

Equipment expected to be used in each construction phase are summarized in Table 7, along with the quantity of each type of equipment and the reference noise level at 50 feet, assuming the operation of the two loudest pieces of construction equipment for each construction phase.

Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM) was used to calculate the hourly average noise levels for each phase of construction, assuming the two loudest pieces of equipment would operate simultaneously, as recommended by the FTA for construction noise evaluations. This construction noise model includes representative sound levels for the most common types of construction equipment and the approximate usage factors of such equipment that were developed based on an extensive database of information gathered during the construction of the Central Artery/Tunnel Project in Boston, Massachusetts (CA/T Project or "Big Dig"). The usage factors represent the percentage of time that the equipment would be operating at full power. Table 7 also summarizes the construction noise levels for the two loudest pieces of equipment propagated to the surrounding receiving land uses.

To assess construction noise impacts at the receiving property lines of existing noise-sensitive receptors, the worst-case hourly average noise level, which is calculated by combining all pieces of equipment per phase, was propagated from the geometrical center of the project site to the nearest property lines of the surrounding land uses. These noise level estimates are shown in Table 8. Noise levels in Table 8 do not assume reductions due to intervening buildings or existing barriers.

TABLE 5 Construction Equipment 50-Foot Noise Emission Limits

Equipment Category	L_{max} Level (dBA)[1,2]	Impact/Continuous
Arc Welder	73	Continuous
Auger Drill Rig	85	Continuous
Backhoe	80	Continuous
Bar Bender	80	Continuous
Boring Jack Power Unit	80	Continuous
Chain Saw	85	Continuous
Compressor[3]	70	Continuous
Compressor (other)	80	Continuous
Concrete Mixer	85	Continuous
Concrete Pump	82	Continuous
Concrete Saw	90	Continuous
Concrete Vibrator	80	Continuous
Crane	85	Continuous
Dozer	85	Continuous
Excavator	85	Continuous
Front End Loader	80	Continuous
Generator	82	Continuous
Generator (25 KVA or less)	70	Continuous
Gradall	85	Continuous
Grader	85	Continuous
Grinder Saw	85	Continuous
Horizontal Boring Hydro Jack	80	Continuous
Hydra Break Ram	90	Impact
Impact Pile Driver	105	Impact
Insitu Soil Sampling Rig	84	Continuous
Jackhammer	85	Impact
Mounted Impact Hammer (hoe ram)	90	Impact
Paver	85	Continuous
Pneumatic Tools	85	Continuous
Pumps	77	Continuous
Rock Drill	85	Continuous
Scraper	85	Continuous
Slurry Trenching Machine	82	Continuous
Soil Mix Drill Rig	80	Continuous
Street Sweeper	80	Continuous
Tractor	84	Continuous
Truck (dump, delivery)	84	Continuous
Vacuum Excavator Truck (vac-truck)	85	Continuous
Vibratory Compactor	80	Continuous
Vibratory Pile Driver	95	Continuous
All other equipment with engines larger than 5 HP	85	Continuous

Notes:

[1] Measured at 50 feet from the construction equipment, with a "slow" (1 sec.) time constant.

[2] Noise limits apply to total noise emitted from equipment and associated components operating at full power while engaged in its intended operation.

[3] Portable Air Compressor rated at 75 cfm or greater and that operates at greater than 50 psi.

TABLE 6 Typical Ranges of Construction Noise Levels at 50 Feet, L_{eq} (dBA)

	Domestic Housing		Office Building, Hotel, Hospital, School, Public Works		Industrial Parking Garage, Religious Amusement & Recreations, Store, Service Station		Public Works Roads & Highways, Sewers, and Trenches	
	I	**II**	**I**	**II**	**I**	**II**	**I**	**II**
Ground Clearing	83	83	84	84	84	83	84	84
Excavation	88	75	89	79	89	71	88	78
Foundations	81	81	78	78	77	77	88	88
Erection	81	65	87	75	84	72	79	78
Finishing	88	72	89	75	89	74	84	84

I - All pertinent equipment present at site.
II - Minimum required equipment present at site.

Source: U.S.E.P.A., Legal Compilation on Noise, Vol. 1, p. 2-104, 1973.

TABLE 7 Estimated Construction Noise Levels for the Proposed Industrial Buildings at a Distance of 50 feet

Phase of Construction	Total Workdays	Construction Equipment (Quantity)	Estimated Construction Noise Level at 50 feet, dBA L_{eq}
Demolition	20	Excavator (1) Rubber-Tired Dozer (1)[a] Tractor/Loader/Backhoe (1)[a]	82
Site Preparation	20	Grader (1)[a] Rubber-Tired Dozer (1) Tractor/Loader/Backhoe (1)[a]	84
Grading/Excavation	20	Excavator (1) Grader (1)[a] Rubber-Tired Dozer (1) Tractor/Loader/Backhoe (1)[a]	84
Trenching/Foundation	10	Tractor/Loader/Backhoe (1)[a] Excavator (1)[a]	82
Building – Exterior	40	Crane (1) Forklift (1) Generator Set (1)[a] Tractor/Loader/Backhoe (1)[a] Welder (1)	82
Building – Interior/ Architectural Coating	20	Air Compressor (1)[a]	74
Paving	10	Paver (1)[a] Paving Equipment (1)[a] Roller (2) Tractor/Loader/Backhoe (1)[a]	84

[a] Denotes two loudest pieces of construction equipment per phase.

TABLE 8 Estimated Construction Noise Levels at Nearby Land Uses

Phase of Construction	Calculated Hourly Average Noise Levels, L_{eq} (dBA)			
	East Residential (255ft)	Northwest Residential (390ft)	Distant South Residential (895ft)	South Office & Commercial (145ft)
Demolition	69	65	58	74
Site Preparation	70	67	60	75
Grading/ Excavation	71	67	60	76
Trenching/Foundation	68	64	57	72
Building –Exterior	69	65	58	74
Building – Interior/ Architectural Coating	60	56	49	65
Paving	71	68	60	76

As shown in Table 8, construction noise levels would intermittently range from 49 to 71 dBA L_{eq} at existing residential uses and from 65 to 76 dBA L_{eq} at existing office and commercial uses when activities are focused near the center of the nearest project buildings. These construction noise levels would not exceed the exterior threshold of 80 dBA L_{eq} at existing residential land uses surrounding the site (i.e., east of the site, northwest of the site, and more than 800 feet south of the site) or the 85 dBA L_{eq} threshold at office and commercial land uses in the project vicinity when activities occur near the center of the buildings. When occurring 50 feet from the adjoining property lines, construction noise levels would range from 74 to 84 dBA L_{eq}.

While specific construction activities would at times exceed these thresholds when work is conducted near shared property lines, construction would move throughout the project site during the planned seven-month period. While the proposed project would result in temporary noise increases above ambient conditions, the *Initial Study* included measures consistent with those identified in the City's General Plan that would reduce the impact to a less-than-significant level. These measures shall be included as part of the proposed project as a condition of approval:

- The construction contractor shall locate stationary noise sources as far from existing sensitive receptors as possible. If stationary sources must be located near existing sensitive receptors, they shall be muffled and enclosed within temporary sheds or other structures.

- At a minimum, the construction contractor shall implement the following control measures: improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically-attenuating shields or shrouds. Noise controls can reduce noise levels at 50 feet by 1 to 16 dBA, depending on the type of equipment.

- Equipment used for project construction shall be hydraulically or electrically powered impact tools (e.g., jack hammers) wherever possible to avoid noise associated with compressed air exhaust from pneumatically-powered tools. Where use of pneumatically-powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. A muffler could lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dBA. Quieter procedures shall be used (such as drilling rather than impact equipment) wherever feasible.

- The construction contractor shall not allow any construction equipment, trucks, or vehicles to idle.

- Prior to the commencement of any construction activities, the construction contractor shall notify, via mail, all residences within a 300-foot radius of the project site of the project's approximate construction schedule, including the approximate duration of demolition, clearing, grading, excavation, paving, and building construction, et al. In addition, at least 24 hours prior to grading activities, the construction contractor shall post signage in appropriate locations within a 300-foot radius of the project site. The signage shall include a phone number to the City Public Works Department for residents to call with noise complaints. If the City Public Works Department receives

more than three complaint calls regarding construction noise, the City reserves the discretion to require the project applicant to conduct an acoustical noise analysis to determine more appropriate measures to reduce noise levels due to construction activities.

- The construction contractor shall limit construction activity to the hours of 7:00 a.m. to 5:00 p.m. on weekdays. No construction will be allowed on weekends and holidays recognized by the City of Pinole. Debris hauling and materials delivery shall be prohibited between the hours of 7:30 to 8:30 a.m. and 4:00 to 5:00 p.m.

- All staging of construction equipment, trucks, and vehicles shall be limited to the southern and western portions of the project site, as far away from residential development to the east as possible.

- All construction trucks and vehicles shall access the site via San Pablo Avenue.

With the implementation of the General Plan and Municipal Code requirements, as well as the above measures as conditions of approval, the temporary construction noise impact would be reduced to a less-than-significant level.

Recommended Condition 1a: Impose the measure above.

Impact 1b: Permanent Noise Level Increase/Exceed Applicable Standards. The proposed project would not result in a substantial permanent noise level increase but could generate noise levels that would exceed the applicable standards at the residential uses to the east. **This is a potentially significant impact.**

The State of California and City of Pinole would consider a significant permanent noise impact to occur if one or more of the following happen due to proposed project:

- The project would increase noise levels at noise-sensitive receptors by 3 dBA DNL or more where ambient noise levels exceed the "normally acceptable" noise level standard (60 dBA DNL according to the City's General Plan) or by 5 dBA DNL or more where ambient noise levels are at or below 60 dBA DNL. The permanent noise level increase is calculated by comparing the day-night average noise levels (estimated on a 24-hour basis) generated by new sources at the project site to the existing ambient noise levels at receptors.

- The proposed industrial project generates noise levels from stationary sources exceeding hourly average noise levels of 55 dBA L_{eq} during daytime hours between 7:00 a.m. and 10:00 p.m. and 45 dBA L_{eq} during nighttime hours between 10:00 p.m. and 7:00 a.m. at existing residential land uses, as established in Policy HS.9.1 of the City's General Plan. Hourly average noise levels for noise sources at the project site are averaged over a 60-minute period based on realistic usage of each source in a given hour.

- The proposed industrial project generates noise levels from stationary sources exceeding maximum instantaneous noise levels of 70 dBA L_{max} during daytime hours and 65 dBA L_{max}

during nighttime hours at existing residential land uses. For impulsive noise sources, maximum noise levels of 65 and 60 dBA L_{max} shall not be exceeded during daytime and nighttime hours, respectively. These instantaneous thresholds could be generated in less than 1 minute in any given hour.

Existing residences are located to the east and to the northwest of the project site, as well as south of San Pablo Avenue. All surrounding residences would continue be exposed to noise from existing train activity and vehicular traffic.

Project Traffic Increase

The traffic study included peak hour turning movements for existing and existing plus project traffic volumes at two intersections in the vicinity of the project site: 1) project driveway/Meadow Avenue and San Pablo Avenue; and 2) Pinon Avenue/Appian Way and San Pablo Avenue. By comparing the existing plus project volumes to the existing volumes, the project's contribution to the overall noise increase is calculated. Table 9 summarizes the estimated noise level increase along each roadway segment included in the traffic report. As shown in Table 9, the project's traffic would result in a 1 dBA DNL increase along Meadow Avenue, south of San Pablo Avenue. All remaining segments would not measurably contribute to ambient noise levels in the area (0 dBA DNL increase). This would be a less-than-significant impact.

TABLE 9 Estimated Noise Level Increases of Existing Plus Project Traffic Volumes Over Existing Volumes at Receptors in the Project Vicinity

Roadway	Segment	Estimated DNL, dBA		Estimated Noise Level Increase, dBA DNL
		Existing Noise Levels	Existing Plus Project Noise Levels	
Meadow Avenue	South of San Pablo Avenue	56	57	1
Pinon Avenue	North of San Pablo Avenue	52	52	0
Appian Way	South of San Pablo Avenue	64	64	0
San Pablo Avenue	East of Pinon Avenue/Appian Way	69	69	0
	Pinon Avenue/Appian Way to Meadow Avenue	68	68	0
	West of Meadow Avenue	68	68	0

Mechanical Equipment

The proposed warehouse will not be air conditioned, but the offices located in the southwestern corner of the proposed building would include a heating, ventilation, air conditioning (HVAC) unit. Typically, HVAC units are located on the roof, which is the assumed location in this study. The site plan shows the roof elevation to be about 43 feet above the ground.

For light industrial uses similar to the proposed project, typical HVAC units would generate noise levels ranging from 61 to 62 dBA at a distance of 20 feet. This type of equipment generates constant noise levels during operation, which means the maximum noise level generated by mechanical equipment would be equal to the hourly average noise level, assuming the equipment operates continuously throughout the hour. Assuming the HVAC unit operates continuously every hour during a 24-hour period, which would represent worst-case conditions, the total potential noise generated by the HVAC unit would be up to 68 dBA DNL at 20 feet (day-night average noise level).

The estimated mechanical equipment noise levels due to HVAC units on the rooftop of the offices, as propagated to the nearest property lines of the surrounding land uses are summarized in Table 10. A minimum attenuation of 5 dBA is assumed for all surrounding ground-level receptors, assuming the HVAC units are set back 10 feet from the nearest edge of the office rooftop. Additionally, an existing eight-foot sound wall is located along the residential boundary of the land uses to the northwest, which would account for additional attenuation. Conservatively, 10 dBA attenuation is assumed for the northwest residences. The residences located south of San Pablo Avenue would be mostly shielded by the office and commercial buildings south of the project site. Conservatively, these buildings, in combination with the elevation of the rooftop equipment, would provide a minimum attenuation of 10 dBA for the distant residences to the south.

Hourly average noise levels due to mechanical equipment would range from 20 to 30 dBA L_{eq} at the nearest surrounding residences, assuming worst-case conditions. These noise levels would not exceed the City's daytime threshold of 55 dBA or the City's nighttime threshold of 45 dBA threshold. This would be a less-than-significant impact.

As stated above, this noise source would generate constant noise levels throughout a given hour, making the hourly average noise levels and the maximum instantaneous noise levels equivalent. Maximum noise level thresholds of 70 dBA during daytime hours and 65 dBA during nighttime hours would not be exceeded. This would be a less-than-significant impact.

For all residential and commercial land uses in the project vicinity, the calculated noise level increase would not measurably contribute to ambient noise levels in the area (0 dBA DNL increase). This would be a less-than-significant impact.

TABLE 10 Estimated Mechanical Equipment Noise Levels at Receiving Land Uses

Receptor	Distance from Rooftop Equipment, feet	Hourly L_{eq}, dBA		DNL, dBA	Noise Level Increase, DNL, dBA
		Estimated L_{eq} at Receiving Property Line	55 dBA (Daytime) or 45 dBA (Nighttime) Exceeded?[a]		
East Residential	465	29 to 30[b]	No (both)	36[b]	0
Northwest Residential	370	26 to 27[c]	No (both)	33[c]	0
Distant South Residential	800	≤ 20[c]	No (both)	26[c]	0
South Office & Commercial	70	45 to 46[b]	N/A	53[b]	0

[a] Thresholds apply to residential receptors only.
[b] Minimum attenuation of 5 dB is assumed due to elevation of noise sources and distance of ground-level receptors being within 200 feet of the proposed building.
[c] Minimum attenuation of 10 dB is assumed due to intervening buildings and distance of receptors being more than 700 feet of the proposed building.

Parking Lot Noise

Surface parking for passenger cars would be located along the building perimeter. Truck parking associated with the proposed project is discussed separately under the truck loading section.

Noise sources associated with the use of the parking lots would include vehicular circulation, loud engines, door slams, and human voices. The maximum noise level of a passing car at 15 mph typically ranges from 45 to 55 dBA L_{max} at a distance of 100 feet. The noise generated during an engine start is similar. Door slams cause slightly lower noise levels. The hourly average noise levels resulting from all of these noise-generating activities in a busy parking lot typically ranges from 40 to 50 dBA L_{eq} at a distance of 100 feet from the parking area. Noise levels decrease at a rate of 6 dB per doubling of distance.

For the proposed project, busy parking lot noise would only be expected during daytime hours when most employees would be accessing the site. Some cars may access the site during nighttime hours, but passenger car activity would occur for minimal time in a given hour and would result in insignificant hourly average noise levels; however, one car in an hour would generate instantaneous noise levels, which would be compared to maximum noise levels established by the City. Therefore, hourly average noise levels during daytime hours only and maximum instantaneous noise levels during daytime and nighttime hours are used in parking lot analysis.

Table 11 summarizes the estimated parking lot noise at the surrounding receptors when the noise source is centered at the nearest parking spaces facing the receptors. The residences to the northwest would be partially shielded from the ground-level parking lot noise by the eight-foot sound wall along their property lines. Conservatively, a 5 dBA attenuation is assumed for these receptors. Additionally, the intervening office and commercial buildings would provide attenuation for the distant residences to the south. Conservatively, a 10 dBA attenuation is assumed for these receptors. Residences to the east and commercial buildings to the south would have direct line-of-sight to parking lot activity. No attenuation is assumed for these receptors.

Hourly average noise levels from parking activities would be at or below 48 dBA L_{eq} at all surrounding residences. This would be less than the daytime hourly average threshold of 55 dBA L_{eq}. This would be a less-than-significant impact.

Maximum noise levels would be at or below 53 dBA L_{max} at all surrounding residences. This would be less than the daytime and nighttime thresholds of 70 and 65 dBA L_{max}, respectively. This would be a less-than-significant impact.

The proposed parking lot/parking activities would not measurably contribute to ambient noise levels in the area (0 dBA DNL increase). This would be a less-than-significant impact.

TABLE 11 Estimated Parking Lot Noise Levels at Receiving Land Uses

Receptor	Distance from Center of Nearest Parking Area, feet	Hourly L_{eq}, dBA		L_{max}, dBA		DNL, dBA	Noise Level Increase, DNL, dBA
		Estimated L_{eq} at Receiving Property Line	55 dBA (Daytime) Exceeded?[a]	Estimated L_{max} at Receiving Property Line	70 dBA (Daytime) or 65 dBA (Nighttime) Exceeded?[a]		
East Residential	130	38 to 48	No	43 to 53	No (both)	41	0
Northwest Residential	130	33 to 43[a]	No	38 to 48[b]	No (both)	36[b]	0
Distant South Residential	790	< 20 to 22[b]	No	< 20 to 27[c]	No (both)	< 20[c]	0
South Office & Commercial	50	46 to 56	N/A	51 to 61	N/A	49	0

[a] Thresholds apply to residential receptors only.
[b] Minimum attenuation of 5 dB is assumed due to the eight-foot sound wall along the receptors' property lines.
[c] Minimum attenuation of 10 dB is assumed due to intervening buildings.

Project Truck Trips

The proposed project would include 18 loading docks located along the southeastern façade of the proposed building. Additionally, five heavy truck parking spots are located along the southern property line.

All truck deliveries would be limited to the hours of 7:00 a.m. to 7:00 p.m. According to the traffic study, 107 daily truck trips would access the site. The peak hour truck trips would include 17 trips during the peak AM hour and 11 trips during the peak PM hour. For all remaining hours between 7:00 a.m. and 7:00 p.m., seven to eight truck trips per hour are assumed.

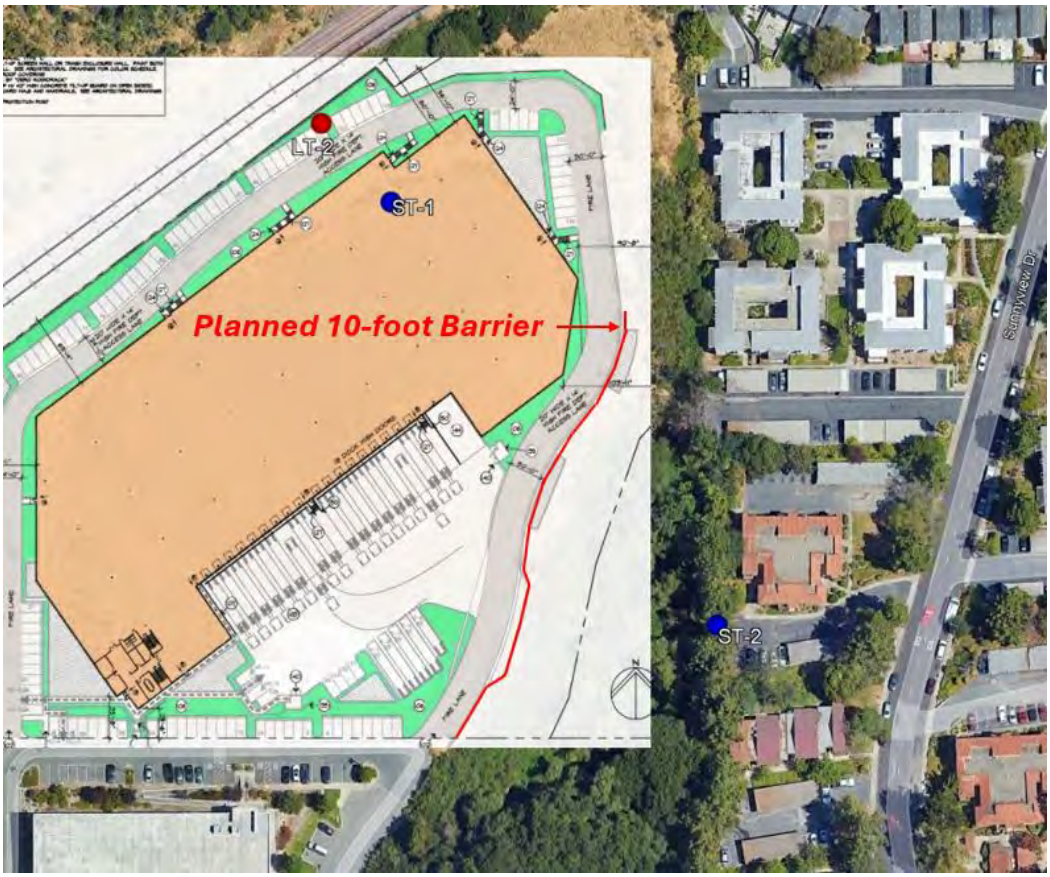
Truck delivery noise would include both maneuvering activities occurring at the loading docks and truck parking spaces located between the buildings, as well as truck trips occurring along the driveway.

Trucks maneuvering would generate a combination of engine, exhaust, and tire noise, as well as the intermittent sounds of back-up alarms and releases of compressed air associated with truck/trailer air brakes. Heavy trucks used for incoming deliveries typically generate maximum instantaneous noise levels of 70 to 75 dBA L_{max} at a distance of 50 feet. The noise level of backup alarms can vary depending on the type and directivity of the sound, but maximum noise levels are typically in the range of 65 to 75 dBA L_{max} at a distance of 50 feet. Assuming maneuvering activities for one truck would take up to 10 minutes in a given hour, hourly average noise levels would range from 71 to 74 dBA L_{eq} at 50 feet for seven to 17 truck trips per hour.

Due to the orientation of the building and the surrounding buildings, truck loading and unloading activities would be shielded from the northwest residences and the distant south residences. The east residences and the south office and commercial uses would have direct exposure to the loading docks. Table 12 summarizes the estimated truck maneuvering noise at the east residences and the south office and commercial uses, assuming seven to 17 truck trips per hour between 7:00 a.m. and 7:00 p.m and with the construction of a 10-foot sound wall, which is recommended to be imposed as a project condition of approval in compliance General Plan Goal HS. 8.1 and Action HS 8.1.3.

The project shall install a 10-foot sound wall barrier along the outside of the access driveway, which would provide shielding for the east residences. Figure 2 shows the location of the planned barrier. It is assumed that the proposed barrier would be continuous from grade to top, with no cracks or gaps, and have a minimum surface density of three lbs/ft^2 (e.g., concrete masonry units (CMU)), and the total length of the barrier would be about 420 feet. SoundPLAN Version 9.0 (SoundPLAN), a three-dimensional ray-tracing computer program, was used to estimate the attenuation from a 10-foot barrier shown in Figure 2. Calculations accounted for the truck maneuvering activities at the center of the loading docks. The proposed building and the surrounding existing buildings were also included in the model. For worst-case conditions, the terrain at the site and the surrounding area was assumed to be flat. While attenuation would vary depending on the location of the truck maneuvering source levels, the minimum attenuation calculated in SoundPLAN was 11 dBA for the east residences. This attenuation is applied to the noise levels in Table 12.

FIGURE 2 Planned 10-foot Barrier Location



With the sound wall, hourly average noise levels generated by truck deliveries at the proposed building would range from 51 to 55 dBA L_{eq} at the east residences and from 67 to 72 dBA L_{eq} at the south offices and commercial uses. Hourly average noise levels due to truck loading and unloading activities would not exceed the daytime threshold of 55 dBA L_{eq} at the east residences with the planned barrier. This is a less-than-significant impact.

The east residences would be exposed to maximum noise levels up to 50 dBA L_{max} when truck deliveries occur at nearest loading docks, while maximum noise levels at the south offices and commercial uses would be up to 68 dBA L_{max}. These maximum noise levels would be below the daytime threshold of 70 dBA L_{max} at the adjoining residences with the sound wall. This would be a less-than-significant impact.

With the sound wall, when 107 on-site truck trips occur between 7:00 a.m. and 7:00 p.m., the combined day-night average noise level calculated at the east residential property line would be 49 dBA DNL and at the south offices and commercial uses would be 66 dBA DNL. The calculated noise level increase compared to the ambient noise environment would not be measurable or detectable at the east residences (i.e., 0 dBA DNL increase) and 2 dBA DNL at the south offices and commercial uses. This would be a less-than-significant impact.

TABLE 12 Estimated Truck Delivery Noise Levels at Receiving Land Uses (with sound wall)

Receptor	Distance from Center of Truck Loading Docks, feet	Hourly L_{eq}, dBA		L_{max}, dBA		DNL, dBA	Noise Level Increase, DNL, dBA
		Estimated L_{eq} at Receiving Property Line	55 dBA (Daytime) Exceeded?[a]	Estimated L_{max} at Receiving Property Line	70 dBA (Daytime) Exceeded?[a]		
East Residential	240 to 325	51 to 55[b]	No	41 to 50[b]	No	49[b]	0
South Office & Commercial	115 to 310	67 to 72	N/A	54 to 68	N/A	66	2

[a] Thresholds apply to residential receptors only.
[b] Conservative attenuation of 11 dBA assumed for the planned barrier.

To estimate the pass-by noise levels for heavy trucks traveling at speeds of 15 to 25 mph, Federal Highway Administration's Traffic Noise Model (FHWA TNM), version 2.5, was used to model various hourly scenarios for truck traffic, based on the daily trip distribution assumed for the project.

At a distance of 75 feet from the centerline of the driveway, a truck pass-by would generate noise levels ranging from 65 to 67 dBA L_{max}, and hourly average noise levels for seven to 17 truck pass-bys would range from 52 to 56 dBA L_{eq} at a distance of 75 feet when trucks are traveling at a speed of 15 mph, assuming no attenuation. Table 13 summarizes the estimated truck pass-by noise levels at all surrounding receptors, assuming the nearest driveway on the project site, which would represent the worst-case scenario for each of the surrounding receptors. Conservatively, a 5 dBA attenuation is assumed for the northwest residences due to the existing barrier, and 11 dBA attenuation is assumed for the east residences due to the planned 10-foot barrier. Note, truck pass-bys are only assumed to occur along the driveways accessing the loading docks; therefore, truck pass-bys would not occur along the driveways north of the planned 10-foot barrier.

The maximum noise thresholds and hourly average noise thresholds only apply to stationary sources levels and would not apply to pass-by truck noise. However, the threshold for the permanent noise increase would apply to truck pass-bys. As shown in Table 13, 24-hour truck pass-bys would not measurably contribute to ambient noise levels in the area (0 dBA DNL increase). This is a less-than-significant impact.

TABLE 13 Estimated Truck Pass-by Noise Levels at Receiving Land Uses

Receptor	Distance from Center of Nearest Driveway, feet	Hourly L_{eq}, dBA	L_{max}, dBA	DNL, dBA	Noise Level Increase, dBA DNL
East Residential	175	34 to 38[a]	46 to 48[a]	32[a]	0
Northwest Residential	430	32 to 36[b]	45 to 47[b]	30[b]	0
Distant South Residential	110	49 to 53	61 to 63	47	0
South Office & Commercial	55	55 to 59	67 to 69	53	0

[a] Minimum attenuation of 11 dB is assumed due to the planned project barrier.
[b] Minimum attenuation of 5 dB is assumed due to the eight-foot sound wall along the receptors' property lines.

Total Combined Project-Generated Noise

The operational noise levels produced by the proposed project combined (i.e., traffic, mechanical equipment, parking lot, truck loading/unloading activities, and truck pass-bys) would potentially result in a permanent noise increase of 1 dBA DNL or less at existing residential receptors in the project vicinity and 2 dBA DNL or less at the existing commercial and offices uses to the south. This would be a less-than-significant permanent noise level increase.

Operational noise levels would not exceed the City's daytime or nighttime maximum noise level thresholds of 70 and 65 dBA L_{max}, respectively, or the City's daytime or nighttime hourly average noise level thresholds of 55 and 45 dBA L_{eq}, respectively. This would be a less-than-significant impact.

Recommended Condition 1b:

With the inclusion of the planned 10-foot sound wall, as shown in Figure 2, noise levels associated with truck loading and unloading activities at the loading dock area would meet the City's daytime threshold at the adjacent east residences, assuming the planned barrier would be continuous from grade to top, with no cracks or gaps, and have a minimum surface density of three lbs/ft^2 (e.g., concrete masonry units (CMU)).

Impact 2: **Exposure to Excessive Groundborne Vibration.** Construction-related vibration levels could potentially exceed applicable vibration thresholds at nearby sensitive land uses. **This is a less-than-significant impact.**

The construction of the project may generate perceptible vibration when heavy equipment or impact tools (e.g., jackhammers, hoe rams) are used. Construction activities would include demolition, site preparation work, foundation work, and new building framing and finishing. Pile driving equipment, which can cause excessive vibration, is not expected to be required for the proposed project.

The City of Pinole does not define vibration thresholds. For structural damage, the California Department of Transportation recommends a vibration limit of 0.5 in/sec PPV for buildings structurally sound and designed to modern engineering standards, which typically consist of buildings constructed since the 1990s. A conservative vibration limit of 0.3 in/sec PPV has been used for buildings that are found to be structurally sound but where structural damage is a major concern (see Table 3 above for further explanation). The 0.3 in/sec PPV vibration limit would be applicable to properties in the immediate vicinity of the project site since there are no known historic buildings in the vicinity.

Vibration levels exceeding these thresholds would be capable of cosmetically damaging adjacent buildings but would not be expected to result in minor or major damage. Cosmetic damage (also known as threshold damage) is defined as hairline cracking in plaster, the opening of old cracks, the loosening of paint or the dislodging of loose objects. Minor damage is defined as hairline cracking in masonry or the loosening of plaster. Major structural damage is defined as wide cracking or the shifting of foundation or bearing walls.

Table 14 presents typical vibration levels that could be expected from construction equipment at a distance of 25 feet. Project construction activities, such as drilling, the use of jackhammers, rock drills and other high-power or vibratory tools, and rolling stock equipment (tracked vehicles, compactors, etc.), may generate substantial vibration in the immediate vicinity. Jackhammers typically generate vibration levels of 0.035 in/sec PPV, and drilling typically generates vibration levels of 0.09 in/sec PPV at a distance of 25 feet.

Vibration levels would vary depending on soil conditions, construction methods, and equipment used. Table 14 also summarizes the distances to the 0.3 in/sec PPV threshold for all buildings.

TABLE 14 Vibration Source Levels for Construction Equipment

Equipment		PPV at 25 ft. (in/sec)	Minimum Distance to Meet 0.3 in/sec PPV (feet)
Clam shovel drop		0.202	18
Hydromill (slurry wall)	in soil	0.008	1
	in rock	0.017	2
Vibratory Roller		0.210	19
Hoe Ram		0.089	9
Large bulldozer		0.089	9
Caisson drilling		0.089	9
Loaded trucks		0.076	8
Jackhammer		0.035	4
Small bulldozer		0.003	<1

Source: Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, Office of Planning and Environment, U.S. Department of Transportation, September 2018, as modified by Illingworth & Rodkin, Inc., January 2023.

Table 15 summarizes the vibration levels at each of the surrounding buildings in the project vicinity. Vibration levels are highest close to the source and then attenuate with increasing distance at the rate $\left({D_{ref}}/{D}\right)^{1.1}$, where D is the distance from the source in feet and D_{ref} is the reference distance of 25 feet. While construction noise levels increase based on the cumulative equipment in use simultaneously, construction vibration levels would be dependent on the location of individual pieces of equipment. That is, equipment scattered throughout the site would not generate a collective vibration level, but a vibratory roller, for instance, operating near the project site boundary would generate the worst-case vibration levels for the receptor sharing that property line. Further, construction vibration impacts are assessed based on damage to buildings on receiving land uses, not receptors at the nearest property lines. Therefore, the distances used to propagate construction vibration levels (as shown in Table 15), which are different than the distances used to propagate construction noise levels (as shown in Table 8), were estimated under the assumption that each piece of equipment from Table 14 was operating at the nearest construction area on the project site to the nearest receiving building, which would represent the worst-case scenario.

As shown in Table 15, the nearest structure adjoining the project site would be the residential structures to the east and the office and commercial buildings to the south, which are 65 feet or more from the nearest construction work at the project site. At these distances, all buildings would be exposed to vibration levels at or below 0.073 in/sec PPV, which is below the State's 0.3 in/sec

PPV threshold. All other buildings in the project vicinity would be exposed to lower vibration levels due to project construction.

Neither cosmetic, minor, or major damage would occur at conventional buildings surrounding the project site. At these locations, and in other surrounding areas where vibration would not be expected to cause cosmetic damage, vibration levels may still be perceptible. However, as with any type of construction, this would be anticipated and would not be considered significant, given the intermittent and short duration of the phases that have the highest potential of producing vibration (use of jackhammers and other high-power tools). By use of administrative controls, such as notifying neighbors of scheduled construction activities and scheduling construction activities with the highest potential to produce perceptible vibration during hours with the least potential to affect nearby businesses, perceptible vibration can be kept to a minimum.

TABLE 15 Vibration Levels at Nearest Receptors

Equipment		PPV (in/sec)			
		East Residential (65ft)	Northwest Residential (110ft)	South Distant Residential (765ft)	South Offices & Commercial (65ft)
Clam shovel drop		0.071	0.040	0.005	0.071
Hydromill (slurry wall)	in soil	0.003	0.002	0.0002	0.003
	in rock	0.006	0.003	0.0004	0.006
Vibratory Roller		0.073	0.041	0.005	0.073
Hoe Ram		0.031	0.017	0.002	0.031
Large bulldozer		0.031	0.017	0.002	0.031
Caisson drilling		0.031	0.017	0.002	0.031
Loaded trucks		0.027	0.015	0.002	0.027
Jackhammer		0.012	0.007	0.001	0.012
Small bulldozer		0.001	0.001	0.0001	0.001

Source: Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, Office of Planning and Environment, U.S. Department of Transportation, September 2018, as modified by Illingworth & Rodkin, Inc., January 2023.

In summary, the construction of the project would not generate vibration levels exceeding the State's 0.3 in/sec PPV threshold at conventional buildings surrounding the project site. No potential for this site would generate perceptible vibration levels during daily operations. This would be a less-than-significant impact.

Recommended Condition 2: None required.

Impact 3: **Excessive Aircraft Noise.** The project site is located more than 10 miles from the nearest airports in the area. The noise environment attributable to these aircrafts are considered normally acceptable. This is a **less-than-significant** impact.

The project site is more than 10 miles from San Rafael Airport, Buchanan Field Airport, and Oakland International Airport. Therefore, the project site would lie well outside the 60 dBA CNEL/DNL contour lines for all airports. The proposed project would be compatible with the City's exterior noise standards for aircraft noise. This would be a less-than-significant impact.

Recommended Condition 3: None required.

Cumulative Impacts

Cumulative noise impacts would include temporary construction noise from cumulative construction projects. From the City's website,[3] the following planned or approved projects are located within 1,000 feet of the proposed project:

- **811 San Pablo Avenue (SAHA)** – this project is located approximately 765 feet south of the project and is bound by the residences located south of San Pablo Avenue. This project consists of 33 residential units, which would be 100% affordable housing complex. This project has been approved, but construction has not started. The residential receptors identified in this report as distant residences to the south would have direct exposure to the 811 San Pablo Avenue site but would have minimal exposure to the proposed Pinole Shores project site. These noise-sensitive receptors would be over 500 feet from the Pinole Shores project site, and the noise generated by the 811 San Pablo Avenue site and traffic along San Pablo Avenue dominate these receptors, with the Pinole Shores construction causing minimal disruption. This would not be considered a significant cumulative construction impact.

No other planned or approved projects are located within 1,000 feet of the project site. Therefore, potential cumulative construction impacts would be less-than-significant.

For a substantial permanent cumulative noise increase to occur at operation, two qualifications must be met: 1) if the cumulative plus project traffic volumes result in a noise level increase at sensitive receptors of 5 dBA DNL or greater, with a future noise level of less than 60 dBA DNL, or of 3 dBA DNL or greater, with a future noise level of 60 dBA DNL or greater, compared to existing traffic volumes; and 2) if the cumulative plus project traffic volumes result in a 1 dBA DNL or more noise level increase compared to cumulative (no project) conditions, which would be considered a cumulatively considerable contribution to the overall traffic noise increase.

The traffic study included cumulative and cumulative plus project volumes at two intersections in the vicinity of the project site. Table 16 summarizes the noise level difference calculated by comparing both the cumulative (no project) and cumulative plus project traffic scenarios to the existing scenario. As shown in Table 16, no roadway segments would result in a noise level increase of 3 dBA DNL or more under either cumulative (no project) or cumulative plus project scenarios. Further, the same increase of 2 dBA DNL or less was calculated for both traffic scenarios when compared to the existing volumes. Therefore, the project would not result in cumulative traffic noise increase of 1 dBA DNL or more. There would not be a cumulative noise level increase at project operation.

[3] https://www.ci.pinole.ca.us/city_government/planning/current_projects

TABLE 16 Estimated Noise Level Increases of Cumulative and Cumulative Plus Project Traffic Volumes Over Existing Volumes at Receptors in the Project Vicinity

Roadway	Segment	Estimated Noise Level Increase Over Existing Volumes, dBA DNL		Project's Contribution, dBA DNL
		Cumulative	Cumulative Plus Project	
Meadow Avenue	South of San Pablo Avenue	2	2	0
Pinon Avenue	North of San Pablo Avenue	1	1	0
Appian Way	South of San Pablo Avenue	2	2	0
San Pablo Avenue	East of Pinon Avenue/Appian Way	2	2	0
	Pinon Avenue/Appian Way to Meadow Avenue	2	2	0
	West of Meadow Avenue	2	2	0

APPENDIX A

FIGURE A1 Daily Trend in Noise Levels for LT-1, Wednesday, October 19, 2022

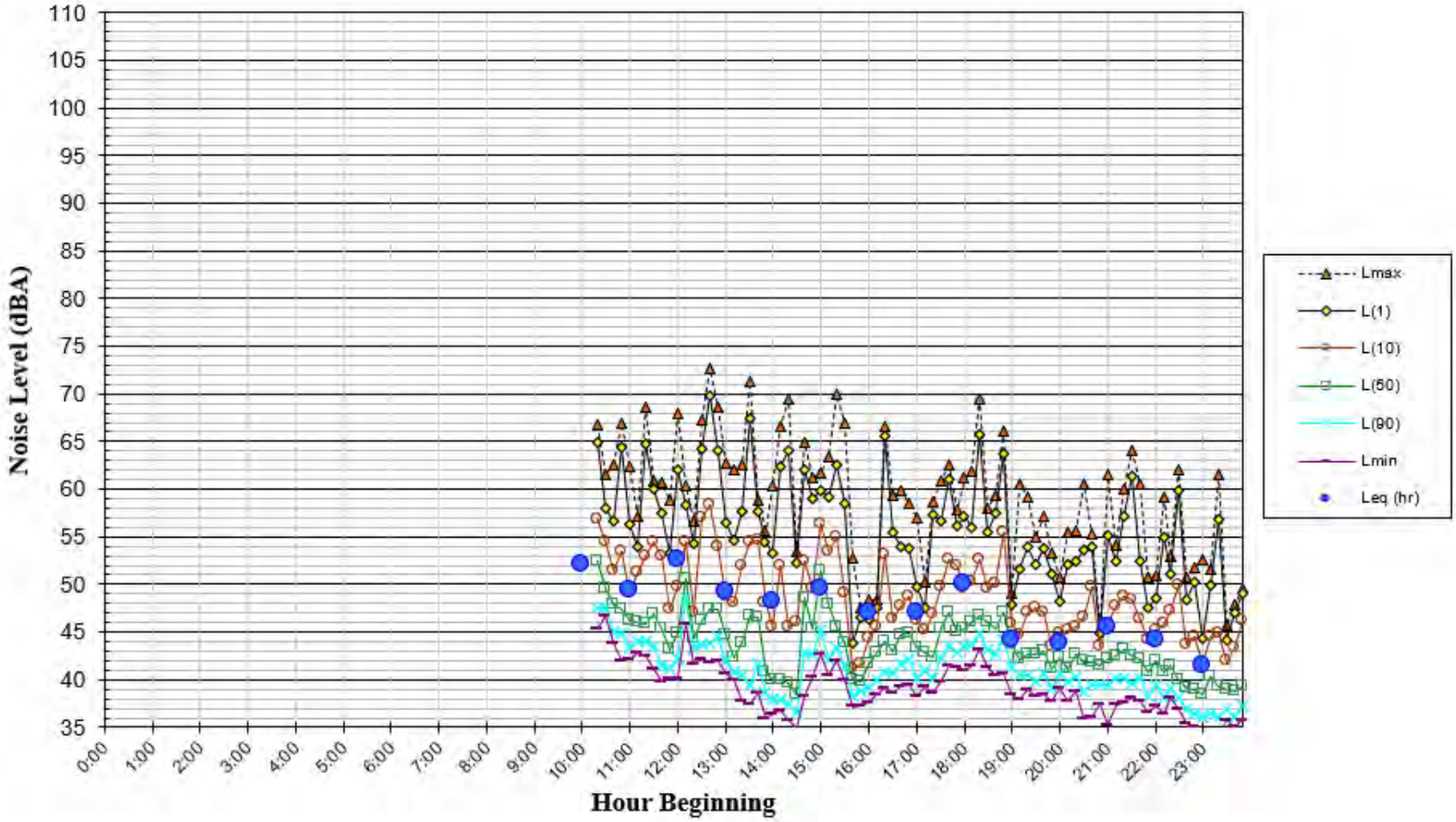


FIGURE A2 Daily Trend in Noise Levels for LT-1, Thursday, October 20, 2022

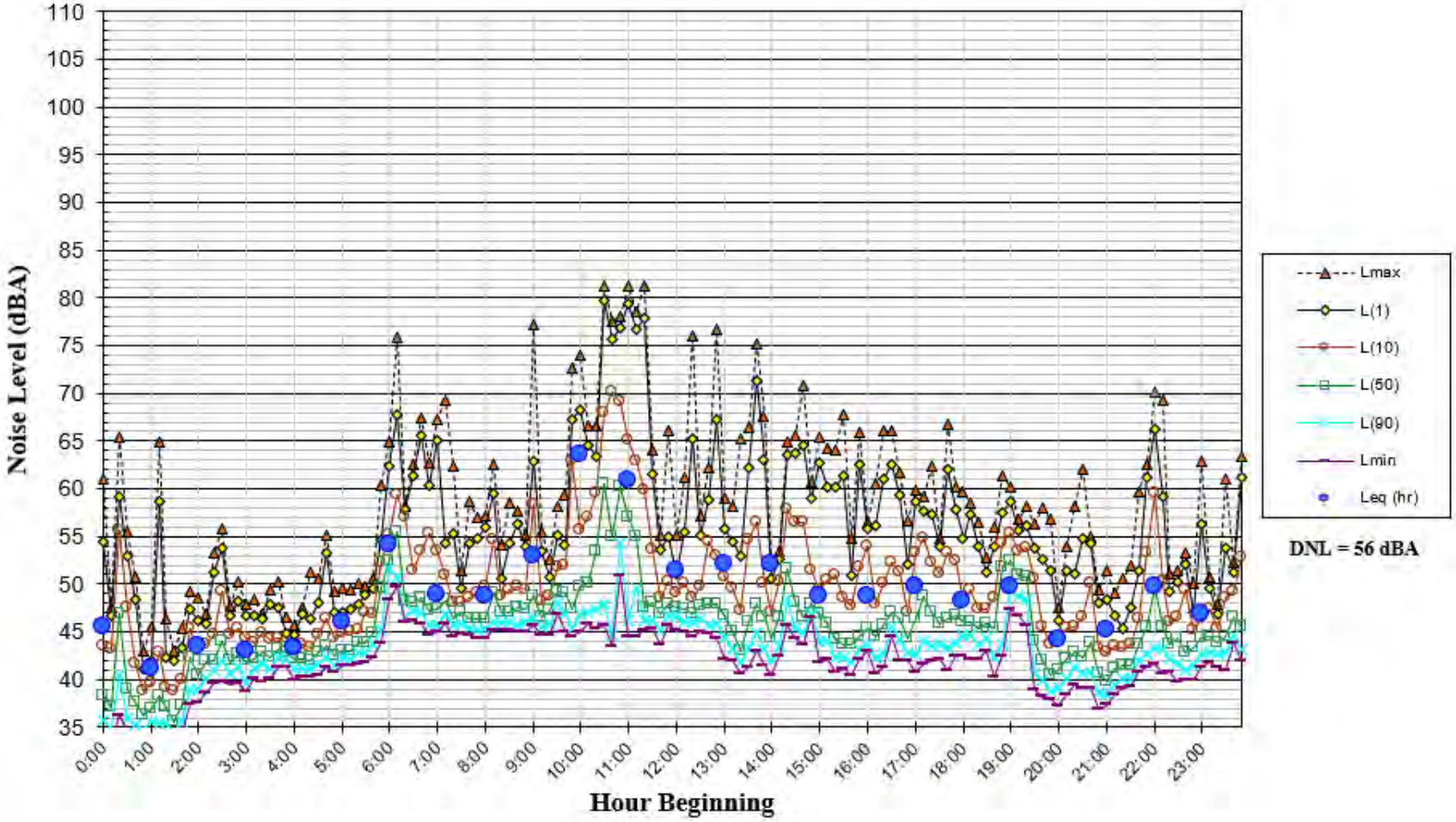


FIGURE A3 Daily Trend in Noise Levels for LT-1, Friday, October 21, 2022

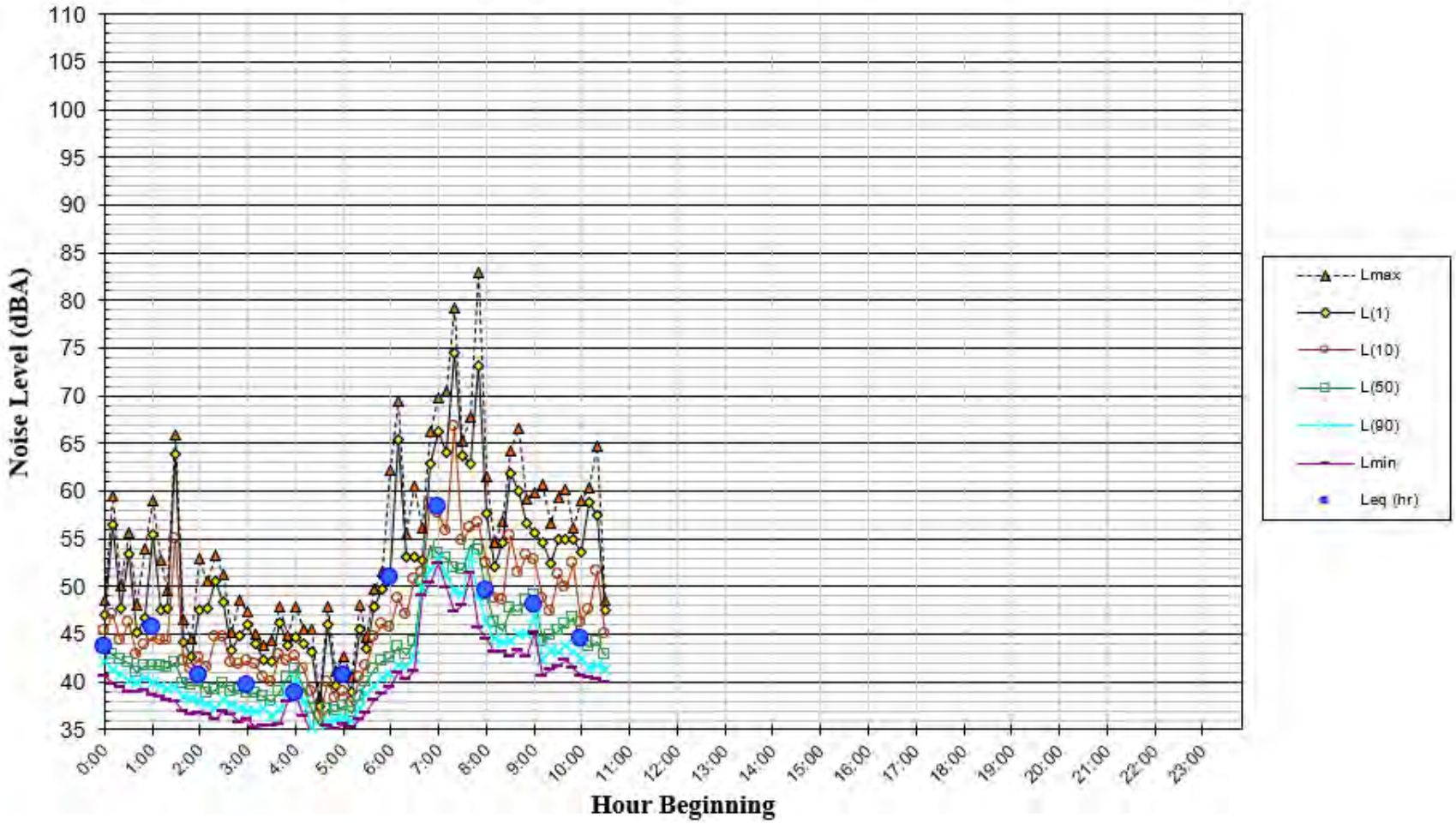


FIGURE A4 Daily Trend in Noise Levels for LT-2, Wednesday, October 19, 2022

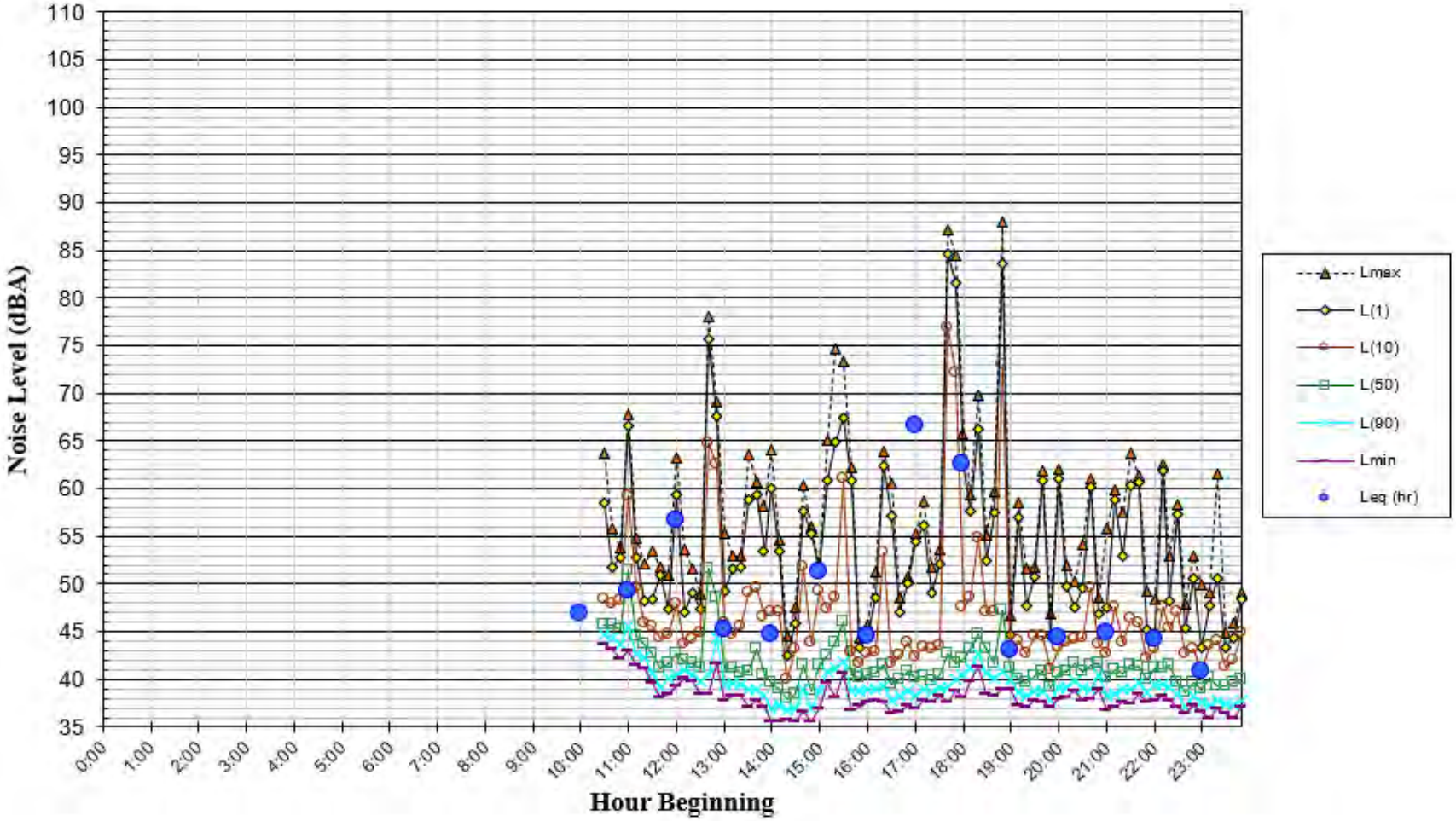


FIGURE A5 Daily Trend in Noise Levels for LT-2, Thursday, October 20, 2022

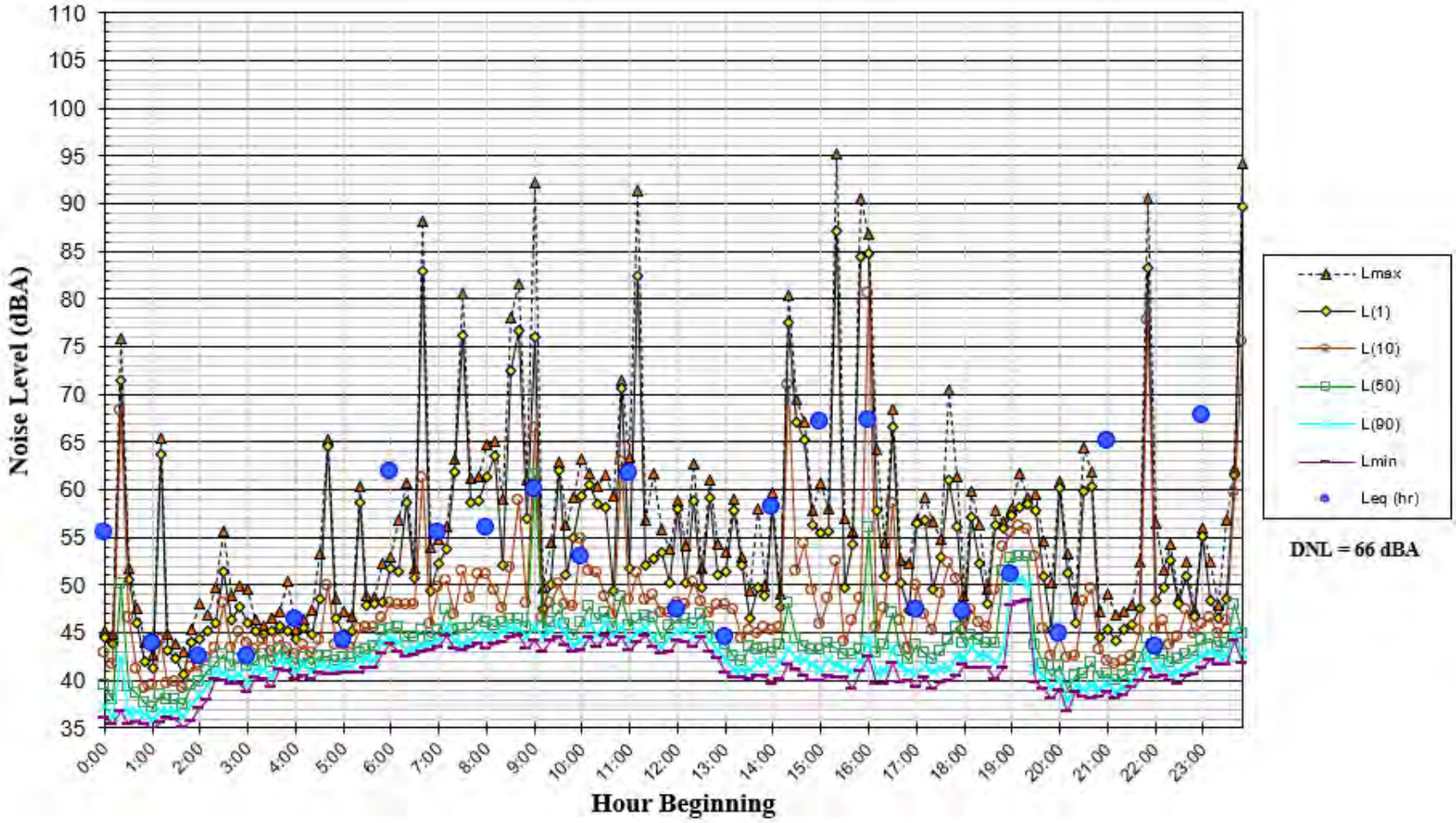
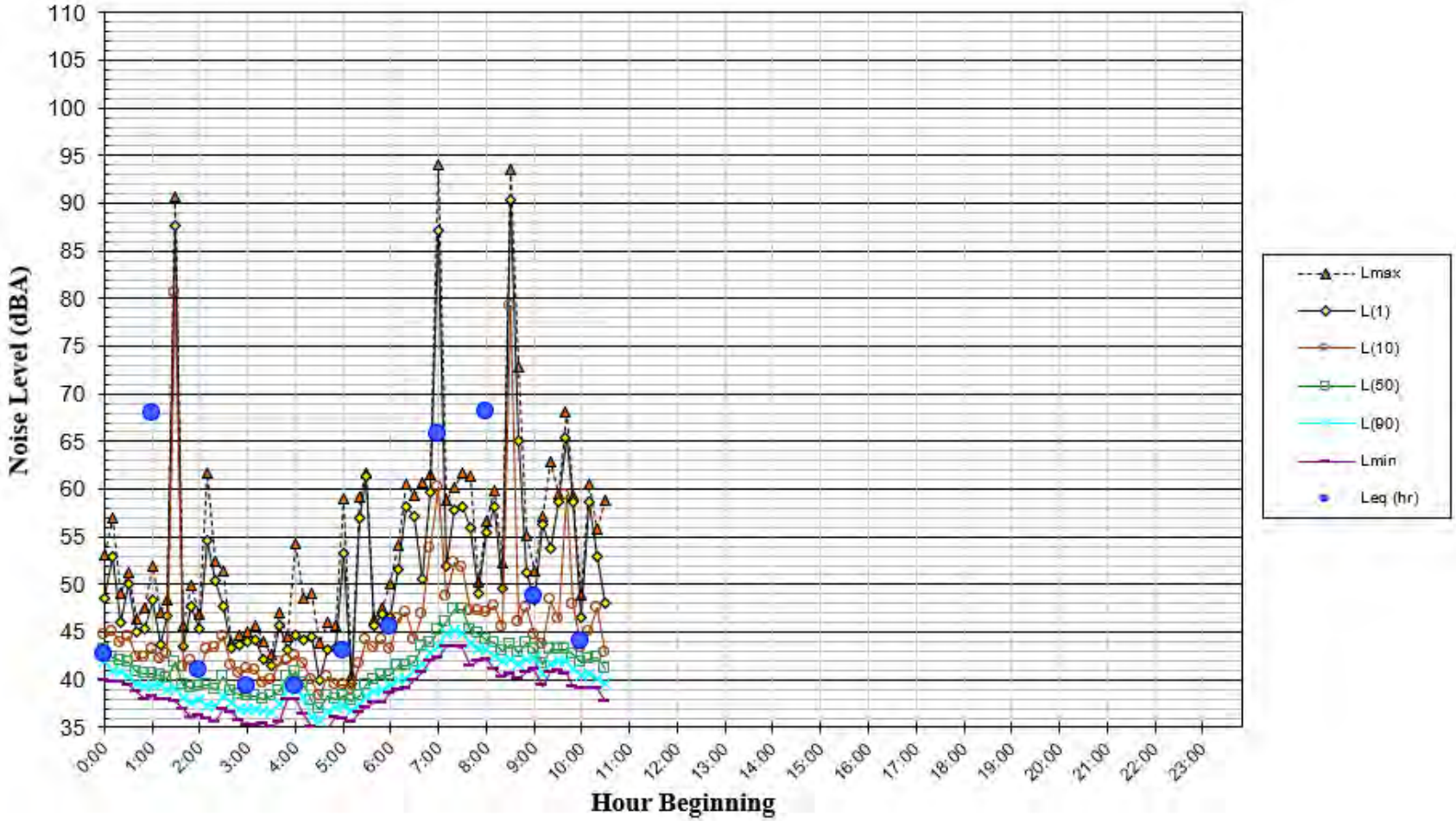


FIGURE A6 Daily Trend in Noise Levels for LT-2, Friday, October 21, 2022



FEHR PEERS

Memorandum

Date: April 24, 2024

To: Olivia Ervin, M-Group

From: Sam Tabibnia and Ken Der, Fehr & Peers

Subject: Pinole Shores Project – Transportation Impact Analysis

OK22-0492

This memorandum summarizes the Transportation Impact Analysis conducted by Fehr & Peers for the proposed Pinole Shores Project (the project) in Pinole, CA. Based on a site plan dated November 2023, the project would consist of an approximately 121,700 square-foot industrial laundry facility.

Based on our evaluation:

- The project does not meet any of the Contra Costa Transportation Authority's (CCTA) screening criteria for Vehicles Miles Traveled (VMT) impact. However, based on a detailed analysis, the project would have a less than significant impact on VMT.
- The project would generate approximately 700 daily, 107 AM peak hour, and 90 PM peak hour passenger car equivalent (PCE)[1] trips.
- The San Pablo Avenue/Meadow Avenue/Project Driveway intersection may meet the peak hour signal warrant with the addition of the traffic generated by the proposed project; therefore, the following are recommended:
    - **Recommendation 1:** Prior to the occupancy of the project, convert the Project Driveway and the Meadow Avenue approaches at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection to right-turns only by prohibiting left-turns and through movements via signage and striping. The Project Driveway approach at the intersection shall also be narrowed from two lanes to one lane.
    - **Recommendation 2:** Lengthen the eastbound left turn pocket on San Pablo Avenue from 60 to 130 feet, increasing the queue storage for large trucks. The current 60-foot left-turn pocket can accommodate only one WB-67 truck and other vehicles

[1] Passenger car equivalent (PCE) is used to convert truck and bus trips to passenger car trips to account for trucks and buses being larger and moving slower than passenger cars.

queuing on the eastbound left-turn pocket would spill back onto the through travel lanes on San Pablo Avenue.

- **Recommendation 3:** Relocate the existing crosswalk across the project driveway closer to the intersection to align with the existing sidewalk along the north side of San Pablo Avenue, which would provide additional queue storage for vehicles exiting the project site and improve pedestrian circulation along the project frontage.
- **Recommendation 4:** Install a new stop sign with pavement markings at the private parking lot intersection immediately north of the intersection with San Pablo Avenue, which would minimize queuing within the project site, maintain access to the drive aisle just north of the project driveway, and minimize the inbound project queues spilling back onto San Pablo Avenue.
- **Recommendation 5:** Within one year after the full occupancy of the project, install a traffic signal at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection, unless a full signal warrant study has been completed for the intersection that shows a signal is not needed. If a signal is installed at the intersection, the right-turn only restrictions at the Project Driveway and the Meadow Avenue approaches of the intersection shall be removed and the Project Driveway approach at the intersection shall be widened to two lanes.

The remainder of this memorandum provides more detail on our assumptions and findings on these topics.

Project Description

The project site is located at 830 San Pablo Avenue and is currently a 7.4-acre vacant lot. Based on the site plan dated November 2023 and provided in **Appendix A**, the project would consist of a single building providing about 121,700 square feet of space for an industrial laundry facility. The project site is about 700 feet north of San Pablo Avenue.

The project would provide 125 passenger vehicle parking spaces, 6 ADA parking spaces, 5 truck parking spaces, and 18 loading docks. Access to the site would be provided through one existing driveway on San Pablo Avenue which is shared with other uses located between the project site and San Pablo Avenue. The driveway is located opposite Meadow Avenue with all movements allowed at the intersection and stop signs on the minor northbound and southbound approaches.

VMT Assessment

This section presents the effects of the project on VMT using guidelines, thresholds of significance, and screening criteria for evaluating VMT in CEQA documents as recommended by CCTA.

California Senate Bill 743

On September 27, 2013, California Governor Jerry Brown signed SB 743 into law and started a process that changed the way transportation impact analysis is conducted as part of CEQA compliance. These changes include elimination of automobile delay, LOS, and other similar measures of vehicular capacity or traffic congestion as a basis for determining significant impacts under CEQA. According to SB 743, these changes are intended to "more appropriately balance the needs of congestion management with statewide goals related to infill development, promotion of public health through active transportation, and reduction of greenhouse gas emissions."

In December 2018, the State Office of Planning and Research (OPR) completed an update to the CEQA Guidelines to implement the requirements of SB 743. The Guidelines state that VMT must be the metric used to determine significant transportation impacts. The Guidelines require all lead agencies in California to use VMT-based thresholds of significance in CEQA documents published after July 2020.

The OPR Guidelines recommend developing screening criteria for development projects that meet certain criteria that can readily lead to the conclusion that they would not cause a significant impact on VMT. The OPR Guidelines also recommend evaluating VMT impacts using an efficiency-based version of the metric, such as VMT per resident for residential developments and/or VMT per worker for office or other employment-based developments.

While the City of Pinole has not developed their screening criteria or thresholds of significance for VMT assessment, the CCTA, which supports travel demand modeling for all jurisdictions in the county, has developed VMT screening criteria, analysis methodologies, and thresholds of significance. Therefore, this analysis uses the screening criteria, analysis methodologies, and the thresholds of significance recommended by CCTA as described in the *VMT Analysis Methodology for Land Use Projects in Contra Costa Technical Memorandum* (CCTA VMT Methodology Memorandum, March 2022).

VMT Definitions

Terms used for VMT screening and estimation are defined below:

- **Home-work VMT –** VMT associated with commute trips between a residence and an employment-generating use, also referred to as home-based-work or commute trips. Home-work VMT per worker is defined as the total VMT generated by workers in a geographic area commuting between home and work and tracked throughout the regional network on a typical weekday divided by the number of workers in that geographic area.
- **Local Serving Uses –** Land uses that are expected to draw users from a local area, typically no more than a 2- to 3-mile radius. The definition of local-serving uses may vary

by jurisdiction. These uses may generally include local-serving public facilities such as a branch library, a police or fire station, neighborhood-based schools, and local-serving retail businesses such as grocery stores, coffee shops or dry cleaners.

- **Transit Priority Areas (TPAs) –** TPAs are areas of close proximity to a significant transit mode, defined as one-half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor. Public Resources Code, § 21064.3 defines "major transit stop" as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of 15 minutes or less during the morning and afternoon peak commute periods. Public Resources Code, § 21155 defines a "high-quality transit corridor" as a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

VMT Screening

According to the CCTA *VMT Methodology Memorandum,* screening thresholds can be used to quickly identify projects that can be expected to cause a less than significant impact without conducting a detailed study. The CCTA *VMT Methodology Memorandum* recommended screening thresholds and their applicability to the project are described below.

- **Small Projects –** Projects that have fewer than 10,000 square feet of non-residential space or 20 residential units or less may be assumed to cause a less than significant VMT impact. The project would have over 10,000 square feet of non-residential space, therefore it would not meet this screening threshold.
- **Local-Serving Uses –** Projects that consist of local-serving uses can be presumed to have a less than significant impact, since they would primarily draw users and customers from a relatively small geographical area. The project would likely not include any local-serving public facilities and a warehouse or R&D use would draw users from an area greater than a 2- to 3-mile radius. It would not meet this screening threshold.
- **Located in TPAs –** Projects located within a TPA can be presumed to have a less than significant impact, unless the project meets one or more of the following:

    1. Has a Floor Area Ratio (FAR) of less than 0.75;
    2. Includes more parking for use by residents, customers, or employees than required by the lead agency (if the agency allows but does not require the project to supply a certain amount of parking);
    3. Is inconsistent with the applicable Sustainable Communities Strategy (SCS) (as determined by the lead agency, with input from the Metropolitan Transportation Commission (MTC)); or
    4. Results in a net reduction in multi-family housing units.

WestCAT, the bus service provider in western Contra Costa County, operates Routes C3 and JL/JR along San Pablo Avenue with connections to Contra Costa College, Hercules Transit Center, and the El Cerrito del Norte BART station with combined weekday headways of 15 minutes during the weekday peak commute periods (as of April 2024). The nearest Route C3 and JL/JR bus stops to the project site are located on both directions of San Pablo Avenue at Meadow Avenue and the access driveway to the site. Thus, this segment of San Pablo Avenue is classified as a high-quality transit corridor, and the project is located in a TPA. However, the project cannot be presumed to have a less than significant impact as it would not satisfy the first condition for this screening threshold as described below:

1. It would have an FAR of 0.38, which is less than 0.75;
2. The project would include 131 parking spaces. City of Pinole Municipal Code Section 17.48.050 requires one parking space per 1,000 square feet of space plus one parking space per four employees for warehousing, wholesaling, research, and other industrial uses. A general light industrial use typically has 0.7 employees per 1,000 square feet. Thus, the project would be required to provide up to 143 parking spaces. Since the project would provide fewer parking spaces than required by the Code, it would not include more parking for use by customers or employees than required by the lead agency;
3. The project is located in the Pinole Old Town San Pablo Avenue Priority Development Area (PDA) and is therefore, not inconsistent with the applicable SCS; and
4. The project would not demolish any existing housing units and would therefore not result in a net reduction in multi-family housing units.

- **Located in Low VMT Areas –**Employment-generating projects located within a low VMT-generating area can be presumed to have a less than significant impact. CCTA defines Low VMT areas as follows:

  - For employment-generating projects: Cities and unincorporated portions of CCTA's five subregions that have existing home-work VMT per worker that is 85% or less of the existing regional average. Based on the data developed by CCTA using the Countywide Travel Demand Model (CCTA Model), the City where the project is located (Pinole) has an existing home-work VMT per worker of 13.6, which is not less than 85% of the regional average home-work VMT per worker of 13.2 (the existing regional home-work VMT per worker is 15.6). Therefore, the project would not meet this screening threshold.

Since the project does not meet any of the screening thresholds, a more detailed evaluation of the project's VMT impact is required.

Detailed VMT Analysis

The detailed VMT evaluation for the project is conducted using the CCTA Travel Demand Model. The CCTA Model is a is a regional travel demand model that uses socio-economic data and roadway and transit network assumptions to forecast traffic volumes, transit ridership, and VMT using a four-step modeling process that includes trip generation, trip distribution, mode split, and trip assignment. This process accounts for changes in travel patterns due to future growth and expected changes in the transportation network. The CCTA Model, which encompasses the entire nine-county Bay Area region, with additional zonal and network detail within Contra Costa County, is based on the Metropolitan Transportation Commission (MTC) Plan Bay Area 2040 (i.e., Sustainable Communities Strategy) transportation network and land uses for 2020 and 2040.

As a regional planning tool, the CCTA Model was developed through an extensive model validation process and is intended to replicate existing vehicular travel behavior. Therefore, it can provide a reasonable estimate of the VMT generated in various geographic areas on a typical weekday, as well as estimate future VMT that reflects planned local and regional land use and transportation system changes.

Since the project would be an "employment-generating project," the home-work VMT per worker metric is used to generate VMT estimates. As recommended in the CCTA *VMT Methodology Memorandum*, the project is added to the baseline land use database in the Model to estimate the home-work VMT per worker for the project.

According to the CCTA, the project generated home-work VMT per worker constitutes a significant impact if it exceeds the following significance thresholds, whichever is less stringent: 1) 85% of the home-work VMT per worker in the subject municipality (i.e., City of Pinole), or 2) 85% of the existing Bay Area region-wide average home-work VMT per worker. Since the existing average home-work VMT per worker is 13.6 for the City of Pinole and 15.6 for the Bay Area region, this analysis uses the 85% of the existing Bay Area region-wide average home-work VMT per worker as the significance threshold.

Table 1 summarizes the 2020 home-work VMT as estimated by the CCTA Model. The table also compares the home-work VMT per worker for the project with the region-wide average and 85% of the region-wide average, which is the significance threshold used to determine the significance of the VMT impact.

The 2020 home-work VMT per worker for the project is estimated to be 12.8. The 2020 home-work VMT per worker for the project would be below 85% of the region-wide Bay Area average. This VMT estimate does not account for the TDM Plan that the project would be required to implement. The project impact on VMT is less than significant under CEQA, and no mitigation is required.

Table 1: Daily Vehicle Miles Traveled Summary

Geography	2020 Home-Work VMT per Worker
Region-wide Average	15.6
85% of the Region-wide Average (i.e., Significance Threshold)	13.2
Project (TAZ 10215)	12.8
Below Threshold?	Yes

Source: CCTA Model, 2021; Fehr & Peers, 2024.

Trip Generation

Trip generation is the process of estimating the number of vehicles that would likely access the project site. Fehr & Peers estimated the trip generation for the project using the data and methodology published by the Institute of Transportation Engineers (ITE) in the *Trip Generation Manual*, *Eleventh Edition*. The ITE *Trip Generation Manual* provides trip generation data for various land use types based on observations at similar sites throughout the country.

The ITE *Trip Generation Manual* does not provide specific trip generation data for industrial laundry facilities. This analysis uses the data for general light industrial use (ITE Land Use Code 110) because it is the ITE land use category that best describes the project.

To present conservative results, this analysis uses the truck trip generation rates for a high-cube parcel hub warehouse (ITE Land Use Code 156) to estimate the truck trip generation. Since trucks are larger and operate slower than passenger vehicles, a PCE of 2.5 is used to convert the truck trips to passenger vehicle trips (each truck is counted as 2.5 passenger vehicles).

Table 2 presents the trip generation for the project. It is estimated that the project would generate about 700 daily, and 107 AM and 90 PM peak hour net new trips.

CCTA's Growth Management Program *Implementation Guide* (February 2021) requires the preparation of a traffic study that evaluates the impacts of a proposed development on traffic operations at nearby intersections for projects that would generate more than 100 net new peak hour trips and require a general plan amendment (GPA) and/or preparation of a detailed environmental study (i.e., negative declaration or EIR). Although the project would generate more than 100 net new peak hour trips, preparation of a traffic study is not required because the project would not require a GPA or a detailed environmental document. However, the next section of this memorandum summarizes the focused traffic operations analysis completed for the project.

Table 2: Project PCE Trip Generation

Land Use	Size[1]	Daily Trips	Weekday AM Peak Hour			Weekday PM Peak Hour		
			In	Out	Total	In	Out	Total
General Light Industrial[2]	121.7 KSF	593	79	11	90	11	68	79
Truck PCE Adjustment[3]		107	9	8	17	6	5	11
Total PCE Trips		*700*	*88*	*19*	*107*	*17*	*73*	*90*

Notes:
1. KSF = 1,000 square feet.
2. Based on vehicle trip generation rates in ITE *Trip Generation Manual, 11th Edition* land use category 110 (General Light Industrial) in General Urban/Suburban Setting:
   Daily: T = 4.87 * X
   AM Peak Hour: T = 0.74 * X
   PM Peak Hour: T = 0.65 * X
3. Based on truck trip generation rates in ITE *Trip Generation Manual, 11th Edition*, land use category 156 (High-Cube Parcel Hub Warehouse) in General Urban/Suburban Setting:
   Daily: T = 0.58 * X
   AM Peak Hour: T = 0.09 * X
   PM Peak Hour: T = 0.06 * X
   This trip generation estimate assumes a PCE of 2.5 for the truck trips.

Source: Fehr & Peers, 2024.

Traffic Operations Analysis

This section presents the traffic operations analysis completed for the project. Consistent with OPR guidelines which prohibit the use of delay-based metrics in environmental documents, the traffic operations analysis is conducted outside of the CEQA process. This section starts by describing trip distribution and trip assignment for the project, describing the methodologies used to evaluate traffic operations, followed by selection of study intersections, summary of traffic operations under Existing and Existing Plus Project conditions, and summary of project effects on delay and level of service (LOS) at the study intersections, signal warrants at the unsignalized study intersection, and recommended improvements.

Trip Distribution, Trip Assignment, and Study Intersection Selection

The trip distribution and assignment process estimates how the vehicle trips generated by the project would distribute across the roadway network. **Figure 1** shows the trip distribution and trip assignment at the study intersections. The directions of approach and departure for the project account for the project location, the street network serving the project site, location of complementary land uses, and consider the expected traffic congestion and travel times in the area. This analysis assumes that about 50% of trips would use I-80 and Appian Way, about 20% would use San Pablo Avenue from the north, and about 30% would use San Pablo Avenue from the south.

This analysis evaluates the AM and PM peak hour intersection operations at the following two study intersections under Existing and Existing Plus Project conditions:

1. San Pablo Avenue/Meadow Avenue/Project Driveway
2. San Pablo Avenue/Appian Way/Pinon Avenue

These intersections were selected for analysis because the proposed project would add 50 or more peak hour trips, and they are most likely to be affected by the proposed project.

Analysis Methodology and Tools

Intersection operations are described using the term "Level of Service" (LOS). LOS is a qualitative description of traffic flow based on factors such as speed, travel time, delay, and freedom to maneuver. Letter grades range from LOS A, with no congestion and little delay, to LOS F, which represents over-capacity conditions with excessive vehicle delay. The Transportation Research Board's *Highway Capacity Manual (HCM)* provides a methodology to calculate LOS at intersections based on average vehicle delay. **Appendix B** describes the various LOS and the corresponding ranges of delays for both signalized and unsignalized intersections based on HCM 2010 methodology. The Pinole General Plan does not outline any specific LOS goals, only a broad guideline to maintain acceptable LOS standards (generally LOS A to LOS D) for traffic operations outside of Old Town Pinole.

The Synchro 11 Software is used to estimate delay and the corresponding LOS. Synchro uses the equations provided in the 2010 HCM to calculate control delay. These equations use intersection characteristics, such as vehicle and pedestrian volumes, lane geometry, and signal phasings, as inputs in estimating control delay. At intersections that could not be evaluated using the 2010 HCM, the 2000 HCM is used.

Traffic Volumes

Existing traffic volumes at both study intersections were collected on Tuesday, November 15, 2022. **Appendix C** presents the detailed volume data for the study intersections. **Figure 2** shows the existing AM and PM peak hour intersection vehicle volumes (7:30 to 8:30 AM and 5:00 to 6:00 PM), lane configurations, and signal controls at the study intersections. **Figure 2** also shows the Existing Plus Project traffic volumes, which consists of traffic volumes under Existing No Project conditions plus traffic generated by the project (Figure 1). This analysis assumes no other roadway modifications at the study intersections under the Existing Plus Project conditions.

Intersection LOS Analysis

Based on the volumes, intersection controls, and roadway configurations presented on Figure 2, and the signal timings at the signalized study intersection provided by the City of Pinole, Fehr & Peers calculated the AM and PM peak hour LOS at the study intersections using the

methodologies presented above under Existing and Existing Plus Project conditions. **Table 4** summarizes the weekday AM and PM peak hour intersection LOS analysis results. **Appendix D** provides the detailed calculation worksheets.

As shown in Table 4, the signalized San Pablo Avenue/Appian Way/Pinon Avenue intersection operates at LOS D or better during the AM and PM peak hours under both the Existing and Existing Plus Project conditions. Thus, the intersection would be consistent with the City's LOS goal for signalized intersections outside of Old Town Pinole.

The unsignalized San Pablo Avenue/Meadow Avenue/Project Driveway intersection operates at an overall LOS A with the side-street stop-controlled approaches operating at LOS D during the AM peak hour and LOS E during the PM peak hour under Existing conditions. Under Existing Plus Project conditions, the intersection would continue to operate at an overall LOS A, but the side-street stop-controlled approach would operate at LOS E during the AM peak hour and LOS F during the PM peak hour. The application of the peak hour signal warrant to the unsignalized study intersection is described in the next subsection of this memorandum.

Table 4: Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Existing No Project		Existing Plus Project	
				Delay (Seconds) [1]	LOS [1]	Delay (Seconds) [1]	LOS [1]
1	San Pablo Avenue/Meadow Avenue/Project Driveway	Side-Street Stop	AM	1 (28)	A (D)	1 (36)	A (E)
			PM	1 (39)	A (E)	4 (74)	A (F)
2	San Pablo Avenue/Appian Way/Pinon Avenue[2]	Signal	AM	20	B	22	C
			PM	39	D	45	D

Notes
1. Average intersection delay and LOS based on the 2010 HCM method, unless noted. Average delay is reported for signalized intersections. Average delay and delay for the movement with the highest delay is reported for unsignalized intersections.
2. Average intersection delay and LOS based on the HCM 2000 method because the intersection cannot be evaluated in the 2010 HCM.

Source: Fehr & Peers, 2024.

Signal Warrants Analysis

To assess the need for signalization of stop-controlled intersections, the *California Manual on Uniform Traffic Control Devices* (MUTCD) includes eight signal warrants. Generally, meeting one or more of the signal warrants could justify signalization of an intersection. This analysis evaluates the California MUTCD peak hour vehicular volume warrants (Warrants 3A and 3B) for urban conditions for the stop-controlled San Pablo Avenue/Meadow Avenue/Project Driveway intersection. Satisfying one or more of these warrants could justify the installation of a signal at an

intersection. However, satisfying one or more of these warrants does not necessarily require the installation of a traffic signal at the intersection. **Appendix E** provides the detailed signal warrant worksheets.

The San Pablo Avenue/Meadow Avenue/Project Driveway intersection would meet Warrant 3B (peak-hour volume) primarily due to the traffic volume on the Project Driveway approach of the intersection during the PM peak hour under Existing Plus Project conditions. As shown in Table 4, the stop-controlled southbound Project Driveway approach at this intersection would operate at LOS F during the PM peak hour, primarily due to the left-turns out of the Project Driveway.

Recommended Improvements

In order to improve access and circulation at the intersection, the following improvements, as shown on **Figure 3**, are recommended:

- **Recommendation 1:** Prior to the occupancy of the project, convert the Project Driveway and the Meadow Avenue approaches at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection to right-turns only by prohibiting left-turns and through movements via signage and striping. The Project Driveway approach at the intersection shall also be narrowed from two lanes to one lane.
- **Recommendation 2:** Lengthen the eastbound left turn pocket on San Pablo Avenue from 60 to 130 feet, increasing the queue storage for large trucks (e.g., WB-40 and WB-67). The current 60-foot left-turn pocket can accommodate only one WB-67 truck and any other vehicles queuing on the eastbound left-turn pocket would spill back onto the through travel lanes on San Pablo Avenue.
- **Recommendation 3:** Relocate the existing crosswalk across the project driveway closer to the intersection to align with the existing sidewalk along the north side of San Pablo Avenue, which would provide additional queue storage for vehicles exiting the project site and improve pedestrian circulation along the project frontage.
- **Recommendation 4:** Install a new stop sign with pavement markings at the private parking lot intersection immediately north of the intersection with San Pablo Avenue, which would minimize queuing within the project site, maintain access to the drive aisle just north of the project driveway, and minimize the inbound project queues spilling back onto San Pablo Avenue.

Since the specific project tenants have not been determined, the following improvement, as shown on **Figure 4**, is recommended due to the uncertainty in forecasting future traffic volumes at the project driveway:

- **Recommendation 5:** Within one year after the full occupancy of the project, install a traffic signal at the San Pablo Avenue/Meadow Avenue/Project Driveway intersection, unless a full signal warrant study has been completed for the intersection that shows a signal is not needed. If a signal is installed at the intersection, the right-turn only restrictions at the Project Driveway and the Meadow Avenue approaches of the

intersection shall be removed and the Project Driveway approach at the intersection shall be widened to two lanes.

Table 5 summarizes the weekday AM and PM peak hour intersection LOS analysis for this intersection under Existing Plus Project conditions with the installation of a signal per Recommendation 5. The intersection would operate at LOS B or better during both AM and PM peak hours after signalization, meeting the City's LOS guidelines.

Table 5: Intersection LOS Summary with Improvements

#	Intersection	Peak Hour	Existing Plus Project			Existing Plus Project with Improvements		
			Traffic Control	Delay (Seconds)	LOS	Traffic Control	Delay (Seconds)	LOS
1	San Pablo Avenue/ Meadow Avenue/ Project Driveway	AM	Side-Street Stop	1 (36)	A (E)	Signal	10	A
		PM		4 (74)	A (F)		11	B

Notes
1. Average intersection delay and LOS based on the 2000 HCM method. Average delay is reported for signalized intersections. Average delay and delay for the movement or approach with the highest delay is reported for unsignalized intersections.

Source: Fehr & Peers, 2024.

Please contact Sam (stabibnia@fehrandpeers.com, 510-835-1943) with questions or comments.

Attachments:

Figure 1 – Project Trip Assignment and Distribution

Figure 2 – Peak Hour Intersection Traffic Volumes, Lane Configurations, and Traffic Controls

Figure 3 – San Pablo Avenue/Meadow Avenue/Project Driveway Conceptual Improvement Plans (Short-Term)

Figure 4 – San Pablo Avenue/Meadow Avenue/Project Driveway Conceptual Improvement Plans (Long-Term)

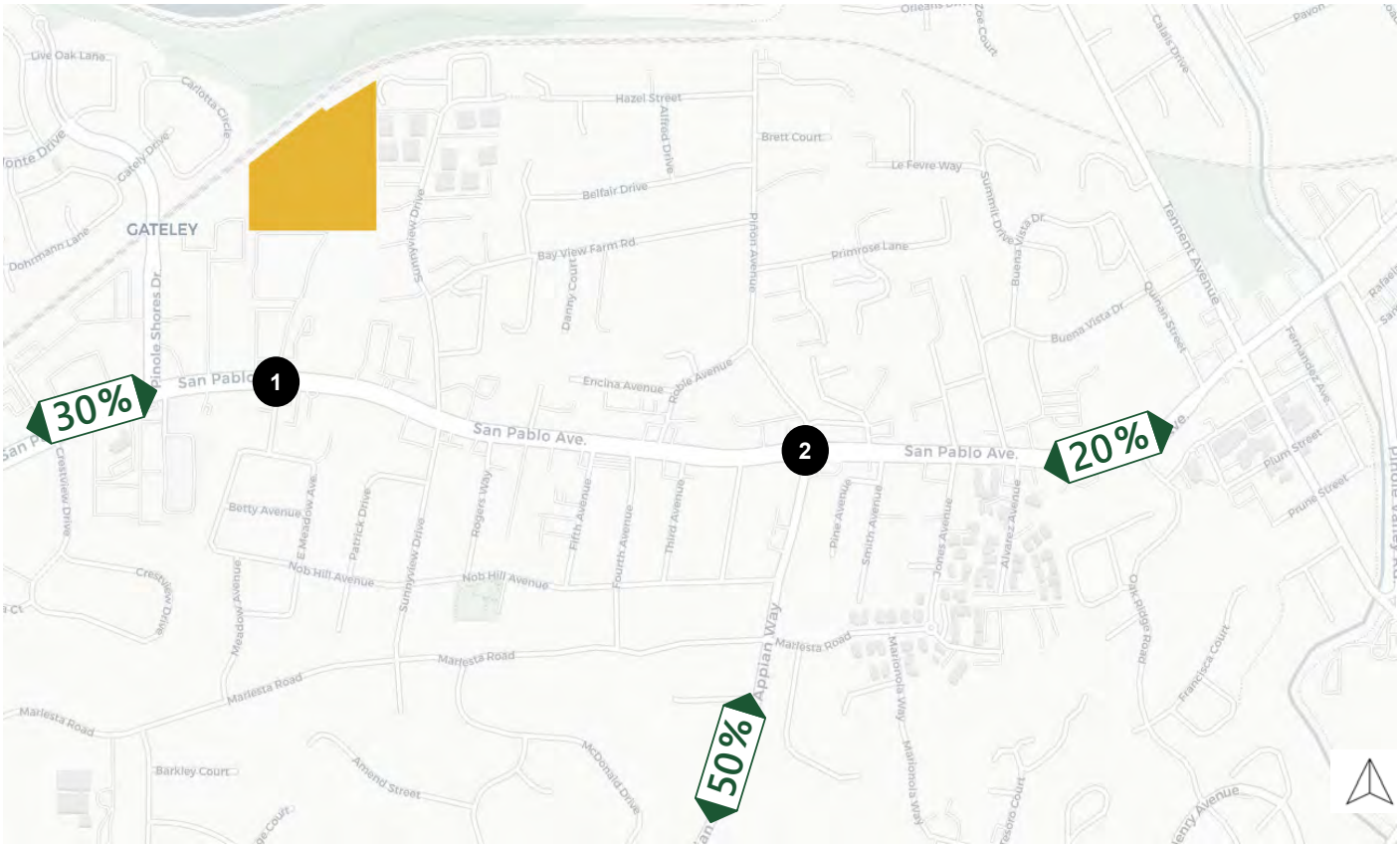
Appendix A – Project Site Plan

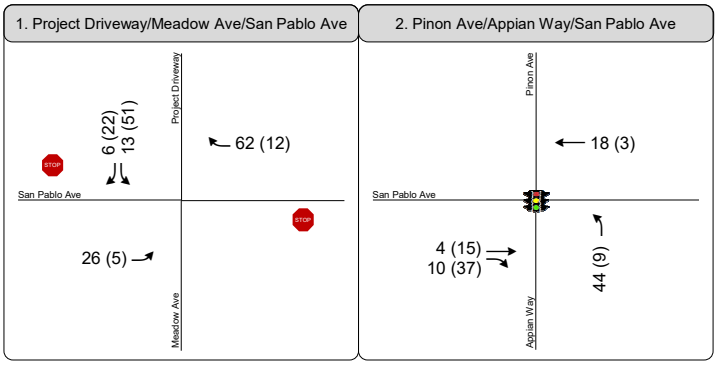
Appendix B – LOS Evaluation Criteria

Appendix C – Intersection Volumes

Appendix D – Intersection LOS worksheets

Appendix E – Signal Warrant worksheets





Project Site

Study Intersection

Signalized Intersection

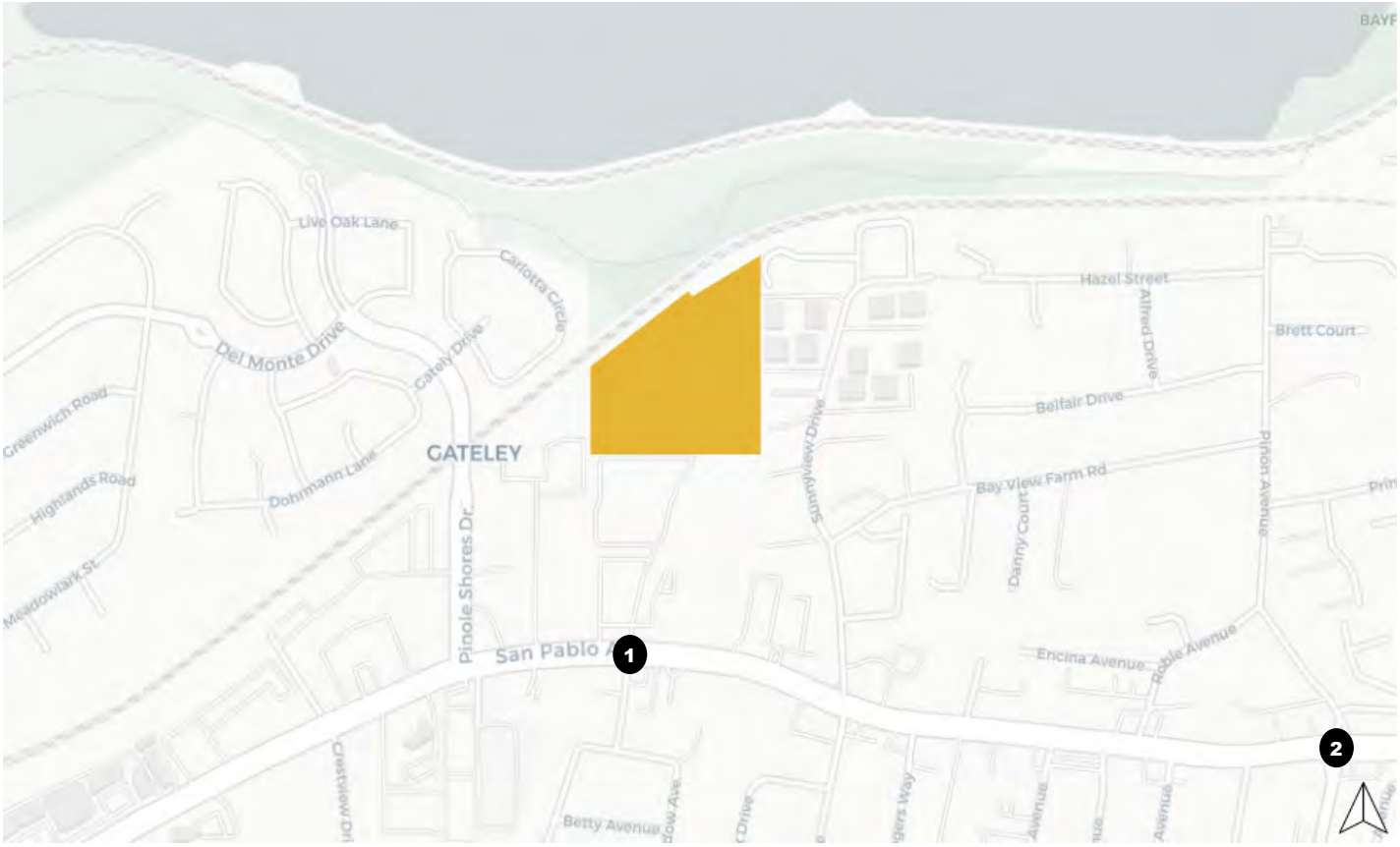
Stop Sign

XX (YY) AM (PM) Peak Hour Traffic Volumes

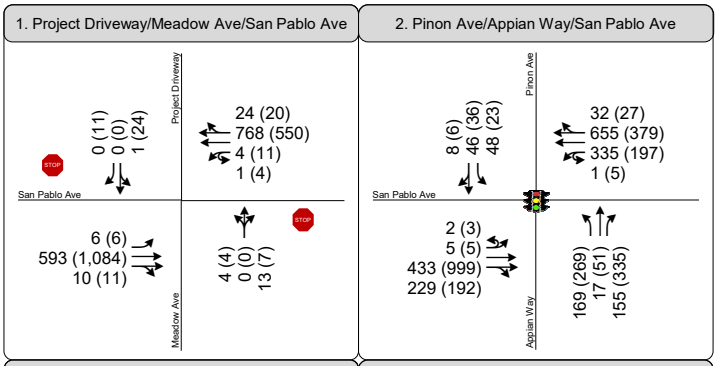
XX% Project Trip Distribution

Figure 1

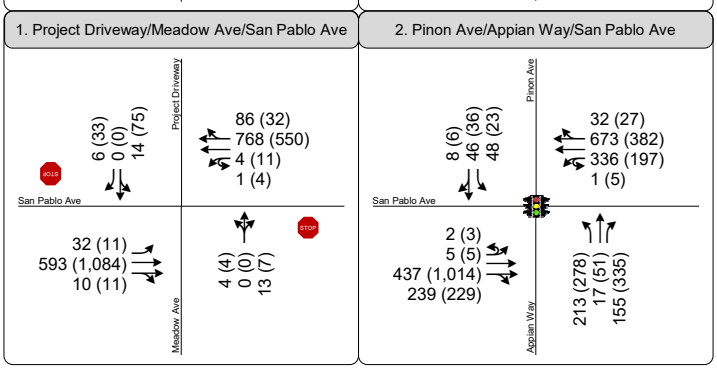
Project Trip Distribution and Assignment



Existing Conditions



Existing Plus Project Conditions



	Project Site
#	Study Intersection
	Signalized Intersection
STOP	Stop Sign
XX (YY)	AM (PM) Peak Hour Traffic Volumes
	Lane Configurations

Figure 2

Peak Hour Intersection Traffic Volumes, Lane Configurations, and Traffic Controls

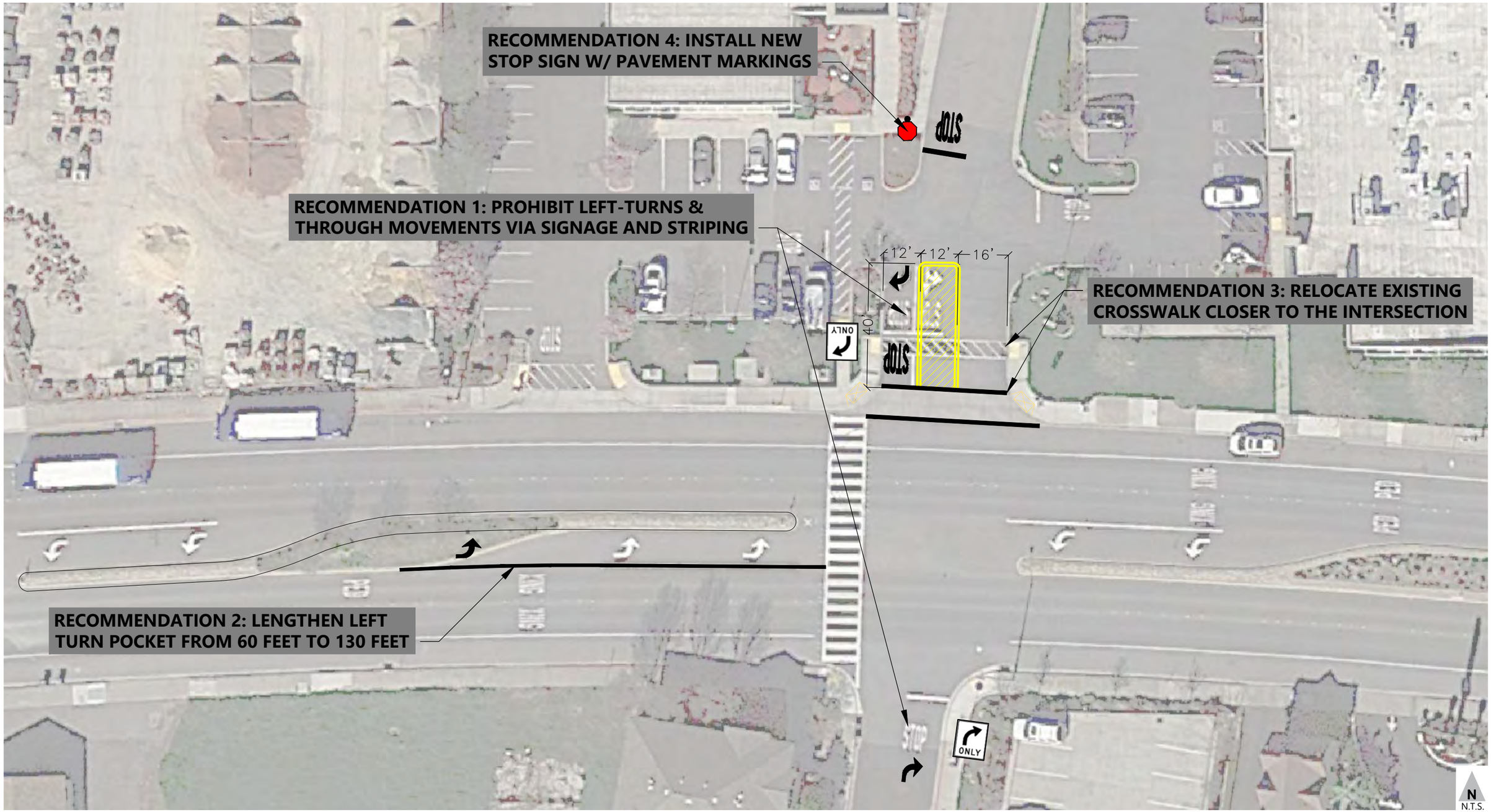


Figure 3

San Pablo Avenue/Meadow Avenue/Project Driveway Conceptual Improvements Plan (Short-Term)

CONCEPTUAL - NOT FOR CONSTRUCTION. ADDITIONAL DETAILED ANALYSIS AND ENGINEERING DESIGN REQUIRED.

CADD FILE: N:\Projects\2022\OK22-0492.00_Pinole_Shores_Project\Graphics\CAD\PS_Concept_Short-Term.dwg

Feb 21, 2023

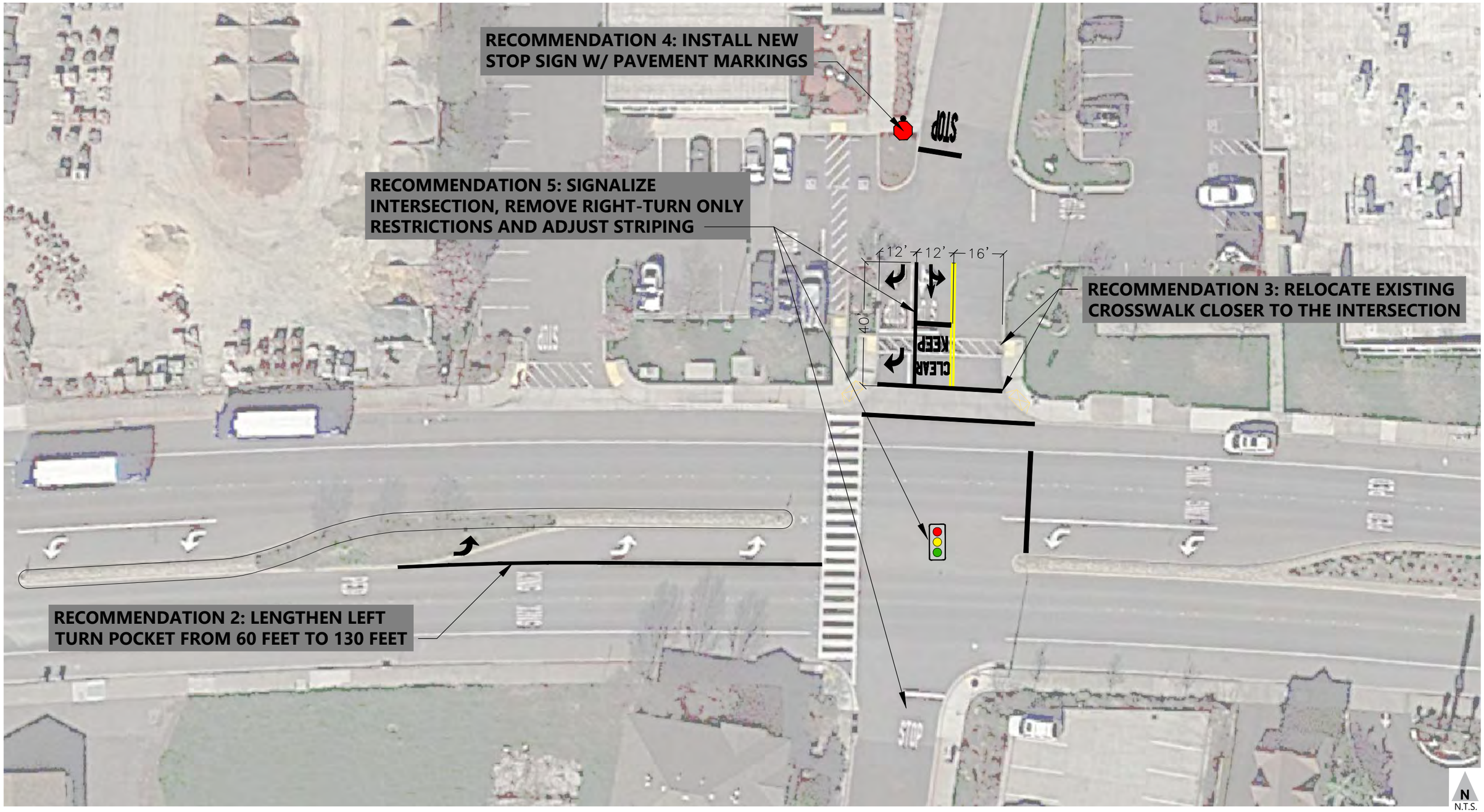


Figure 4

San Pablo Avenue/Meadow Avenue/Project Driveway Conceptual Improvements Plan (Long-Term)

CONCEPTUAL - NOT FOR CONSTRUCTION. ADDITIONAL DETAILED ANALYSIS AND ENGINEERING DESIGN REQUIRED.

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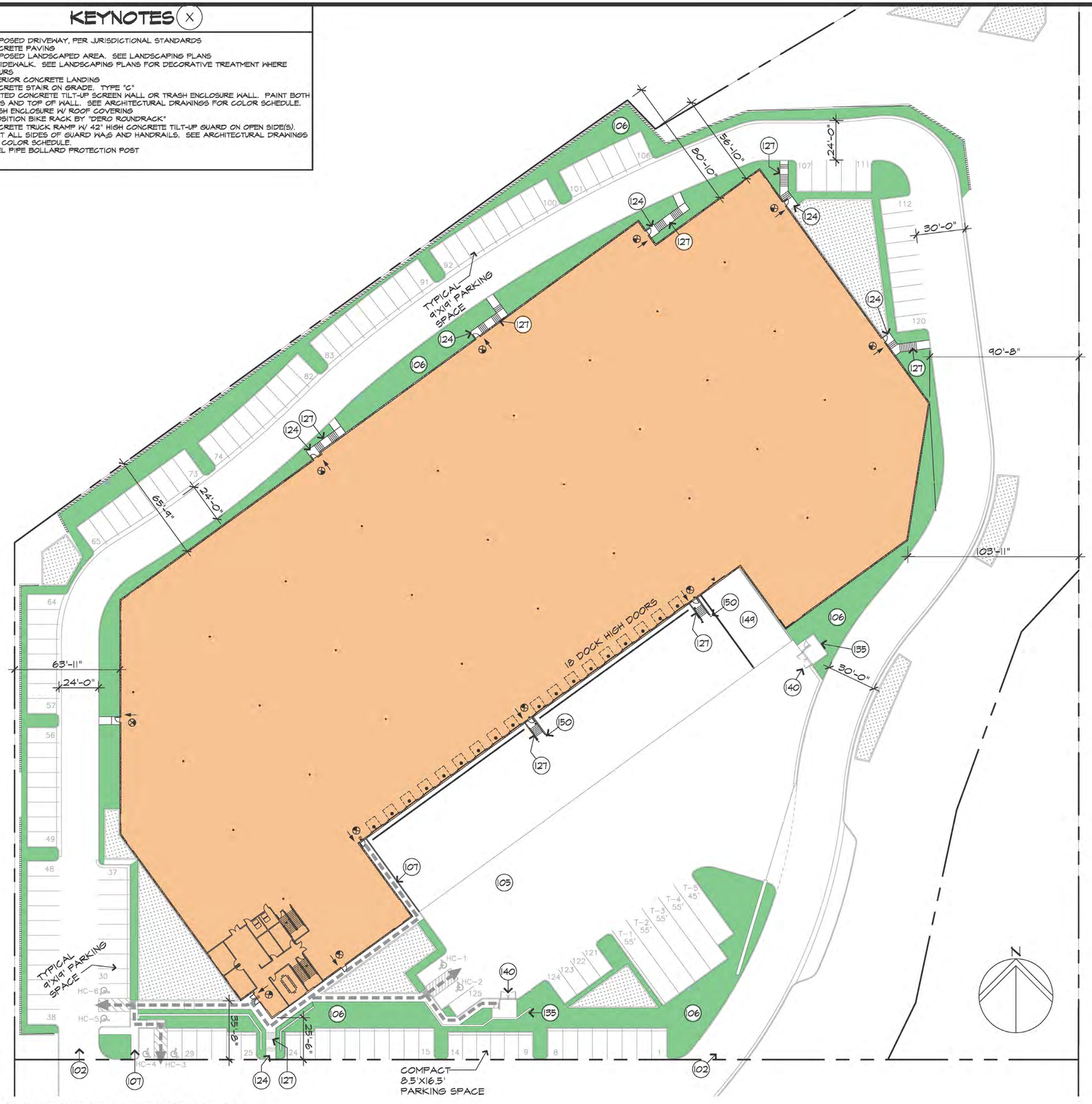
Feb 21, 2023

Appendix A: Project Site Plan

KEYNOTES (X)

102	PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS
105	CONCRETE PAVING
106	PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS
107	(N) SIDEWALK. SEE LANDSCAPING PLANS FOR DECORATIVE TREATMENT WHERE OCCURS
124	EXTERIOR CONCRETE LANDING
127	CONCRETE STAIR ON GRADE. TYPE "C"
135	PAINTED CONCRETE TILT-UP SCREEN WALL OR TRASH ENCLOSURE WALL. PAINT BOTH SIDES AND TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
140	TRASH ENCLOSURE W/ ROOF COVERING
146	2 POSITION BIKE RACK BY "DERO ROUNDRACK"
149	CONCRETE TRUCK RAMP W/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALS AND HANDRAILS. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE
150	STEEL PIPE BOLLARD PROTECTION POST



20 ARCHITECTURAL SITE PLAN
1" = 30'-0"

SITE LEGEND

- LANDSCAPE AREA
- BUILDING AREA
- VEGETATED FLOW-THRU PLANTER BIOSWALE -SEE CIVIL DRAWINGS
- PATH OF TRAVEL
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU DOOR

STANDARD PARKING STALL PER CITY REQUIREMENT

TYP. ACCESSIBLE PARKING STALL WITH 5'-0" ACCESS AISLE PER CBC 2022 11B-502.2

TYP. VAN ACCESSIBLE PARKING STALL WITH 8'-0" ACCESS AISLE PER CBC 2022 11B-502.2

CLEAN AIR PARKING STALL: IN THE PAINT USED FOR STALL STRIPING, THE FOLLOWING CHARACTERS SUCH THAT THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE:

CLEAN AIR/ VANPOOL/EV

PER CALGREEN 5B.106.5.2.1

ELECTRIC VEHICLE CHARGING STATION: EVCS STALL SHALL PROVIDE SURFACE MARKING STATING:

EV CHARGING ONLY

IN LETTER 12" HIGH MINIMUM. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE.

PER CBC 2022 11B-812.9 NOTE: FUTURE CHARGING SPACES QUALIFY AS DESIGNATED PARKING AS DESCRIBED IN SECTION 5.106.5.2 SHALL PROVIDE SURFACE MARKING STATING:

CLEAN AIR/ VANPOOL/EV

SITE PLAN GENERAL NOTES

1. SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS

   U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTERLINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE STUDS.
3. REFER TO CIVIL PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
4. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
5. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS CONFORM TO THE FOLLOWING:

   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.

   b) CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.

   c) CHANGES IN LEVEL UP TO 1/2" COMPLY W/ CBC CHAPTER 11B CHANGES IN LEVEL GREATER THAN 1/2" WHERE OCCURS, SHALL BE RAMPED. SEE PLANS.

   d) VERTICAL CLEARANCE ALONG ACCESSIBLE ROUTE IS 80" MIN
6. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
7. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EACH END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISH GRADE.
8. A CONCRETE SPLASH BLOCK SHALL BE PROVIDED AT THE BASE OF ALL EXTERIOR DOWNSPOUTS THAT DISCHARGE ON SURFACES OTHER THAN CONCRETE
9. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND/OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND/OR FIRE AUTHORITY.
10. ALL EXPOSED BIORETENTION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN
11. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE.

revisions	by

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LICENSED ARCHITECT NORMAN RANDALL HAWES C-13574 1/25 RENEWAL DATE STATE OF CALIFORNIA

PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE, CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
ARCHITECTURAL SITE PLAN

drawn	RH
checked	RH
date	11/22/2023
scale	AS SHOWN
job no.	2309
sheet	A2.1

Appendix B: LOS Evaluation Criteria

Appendix B – Intersection Level of Service Analysis Criteria

Intersection operations are evaluated using the methods provided in the 2010 Highway Capacity Manual (HCM). These methods use intersection characteristics to estimate average control delay and then assigns a Level of Service (LOS) value. Control delay is defined as the delay associated with deceleration, stopping, moving up in the queue, and acceleration experienced by drivers at a signalized intersection. **Tables A-1** and **A-2** describe the various LOS and the corresponding ranges of delays for signalized and unsignalized intersections.

TABLE A-1: SIGNALIZED INTERSECTION LEVEL OF SERVICE DEFINITIONS

Level of Service Grade	Average Control Vehicle Delay (Seconds)	Description
A	≤10.0	Free Flow or Insignificant Delays: Operations with very low delay, when signal progression is extremely favorable and most vehicles arrive during the green light phase. Most vehicles do not stop at all.
B	>10.0 and ≤20.0	Stable Operation or Minimal Delays: Generally occurs with good signal progression and/or short cycle lengths. More vehicles stop than with LOS A, causing higher levels of average delay. An occasional approach phase is fully utilized.
C	>20.0 and ≤35.0	Stable Operation or Acceptable Delays: Higher delays resulting from fair signal progression and/ or longer cycle lengths. Drivers begin having to wait through more than one red light. Most drivers feel somewhat restricted.
D	>35.0 and ≤55.0	Approaching Unstable or Tolerable Delays: Influence of congestion becomes more noticeable. Longer delays result from unfavorable signal progression, long cycle lengths, or high volume to capacity ratios. Many vehicles stop. Drivers may have to wait through more than one red light. Queues may develop, but dissipate rapidly, without excessive delays.
E	>55.0 and ≤80.0	Unstable Operation or Significant Delays: Considered to be the limit of acceptable delay. High delays indicate poor signal progression, long cycle lengths and high volume to capacity ratios. Individual cycle failures are frequent occurrences. Vehicles may wait through several signal cycles. Long queues form upstream from intersection.
F	>80.0	Forced Flow or Excessive Delays: Occurs with oversaturation when flows exceed the intersection capacity. Represents jammed conditions. Many cycle failures. Queues may block upstream intersections.

Source: Highway Capacity Manual, Transportation Research Board, 2010.

TABLE A-2: UNSIGNALIZED INTERSECTION LEVEL OF SERVICE DEFINITIONS

Level of Service Grade	Average Control Vehicle Delay (Seconds)	Description
A	≤10.0	Little or No Delays
B	>10.0 and 15.0	Short Traffic Delays
C	>15.0 and 25.0	Average Traffic Delays
D	>25.0 and 35.0	Long Traffic Delays
E	>35.0 and 50.0	Very Long Traffic Delays
F	>50.0	Extreme Traffic Delays with Intersection Capacity Exceeded

Source: Highway Capacity Manual, Transportation Research Board, 2010.

Appendix C: Intersection Volumes

National Data & Surveying Services Intersection Turning Movement Count

Location: Meadow Ave & San Pablo Ave
City: Pinole
Control: 2-Way Stop(NB/SB)

Project ID: 22-080341-001
Date: 11/15/2022

Data - Total

NS/EW Streets:	Meadow Ave				Meadow Ave				San Pablo Ave				San Pablo Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0.5	0.5	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	0	2	0	0	0	0	0	0	67	1	0	3	110	2	1	187
7:15 AM	1	0	7	0	0	0	0	0	0	101	2	0	0	163	0	2	276
7:30 AM	0	0	3	0	0	0	0	0	0	132	0	0	1	194	2	0	332
7:45 AM	1	0	2	0	0	0	0	0	1	146	2	0	0	208	1	1	362
8:00 AM	2	0	5	0	1	0	0	0	2	172	6	0	2	170	2	0	362
8:15 AM	1	0	3	0	0	0	0	0	3	143	2	0	1	196	19	0	368
8:30 AM	2	0	2	0	0	0	0	0	2	129	0	1	2	184	8	0	330
8:45 AM	3	1	0	0	3	0	2	0	8	96	2	1	1	225	10	1	353
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	11	1	24	0	4	0	2	0	16	986	15	2	10	1450	44	5	2570
APPROACH %'s :	30.56%	2.78%	66.67%	0.00%	66.67%	0.00%	33.33%	0.00%	1.57%	96.76%	1.47%	0.20%	0.66%	96.09%	2.92%	0.33%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	4	0	13	0	1	0	0	0	6	593	10	0	4	768	24	1	1424
PEAK HR FACTOR :	0.500	0.000	0.650	0.000	0.250	0.000	0.000	0.000	0.500	0.862	0.417	0.000	0.500	0.923	0.316	0.250	0.967
	0.607				0.250				0.846				0.922				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0.5	0.5	1	0	1	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	1	0	3	0	2	0	2	245	2	0	1	140	3	0	400
4:15 PM	2	0	1	0	4	0	1	0	2	236	2	0	1	120	3	3	375
4:30 PM	0	0	0	0	7	0	6	0	0	301	0	2	1	134	4	2	457
4:45 PM	1	0	2	0	3	0	2	0	2	290	1	0	1	109	6	1	418
5:00 PM	1	0	3	0	14	0	4	0	0	288	1	0	6	131	0	2	450
5:15 PM	1	0	1	0	3	0	4	0	2	262	0	1	2	123	7	1	407
5:30 PM	1	0	2	0	3	0	2	0	1	247	3	0	2	152	8	0	421
5:45 PM	1	0	1	0	4	0	1	0	2	287	7	0	1	144	5	1	454
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	8	0	11	0	41	0	22	0	11	2156	16	3	15	1053	36	10	3382
APPROACH %'s :	42.11%	0.00%	57.89%	0.00%	65.08%	0.00%	34.92%	0.00%	0.50%	98.63%	0.73%	0.14%	1.35%	94.52%	3.23%	0.90%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	4	0	7	0	24	0	11	0	5	1084	11	1	11	550	20	4	1732
PEAK HR FACTOR :	1.000	0.000	0.583	0.000	0.429	0.000	0.688	0.000	0.625	0.941	0.393	0.250	0.458	0.905	0.625	0.500	0.954
	0.688				0.486				0.930				0.903				

National Data & Surveying Services Intersection Turning Movement Count

Location: Appian Way/Pinon Ave & San Pablo Ave
City: Pinole
Control: Signalized

Project ID: 22-080341-002
Date: 11/15/2022

Data - Total

NS/EW Streets:	Appian Way/Pinon Ave				Appian Way/Pinon Ave				San Pablo Ave				San Pablo Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	1	0	1	0.5	0.5	0	1	2	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	18	3	15	0	3	9	2	0	0	40	42	0	43	100	2	0	277
7:15 AM	24	4	18	0	10	18	2	0	1	91	38	0	56	142	2	0	406
7:30 AM	24	1	12	0	6	7	3	0	0	80	61	0	66	160	4	0	424
7:45 AM	37	3	21	0	11	14	1	0	1	98	65	1	98	192	8	0	550
8:00 AM	29	2	41	0	15	14	2	0	0	133	54	0	88	148	4	0	530
8:15 AM	50	9	54	0	20	14	2	0	1	114	56	1	90	155	7	0	573
8:30 AM	53	3	39	0	2	4	3	0	3	88	54	0	59	160	13	1	482
8:45 AM	64	3	28	0	8	7	4	0	0	89	40	0	44	177	7	1	472
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	299	28	228	0	75	87	19	0	6	733	410	2	544	1234	47	2	3714
APPROACH %'s :	53.87%	5.05%	41.08%	0.00%	41.44%	48.07%	10.50%	0.00%	0.52%	63.68%	35.62%	0.17%	29.78%	67.54%	2.57%	0.11%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	169	17	155	0	48	46	8	0	5	433	229	2	335	655	32	1	2135
PEAK HR FACTOR :	0.797	0.472	0.718	0.000	0.600	0.821	0.667	0.000	0.417	0.814	0.881	0.500	0.855	0.853	0.615	0.250	0.932
	0.754				0.708				0.894				0.858				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	1	0	1	0.5	0.5	0	1	2	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	88	15	96	0	4	7	3	0	1	274	54	1	61	127	13	0	744
4:15 PM	55	8	84	0	5	12	0	0	0	224	42	0	46	87	5	0	568
4:30 PM	70	12	74	0	5	8	2	0	4	251	49	1	44	80	4	4	608
4:45 PM	56	16	81	0	9	9	1	0	0	250	47	1	46	85	5	1	607
5:00 PM	56	15	86	0	8	11	1	0	2	258	63	1	39	86	6	0	632
5:15 PM	50	10	80	0	5	12	3	0	3	221	53	0	70	107	9	1	624
5:30 PM	64	20	70	0	10	7	0	0	1	221	48	1	38	111	4	1	596
5:45 PM	62	15	75	0	3	5	0	0	0	253	37	0	41	109	6	0	606
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	501	111	646	0	49	71	10	0	11	1952	393	5	385	792	52	7	4985
APPROACH %'s :	39.83%	8.82%	51.35%	0.00%	37.69%	54.62%	7.69%	0.00%	0.47%	82.68%	16.65%	0.21%	31.15%	64.08%	4.21%	0.57%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	269	51	335	0	23	36	6	0	5	999	192	3	197	379	27	5	2527
PEAK HR FACTOR :	0.764	0.797	0.872	0.000	0.639	0.750	0.500	0.000	0.313	0.911	0.889	0.750	0.807	0.746	0.519	0.313	0.849
	0.823				0.855				0.908				0.756				

Appendix D: Intersection LOS Worksheets

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	6	593	10	1	4	768	24	4	0	13	1	0	0
Future Vol, veh/h	6	593	10	1	4	768	24	4	0	13	1	0	0
Conflicting Peds, #/hr	1	0	0	0	0	0	1	0	0	0	0	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	-	None	-	-	None	-	-	None
Storage Length	60	-	-	-	70	-	-	-	-	-	-	-	20
Veh in Median Storage, #	-	0	-	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	0	4	2	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	6	611	10	1	4	792	25	4	0	13	1	0	0

Major/Minor	Major1			Major2				Minor1			Minor2		
Conflicting Flow All	818	0	0	622	621	0	0	1035	1456	311	1134	1449	411
Stage 1	-	-	-	-	-	-	-	628	628	-	816	816	-
Stage 2	-	-	-	-	-	-	-	407	828	-	318	633	-
Critical Hdwy	4.1	-	-	6.4	4.1	-	-	7.5	6.5	6.9	7.5	6.5	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-	-	6.5	5.5	-	6.5	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	6.5	5.5	-	6.5	5.5	-
Follow-up Hdwy	2.2	-	-	2.5	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	819	-	-	587	969	-	-	189	131	691	160	132	596
Stage 1	-	-	-	-	-	-	-	442	479	-	341	393	-
Stage 2	-	-	-	-	-	-	-	597	389	-	673	476	-
Platoon blocked, %		-	-			-	-						
Mov Cap-1 Maneuver	818	-	-	853	853	-	-	187	129	691	155	130	595
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	187	129	-	155	130	-
Stage 1	-	-	-	-	-	-	-	439	476	-	338	390	-
Stage 2	-	-	-	-	-	-	-	593	386	-	655	473	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.1	13.9	28.4
HCM LOS			B	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	423	818	-	-	853	-	-	155	-
HCM Lane V/C Ratio	0.041	0.008	-	-	0.006	-	-	0.007	-
HCM Control Delay (s)	13.9	9.4	-	-	9.2	-	-	28.4	0
HCM Lane LOS	B	A	-	-	A	-	-	D	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0	-

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (vph)	2	5	433	229	1	335	655	32	169	17	155	48
Future Volume (vph)	2	5	433	229	1	335	655	32	169	17	155	48
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	11	11	12	12	12	11	11	11	11
Total Lost time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Lane Util. Factor		1.00	0.95			1.00	0.95		1.00	1.00	1.00	1.00
Frpb, ped/bikes		1.00	0.99			1.00	1.00		1.00	1.00	0.99	1.00
Flpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Frt		1.00	0.95			1.00	0.99		1.00	1.00	0.85	1.00
Flt Protected		0.95	1.00			0.95	1.00		0.95	1.00	1.00	0.95
Satd. Flow (prot)		1745	3149			1753	3449		1711	1837	1510	1742
Flt Permitted		0.95	1.00			0.95	1.00		0.72	1.00	1.00	0.75
Satd. Flow (perm)		1745	3149			1753	3449		1295	1837	1510	1367
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	2	5	466	246	1	360	704	34	182	18	167	52
RTOR Reduction (vph)	0	0	73	0	0	0	2	0	0	0	132	0
Lane Group Flow (vph)	0	7	639	0	0	361	736	0	182	18	35	52
Confl. Peds. (#/hr)				7		1					2	2
Confl. Bikes (#/hr)				3								
Heavy Vehicles (%)	0%	0%	4%	5%	0%	3%	4%	3%	2%	0%	2%	0%
Turn Type	Prot	Prot	NA		Prot	Prot	NA		custom	NA	custom	custom
Protected Phases	5	5	2		1	1	6					
Permitted Phases									4	4	4	8
Actuated Green, G (s)		0.9	24.3			20.4	43.8		15.4	15.4	15.4	15.4
Effective Green, g (s)		0.9	24.3			20.4	43.8		15.4	15.4	15.4	15.4
Actuated g/C Ratio		0.01	0.33			0.28	0.59		0.21	0.21	0.21	0.21
Clearance Time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Vehicle Extension (s)		2.0	2.5			2.0	2.5		2.5	2.5	2.5	2.5
Lane Grp Cap (vph)		21	1038			485	2049		270	383	315	285
v/s Ratio Prot		0.00	c0.20			c0.21	0.21					
v/s Ratio Perm									c0.14	0.01	0.02	0.04
v/c Ratio		0.33	0.62			0.74	0.36		0.67	0.05	0.11	0.18
Uniform Delay, d1		36.1	20.8			24.3	7.7		26.8	23.3	23.6	24.0
Progression Factor		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Incremental Delay, d2		3.4	0.9			5.4	0.1		5.9	0.0	0.1	0.2
Delay (s)		39.5	21.7			29.6	7.8		32.8	23.3	23.7	24.2
Level of Service		D	C			C	A		C	C	C	C
Approach Delay (s)			21.9				15.0			28.2		
Approach LOS			C				B			C		

Intersection Summary			
HCM 2000 Control Delay	19.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.67		
Actuated Cycle Length (s)	73.7	Sum of lost time (s)	13.6
Intersection Capacity Utilization	68.1%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group

Pinole Shores Project
2: Appian Way/Pinon Avenue & San Pablo Avenue

Existing AM NP

Movement	SBT	SBR
Lane Configurations		
Traffic Volume (vph)	46	8
Future Volume (vph)	46	8
Ideal Flow (vphpl)	1900	1900
Lane Width	11	11
Total Lost time (s)	4.6	
Lane Util. Factor	1.00	
Frpb, ped/bikes	1.00	
Flpb, ped/bikes	1.00	
Frt	0.98	
Flt Protected	1.00	
Satd. Flow (prot)	1794	
Flt Permitted	1.00	
Satd. Flow (perm)	1794	
Peak-hour factor, PHF	0.93	0.93
Adj. Flow (vph)	49	9
RTOR Reduction (vph)	6	0
Lane Group Flow (vph)	52	0
Confl. Peds. (#/hr)		
Confl. Bikes (#/hr)		
Heavy Vehicles (%)	0%	0%
Turn Type	NA	
Protected Phases		
Permitted Phases	8	
Actuated Green, G (s)	15.4	
Effective Green, g (s)	15.4	
Actuated g/C Ratio	0.21	
Clearance Time (s)	4.6	
Vehicle Extension (s)	2.5	
Lane Grp Cap (vph)	374	
v/s Ratio Prot		
v/s Ratio Perm	0.03	
v/c Ratio	0.14	
Uniform Delay, d1	23.7	
Progression Factor	1.00	
Incremental Delay, d2	0.1	
Delay (s)	23.9	
Level of Service	C	
Approach Delay (s)	24.0	
Approach LOS	C	

Intersection Summary

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	6	1084	11	4	11	550	20	4	0	7	24	0	11
Future Vol, veh/h	6	1084	11	4	11	550	20	4	0	7	24	0	11
Conflicting Peds, #/hr	0	0	3	0	2	0	3	0	0	0	0	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	-	None	-	-	None	-	-	None
Storage Length	60	-	-	-	70	-	-	-	-	-	-	-	20
Veh in Median Storage, #	-	0	-	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	1	0	0	0	3	0	0	0	0	4	0	0
Mvmt Flow	6	1141	12	4	12	579	21	4	0	7	25	0	12

Major/Minor	Major1			Major2				Minor1			Minor2		
Conflicting Flow All	603	0	0	1153	1156	0	0	1485	1797	580	1208	1793	304
Stage 1	-	-	-	-	-	-	-	1162	1162	-	625	625	-
Stage 2	-	-	-	-	-	-	-	323	635	-	583	1168	-
Critical Hdwy	4.14	-	-	6.4	4.1	-	-	7.5	6.5	6.9	7.58	6.5	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-	-	6.5	5.5	-	6.58	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	6.5	5.5	-	6.58	5.5	-
Follow-up Hdwy	2.22	-	-	2.5	2.2	-	-	3.5	4	3.3	3.54	4	3.3
Pot Cap-1 Maneuver	971	-	-	269	612	-	-	88	81	463	137	82	698
Stage 1	-	-	-	-	-	-	-	211	272	-	434	480	-
Stage 2	-	-	-	-	-	-	-	669	476	-	460	270	-
Platoon blocked, %		-	-			-	-						
Mov Cap-1 Maneuver	969	-	-	453	453	-	-	84	77	462	130	78	696
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	84	77	-	130	78	-
Stage 1	-	-	-	-	-	-	-	209	270	-	430	462	-
Stage 2	-	-	-	-	-	-	-	634	458	-	450	268	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.3	27	30.2
HCM LOS			D	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	175	969	-	-	453	-	-	130	696
HCM Lane V/C Ratio	0.066	0.007	-	-	0.035	-	-	0.194	0.017
HCM Control Delay (s)	27	8.7	-	-	13.2	-	-	39.3	10.3
HCM Lane LOS	D	A	-	-	B	-	-	E	B
HCM 95th %tile Q(veh)	0.2	0	-	-	0.1	-	-	0.7	0.1

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (vph)	3	5	999	192	5	197	379	27	269	51	335	23
Future Volume (vph)	3	5	999	192	5	197	379	27	269	51	335	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	11	11	12	12	12	11	11	11	11
Total Lost time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Lane Util. Factor		1.00	0.95			1.00	0.95		1.00	1.00	1.00	1.00
Frpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	0.98	1.00
Flpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Frt		1.00	0.98			1.00	0.99		1.00	1.00	0.85	1.00
Flt Protected		0.95	1.00			0.95	1.00		0.95	1.00	1.00	0.95
Satd. Flow (prot)		1745	3262			1754	3433		1709	1837	1507	1743
Flt Permitted		0.95	1.00			0.95	1.00		0.73	1.00	1.00	0.72
Satd. Flow (perm)		1745	3262			1754	3433		1304	1837	1507	1317
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	4	6	1175	226	6	232	446	32	316	60	394	27
RTOR Reduction (vph)	0	0	14	0	0	0	4	0	0	0	268	0
Lane Group Flow (vph)	0	10	1387	0	0	238	474	0	316	60	126	27
Confl. Peds. (#/hr)				2		2		1	1		3	1
Heavy Vehicles (%)	0%	0%	4%	5%	0%	3%	4%	3%	2%	0%	2%	0%
Turn Type	Prot	Prot	NA		Prot	Prot	NA		custom	NA	custom	custom
Protected Phases	5	5	2		1	1	6					
Permitted Phases									4	4	4	8
Actuated Green, G (s)		1.2	45.4			17.3	61.5		25.5	25.5	25.5	25.5
Effective Green, g (s)		1.2	45.4			17.3	61.5		25.5	25.5	25.5	25.5
Actuated g/C Ratio		0.01	0.45			0.17	0.60		0.25	0.25	0.25	0.25
Clearance Time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Vehicle Extension (s)		2.0	2.5			2.0	2.5		2.5	2.5	2.5	2.5
Lane Grp Cap (vph)		20	1454			298	2073		326	460	377	329
v/s Ratio Prot		0.01	c0.43			c0.14	0.14					
v/s Ratio Perm									c0.24	0.03	0.08	0.02
v/c Ratio		0.50	0.95			0.80	0.23		0.97	0.13	0.34	0.08
Uniform Delay, d1		50.0	27.2			40.6	9.3		37.8	29.6	31.2	29.2
Progression Factor		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Incremental Delay, d2		7.0	14.1			13.0	0.0		41.1	0.1	0.4	0.1
Delay (s)		57.0	41.3			53.6	9.3		78.8	29.7	31.6	29.3
Level of Service		E	D			D	A		E	C	C	C
Approach Delay (s)			41.4				24.0			50.8		
Approach LOS			D				C			D		

Intersection Summary			
HCM 2000 Control Delay	39.3	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.93		
Actuated Cycle Length (s)	101.8	Sum of lost time (s)	13.6
Intersection Capacity Utilization	85.4%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

Pinole Shores Project
2: Appian Way/Pinon Avenue & San Pablo Avenue

Existing PM NP

Movement	SBT	SBR
Lane Configurations		
Traffic Volume (vph)	36	6
Future Volume (vph)	36	6
Ideal Flow (vphpl)	1900	1900
Lane Width	11	11
Total Lost time (s)	4.6	
Lane Util. Factor	1.00	
Frpb, ped/bikes	1.00	
Flpb, ped/bikes	1.00	
Frt	0.98	
Flt Protected	1.00	
Satd. Flow (prot)	1797	
Flt Permitted	1.00	
Satd. Flow (perm)	1797	
Peak-hour factor, PHF	0.85	0.85
Adj. Flow (vph)	42	7
RTOR Reduction (vph)	5	0
Lane Group Flow (vph)	44	0
Confl. Peds. (#/hr)		
Heavy Vehicles (%)	0%	0%
Turn Type	NA	
Protected Phases		
Permitted Phases	8	
Actuated Green, G (s)	25.5	
Effective Green, g (s)	25.5	
Actuated g/C Ratio	0.25	
Clearance Time (s)	4.6	
Vehicle Extension (s)	2.5	
Lane Grp Cap (vph)	450	
v/s Ratio Prot		
v/s Ratio Perm	0.02	
v/c Ratio	0.10	
Uniform Delay, d1	29.3	
Progression Factor	1.00	
Incremental Delay, d2	0.1	
Delay (s)	29.4	
Level of Service	C	
Approach Delay (s)	29.3	
Approach LOS	C	

Intersection Summary

Intersection	
Int Delay, s/veh	0.8

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	32	593	10	1	4	768	86	4	0	13	14	0	6
Future Vol, veh/h	32	593	10	1	4	768	86	4	0	13	14	0	6
Conflicting Peds, #/hr	1	0	0	0	0	0	1	0	0	0	0	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	-	None	-	-	None	-	-	None
Storage Length	60	-	-	-	70	-	-	-	-	-	-	-	20
Veh in Median Storage, #	-	0	-	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	0	4	2	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	33	611	10	1	4	792	89	4	0	13	14	0	6

Major/Minor	Major1			Major2				Minor1			Minor2		
Conflicting Flow All	882	0	0	622	621	0	0	1089	1574	311	1220	1535	443
Stage 1	-	-	-	-	-	-	-	682	682	-	848	848	-
Stage 2	-	-	-	-	-	-	-	407	892	-	372	687	-
Critical Hdwy	4.1	-	-	6.4	4.1	-	-	7.5	6.5	6.9	7.5	6.5	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-	-	6.5	5.5	-	6.5	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	6.5	5.5	-	6.5	5.5	-
Follow-up Hdwy	2.2	-	-	2.5	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	775	-	-	587	969	-	-	172	111	691	138	117	568
Stage 1	-	-	-	-	-	-	-	411	453	-	327	380	-
Stage 2	-	-	-	-	-	-	-	597	363	-	626	450	-
Platoon blocked, %		-	-			-	-						
Mov Cap-1 Maneuver	774	-	-	853	853	-	-	164	105	691	130	111	567
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	164	105	-	130	111	-
Stage 1	-	-	-	-	-	-	-	393	434	-	313	377	-
Stage 2	-	-	-	-	-	-	-	587	360	-	588	431	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0.1	14.6	28.7
HCM LOS			B	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	393	774	-	-	853	-	-	130	567
HCM Lane V/C Ratio	0.045	0.043	-	-	0.006	-	-	0.111	0.011
HCM Control Delay (s)	14.6	9.9	-	-	9.2	-	-	36.1	11.4
HCM Lane LOS	B	A	-	-	A	-	-	E	B
HCM 95th %tile Q(veh)	0.1	0.1	-	-	0	-	-	0.4	0

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (vph)	2	5	437	239	1	336	673	32	213	17	155	48
Future Volume (vph)	2	5	437	239	1	336	673	32	213	17	155	48
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	11	11	12	12	12	11	11	11	11
Total Lost time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Lane Util. Factor		1.00	0.95			1.00	0.95		1.00	1.00	1.00	1.00
Frpb, ped/bikes		1.00	0.99			1.00	1.00		1.00	1.00	0.99	1.00
Flpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Frt		1.00	0.95			1.00	0.99		1.00	1.00	0.85	1.00
Flt Protected		0.95	1.00			0.95	1.00		0.95	1.00	1.00	0.95
Satd. Flow (prot)		1745	3144			1753	3449		1711	1837	1509	1742
Flt Permitted		0.95	1.00			0.95	1.00		0.72	1.00	1.00	0.75
Satd. Flow (perm)		1745	3144			1753	3449		1295	1837	1509	1367
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	2	5	470	257	1	361	724	34	229	18	167	52
RTOR Reduction (vph)	0	0	79	0	0	0	3	0	0	0	128	0
Lane Group Flow (vph)	0	7	648	0	0	362	755	0	229	18	39	52
Confl. Peds. (#/hr)				7		1					2	2
Confl. Bikes (#/hr)				3								
Heavy Vehicles (%)	0%	0%	4%	5%	0%	3%	4%	3%	2%	0%	2%	0%
Turn Type	Prot	Prot	NA		Prot	Prot	NA		custom	NA	custom	custom
Protected Phases	5	5	2		1	1	6					
Permitted Phases									4	4	4	8
Actuated Green, G (s)		0.9	25.2			21.0	45.3		18.5	18.5	18.5	18.5
Effective Green, g (s)		0.9	25.2			21.0	45.3		18.5	18.5	18.5	18.5
Actuated g/C Ratio		0.01	0.32			0.27	0.58		0.24	0.24	0.24	0.24
Clearance Time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Vehicle Extension (s)		2.0	2.5			2.0	2.5		2.5	2.5	2.5	2.5
Lane Grp Cap (vph)		20	1011			470	1995		305	434	356	322
v/s Ratio Prot		0.00	c0.21			c0.21	0.22					
v/s Ratio Perm									c0.18	0.01	0.03	0.04
v/c Ratio		0.35	0.64			0.77	0.38		0.75	0.04	0.11	0.16
Uniform Delay, d1		38.4	22.7			26.4	8.9		27.8	23.1	23.4	23.7
Progression Factor		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Incremental Delay, d2		3.8	1.2			7.0	0.1		9.5	0.0	0.1	0.2
Delay (s)		42.2	23.9			33.4	9.0		37.3	23.1	23.6	23.9
Level of Service		D	C			C	A		D	C	C	C
Approach Delay (s)			24.1				16.9			31.1		
Approach LOS			C				B			C		

Intersection Summary			
HCM 2000 Control Delay	21.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.71		
Actuated Cycle Length (s)	78.3	Sum of lost time (s)	13.6
Intersection Capacity Utilization	68.6%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group

Pinole Shores Project
2: Appian Way/Pinon Avenue & San Pablo Avenue

Existing Plus Project AM

Movement	SBT	SBR
Lane Configurations		
Traffic Volume (vph)	46	8
Future Volume (vph)	46	8
Ideal Flow (vphpl)	1900	1900
Lane Width	11	11
Total Lost time (s)	4.6	
Lane Util. Factor	1.00	
Frpb, ped/bikes	1.00	
Flpb, ped/bikes	1.00	
Frt	0.98	
Flt Protected	1.00	
Satd. Flow (prot)	1794	
Flt Permitted	1.00	
Satd. Flow (perm)	1794	
Peak-hour factor, PHF	0.93	0.93
Adj. Flow (vph)	49	9
RTOR Reduction (vph)	6	0
Lane Group Flow (vph)	52	0
Confl. Peds. (#/hr)		
Confl. Bikes (#/hr)		
Heavy Vehicles (%)	0%	0%
Turn Type	NA	
Protected Phases		
Permitted Phases	8	
Actuated Green, G (s)	18.5	
Effective Green, g (s)	18.5	
Actuated g/C Ratio	0.24	
Clearance Time (s)	4.6	
Vehicle Extension (s)	2.5	
Lane Grp Cap (vph)	423	
v/s Ratio Prot		
v/s Ratio Perm	0.03	
v/c Ratio	0.12	
Uniform Delay, d1	23.5	
Progression Factor	1.00	
Incremental Delay, d2	0.1	
Delay (s)	23.6	
Level of Service	C	
Approach Delay (s)	23.8	
Approach LOS	C	

Intersection Summary

Intersection	
Int Delay, s/veh	3.5

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	11	1084	11	4	11	550	32	4	0	7	75	0	33
Future Vol, veh/h	11	1084	11	4	11	550	32	4	0	7	75	0	33
Conflicting Peds, #/hr	0	0	3	0	2	0	3	0	0	0	0	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	-	None	-	-	None	-	-	None
Storage Length	60	-	-	-	70	-	-	-	-	-	-	-	20
Veh in Median Storage, #	-	0	-	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	1	0	0	0	3	0	0	0	0	4	0	0
Mvmt Flow	12	1141	12	4	12	579	34	4	0	7	79	0	35

Major/Minor	Major1			Major2				Minor1			Minor2		
Conflicting Flow All	616	0	0	1153	1156	0	0	1497	1822	580	1226	1811	311
Stage 1	-	-	-	-	-	-	-	1174	1174	-	631	631	-
Stage 2	-	-	-	-	-	-	-	323	648	-	595	1180	-
Critical Hdwy	4.14	-	-	6.4	4.1	-	-	7.5	6.5	6.9	7.58	6.5	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-	-	6.5	5.5	-	6.58	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	6.5	5.5	-	6.58	5.5	-
Follow-up Hdwy	2.22	-	-	2.5	2.2	-	-	3.5	4	3.3	3.54	4	3.3
Pot Cap-1 Maneuver	960	-	-	269	612	-	-	86	78	463	132	79	691
Stage 1	-	-	-	-	-	-	-	207	268	-	431	477	-
Stage 2	-	-	-	-	-	-	-	669	469	-	453	266	-
Platoon blocked, %		-	-			-	-						
Mov Cap-1 Maneuver	958	-	-	453	453	-	-	79	74	462	125	75	689
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	79	74	-	125	75	-
Stage 1	-	-	-	-	-	-	-	204	264	-	425	459	-
Stage 2	-	-	-	-	-	-	-	612	452	-	440	262	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.3	28.2	54.3
HCM LOS			D	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	167	958	-	-	453	-	-	125	689
HCM Lane V/C Ratio	0.069	0.012	-	-	0.035	-	-	0.632	0.05
HCM Control Delay (s)	28.2	8.8	-	-	13.2	-	-	73.6	10.5
HCM Lane LOS	D	A	-	-	B	-	-	F	B
HCM 95th %tile Q(veh)	0.2	0	-	-	0.1	-	-	3.3	0.2

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (vph)	3	5	1014	229	5	197	382	27	278	51	335	23
Future Volume (vph)	3	5	1014	229	5	197	382	27	278	51	335	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	11	11	12	12	12	11	11	11	11
Total Lost time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Lane Util. Factor		1.00	0.95			1.00	0.95		1.00	1.00	1.00	1.00
Frpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	0.98	1.00
Flpb, ped/bikes		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Frt		1.00	0.97			1.00	0.99		1.00	1.00	0.85	1.00
Flt Protected		0.95	1.00			0.95	1.00		0.95	1.00	1.00	0.95
Satd. Flow (prot)		1745	3248			1754	3434		1709	1837	1507	1743
Flt Permitted		0.95	1.00			0.95	1.00		0.73	1.00	1.00	0.72
Satd. Flow (perm)		1745	3248			1754	3434		1304	1837	1507	1317
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	4	6	1193	269	6	232	449	32	327	60	394	27
RTOR Reduction (vph)	0	0	17	0	0	0	4	0	0	0	267	0
Lane Group Flow (vph)	0	10	1445	0	0	238	477	0	327	60	127	27
Confl. Peds. (#/hr)				2		2		1	1		3	1
Confl. Bikes (#/hr)				2								
Heavy Vehicles (%)	0%	0%	4%	5%	0%	3%	4%	3%	2%	0%	2%	0%
Turn Type	Prot	Prot	NA		Prot	Prot	NA		custom	NA	custom	custom
Protected Phases	5	5	2		1	1	6					
Permitted Phases									4	4	4	8
Actuated Green, G (s)		1.2	45.4			17.3	61.5		25.5	25.5	25.5	25.5
Effective Green, g (s)		1.2	45.4			17.3	61.5		25.5	25.5	25.5	25.5
Actuated g/C Ratio		0.01	0.45			0.17	0.60		0.25	0.25	0.25	0.25
Clearance Time (s)		4.0	5.0			4.0	5.0		4.6	4.6	4.6	4.6
Vehicle Extension (s)		2.0	2.5			2.0	2.5		2.5	2.5	2.5	2.5
Lane Grp Cap (vph)		20	1448			298	2074		326	460	377	329
v/s Ratio Prot		0.01	c0.44			c0.14	0.14					
v/s Ratio Perm									c0.25	0.03	0.08	0.02
v/c Ratio		0.50	1.00			0.80	0.23		1.00	0.13	0.34	0.08
Uniform Delay, d1		50.0	28.2			40.6	9.3		38.1	29.6	31.2	29.2
Progression Factor		1.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00
Incremental Delay, d2		7.0	22.9			13.0	0.0		50.6	0.1	0.4	0.1
Delay (s)		57.0	51.1			53.6	9.3		88.8	29.7	31.6	29.3
Level of Service		E	D			D	A		F	C	C	C
Approach Delay (s)			51.1				24.0			55.4		
Approach LOS			D				C			E		

Intersection Summary			
HCM 2000 Control Delay	45.3	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.96		
Actuated Cycle Length (s)	101.8	Sum of lost time (s)	13.6
Intersection Capacity Utilization	87.0%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group

Movement	SBT	SBR
Lane Configurations		
Traffic Volume (vph)	36	6
Future Volume (vph)	36	6
Ideal Flow (vphpl)	1900	1900
Lane Width	11	11
Total Lost time (s)	4.6	
Lane Util. Factor	1.00	
Frpb, ped/bikes	1.00	
Flpb, ped/bikes	1.00	
Frt	0.98	
Flt Protected	1.00	
Satd. Flow (prot)	1797	
Flt Permitted	1.00	
Satd. Flow (perm)	1797	
Peak-hour factor, PHF	0.85	0.85
Adj. Flow (vph)	42	7
RTOR Reduction (vph)	5	0
Lane Group Flow (vph)	44	0
Confl. Peds. (#/hr)		
Confl. Bikes (#/hr)		
Heavy Vehicles (%)	0%	0%
Turn Type	NA	
Protected Phases		
Permitted Phases	8	
Actuated Green, G (s)	25.5	
Effective Green, g (s)	25.5	
Actuated g/C Ratio	0.25	
Clearance Time (s)	4.6	
Vehicle Extension (s)	2.5	
Lane Grp Cap (vph)	450	
v/s Ratio Prot		
v/s Ratio Perm	0.02	
v/c Ratio	0.10	
Uniform Delay, d1	29.3	
Progression Factor	1.00	
Incremental Delay, d2	0.1	
Delay (s)	29.4	
Level of Service	C	
Approach Delay (s)	29.3	
Approach LOS	C	

Intersection Summary

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	32	593	10	1	4	768	86	4	0	13	14	0
Future Volume (vph)	32	593	10	1	4	768	86	4	0	13	14	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	12	11	11	11	12	8	12	12	10
Total Lost time (s)	4.5	4.5			4.5	4.5			4.5			4.5
Lane Util. Factor	1.00	0.95			1.00	0.95			1.00			1.00
Frpb, ped/bikes	1.00	1.00			1.00	1.00			1.00			1.00
Flpb, ped/bikes	1.00	1.00			1.00	1.00			1.00			1.00
Frt	1.00	1.00			1.00	0.98			0.90			1.00
Flt Protected	0.95	1.00			0.95	1.00			0.99			0.95
Satd. Flow (prot)	1745	3348			1745	3339			1460			1685
Flt Permitted	0.95	1.00			0.95	1.00			0.95			0.75
Satd. Flow (perm)	1745	3348			1745	3339			1398			1324
Peak-hour factor, PHF	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Adj. Flow (vph)	33	611	10	1	4	792	89	4	0	13	14	0
RTOR Reduction (vph)	0	2	0	0	0	11	0	0	13	0	0	0
Lane Group Flow (vph)	33	619	0	0	5	870	0	0	4	0	0	14
Confl. Peds. (#/hr)	1						1					
Heavy Vehicles (%)	0%	4%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%
Turn Type	Prot	NA		Prot	Prot	NA		Perm	NA		Perm	NA
Protected Phases	7	4		3	3	8			2			6
Permitted Phases								2			6	
Actuated Green, G (s)	1.6	18.8			0.6	17.8			8.8			8.8
Effective Green, g (s)	1.6	18.8			0.6	17.8			8.8			8.8
Actuated g/C Ratio	0.04	0.45			0.01	0.43			0.21			0.21
Clearance Time (s)	4.5	4.5			4.5	4.5			4.5			4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0			3.0			3.0
Lane Grp Cap (vph)	66	1509			25	1425			295			279
v/s Ratio Prot	c0.02	0.18			0.00	c0.26						
v/s Ratio Perm									0.00			c0.01
v/c Ratio	0.50	0.41			0.20	0.61			0.01			0.05
Uniform Delay, d1	19.7	7.7			20.3	9.3			13.0			13.1
Progression Factor	1.00	1.00			1.00	1.00			1.00			1.00
Incremental Delay, d2	5.8	0.2			3.9	0.8			0.0			0.1
Delay (s)	25.5	7.9			24.2	10.0			13.0			13.2
Level of Service	C	A			C	B			B			B
Approach Delay (s)		8.8				10.1			13.0			13.1
Approach LOS		A				B			B			B

Intersection Summary			
HCM 2000 Control Delay	9.6	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	41.7	Sum of lost time (s)	13.5
Intersection Capacity Utilization	44.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

Movement	SBR
Lane Configurations	
Traffic Volume (vph)	6
Future Volume (vph)	6
Ideal Flow (vphpl)	1900
Lane Width	10
Total Lost time (s)	4.5
Lane Util. Factor	1.00
Frpb, ped/bikes	0.99
Flpb, ped/bikes	1.00
Frt	0.85
Flt Protected	1.00
Satd. Flow (prot)	1489
Flt Permitted	1.00
Satd. Flow (perm)	1489
Peak-hour factor, PHF	0.97
Adj. Flow (vph)	6
RTOR Reduction (vph)	5
Lane Group Flow (vph)	1
Confl. Peds. (#/hr)	1
Heavy Vehicles (%)	0%
Turn Type	Perm
Protected Phases	
Permitted Phases	6
Actuated Green, G (s)	8.8
Effective Green, g (s)	8.8
Actuated g/C Ratio	0.21
Clearance Time (s)	4.5
Vehicle Extension (s)	3.0
Lane Grp Cap (vph)	314
v/s Ratio Prot	
v/s Ratio Perm	0.00
v/c Ratio	0.00
Uniform Delay, d1	13.0
Progression Factor	1.00
Incremental Delay, d2	0.0
Delay (s)	13.0
Level of Service	B
Approach Delay (s)	
Approach LOS	

Intersection Summary

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	11	1084	11	4	11	550	32	4	0	7	75	0
Future Volume (vph)	11	1084	11	4	11	550	32	4	0	7	75	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	12	11	11	11	12	8	12	12	10
Total Lost time (s)	4.5	4.5			4.5	4.5			4.5			4.5
Lane Util. Factor	1.00	0.95			1.00	0.95			1.00			1.00
Frpb, ped/bikes	1.00	1.00			1.00	1.00			1.00			1.00
Flpb, ped/bikes	1.00	1.00			1.00	1.00			1.00			1.00
Frt	1.00	1.00			1.00	0.99			0.91			1.00
Flt Protected	0.95	1.00			0.95	1.00			0.98			0.95
Satd. Flow (prot)	1711	3449			1744	3361			1478			1620
Flt Permitted	0.95	1.00			0.95	1.00			0.91			0.75
Satd. Flow (perm)	1711	3449			1744	3361			1373			1280
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	12	1141	12	4	12	579	34	4	0	7	79	0
RTOR Reduction (vph)	0	1	0	0	0	5	0	0	9	0	0	0
Lane Group Flow (vph)	12	1152	0	0	16	608	0	0	2	0	0	79
Confl. Peds. (#/hr)			3		2		3					
Confl. Bikes (#/hr)							1					
Heavy Vehicles (%)	2%	1%	0%	0%	0%	3%	0%	0%	0%	0%	4%	0%
Turn Type	Prot	NA		Prot	Prot	NA		Perm	NA		Perm	NA
Protected Phases	7	4		3	3	8			2			6
Permitted Phases								2			6	
Actuated Green, G (s)	0.7	22.5			0.7	22.5			10.0			10.0
Effective Green, g (s)	0.7	22.5			0.7	22.5			10.0			10.0
Actuated g/C Ratio	0.01	0.48			0.01	0.48			0.21			0.21
Clearance Time (s)	4.5	4.5			4.5	4.5			4.5			4.5
Vehicle Extension (s)	3.0	3.0			3.0	3.0			3.0			3.0
Lane Grp Cap (vph)	25	1661			26	1619			294			274
v/s Ratio Prot	0.01	c0.33			c0.01	0.18						
v/s Ratio Perm									0.00			c0.06
v/c Ratio	0.48	0.69			0.62	0.38			0.01			0.29
Uniform Delay, d1	22.8	9.4			22.9	7.7			14.4			15.4
Progression Factor	1.00	1.00			1.00	1.00			1.00			1.00
Incremental Delay, d2	13.8	1.3			36.3	0.1			0.0			0.6
Delay (s)	36.6	10.7			59.1	7.8			14.5			16.0
Level of Service	D	B			E	A			B			B
Approach Delay (s)		11.0				9.1			14.5			15.5
Approach LOS		B				A			B			B

Intersection Summary			
HCM 2000 Control Delay	10.6	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.57		
Actuated Cycle Length (s)	46.7	Sum of lost time (s)	13.5
Intersection Capacity Utilization	47.8%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	SBR
Lane Configurations	
Traffic Volume (vph)	33
Future Volume (vph)	33
Ideal Flow (vphpl)	1900
Lane Width	10
Total Lost time (s)	4.5
Lane Util. Factor	1.00
Frpb, ped/bikes	0.99
Flpb, ped/bikes	1.00
Frt	0.85
Flt Protected	1.00
Satd. Flow (prot)	1488
Flt Permitted	1.00
Satd. Flow (perm)	1488
Peak-hour factor, PHF	0.95
Adj. Flow (vph)	35
RTOR Reduction (vph)	28
Lane Group Flow (vph)	7
Confl. Peds. (#/hr)	1
Confl. Bikes (#/hr)	
Heavy Vehicles (%)	0%
Turn Type	Perm
Protected Phases	
Permitted Phases	6
Actuated Green, G (s)	10.0
Effective Green, g (s)	10.0
Actuated g/C Ratio	0.21
Clearance Time (s)	4.5
Vehicle Extension (s)	3.0
Lane Grp Cap (vph)	318
v/s Ratio Prot	
v/s Ratio Perm	0.01
v/c Ratio	0.02
Uniform Delay, d1	14.5
Progression Factor	1.00
Incremental Delay, d2	0.0
Delay (s)	14.5
Level of Service	B
Approach Delay (s)	
Approach LOS	

Intersection Summary

Appendix E: Signal Warrant Worksheets

FEHR PEERS

Major Street	San Pablo Avenue
Minor Street	Meadow Avenue/Project Driveway

Project	Pinole Shores
Scenario	Existing Conditions
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	4	24	6	15
Through	0	0	1,084	550
Right	7	11	11	20
Total	11	35	1,101	585

Major Street Direction

	North/South
x	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	30.2
Approach with Worst Case Delay	SB
Total Vehicles on Approach	35

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Conditions	**0.3**	**35**	**1,732**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Not Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

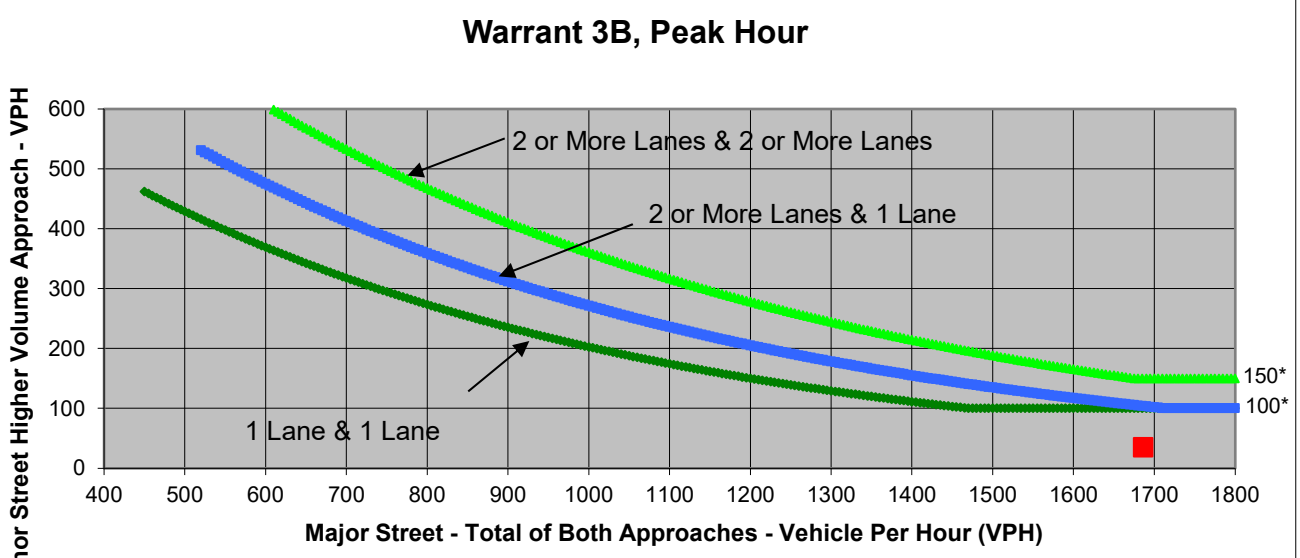
Major Street	San Pablo Avenue	Project	Pinole Shores
Minor Street	Meadow Avenue/Project Driveway	Scenario	Existing Conditions
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	4	24	6	15
Through	0	0	1,084	550
Right	7	11	11	20
Total	11	35	1,101	585

Major Street Direction

	North/South
x	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	San Pablo Avenue	Meadow Avenue/Project Driveway	
Number of Approach Lanes	**2**	**1**	**NO**
Traffic Volume (VPH) *	**1,686**	**35**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	Pinole Shores
Scenario	Existing Plus Project Conditions
Peak Hour	PM
Major Street	San Pablo Avenue
Minor Street	Meadow Avenue/Project Driveway

Turn Movement Volumes

	NB	SB	EB	WB
Left	4	75	11	15
Through	0	0	1,084	550
Right	7	33	11	32
Total	11	108	1,106	597

Major Street Direction

	North/South
x	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	54.3
Approach with Worst Case Delay	SB
Total Vehicles on Approach	108

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project Conditions	**1.6**	**108**	**1,822**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

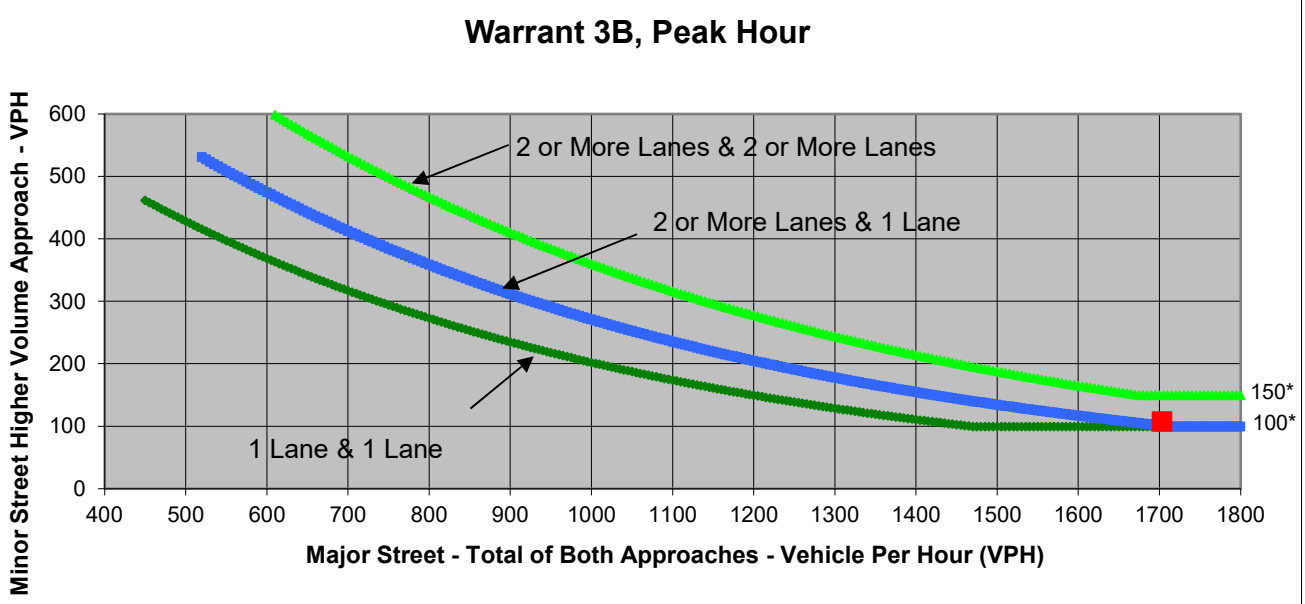
Major Street	San Pablo Avenue	Project	Pinole Shores
Minor Street	Meadow Avenue/Project Driveway	Scenario	Existing Plus Project Conditions
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	4	75	11	15
Through	0	0	1,084	550
Right	7	33	11	32
Total	11	108	1,106	597

Major Street Direction

	North/South
x	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	San Pablo Avenue	Meadow Avenue/Project Driveway	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**1,703**	**108**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

Pinole Shores Project

Transportation Demand Management Plan

Prepared for:
M-Group and City of Pinole

April 2024

OK22-0492

FEHR PEERS

Table of Contents

1. Introduction 1

City of Pinole Requirements 1

Project Description 1

Project Trip Generation 3

Project Location and Setting 3

Pedestrian Access and Circulation 3

Bicycle Access and Circulation 4

Transit 4

Commute Mode Splits in the Project Area 5

2. Transportation Demand Management Measures 8

TDM Goals and Objectives 8

Roles and Responsibilities 8

Required TDM Elements 9

Encouraged TDM Elements 9

TDM Program Effectiveness 9

3. Monitoring and Reporting 13

Annual Employee Commute Survey 13

Annual TDM Summary Report 13

No Expiration of TDM Plan or Programs 14

Appendices

Appendix A: Sample Commute Survey

List of Figures

Figure 1 – Project Location 2
Figure 2 – Existing and Proposed Bicycle Network 6
Figure 3 – Existing Transit Facilities 7

List of Tables

Table 1: Project PCE Trip Generation 3
Table 2: Worker Commute Mode Split 5
Table 3: Required TDM Measures 10
Table 4: Encouraged TDM Measures 12

1. Introduction

The proposed Pinole Shores Project is required to prepare a Transportation Demand Management (TDM) Plan consistent with the City of Pinole's General Plan Policy CE.6.2. This report provides an overview of the City's requirements, a description of the proposed project, and existing available transportation modes at the site. This is followed by a description of required and encouraged TDM measures specifically tailored for the project based on the project's location, available travel modes, and the operating conditions at the project. The report concludes by presenting the monitoring and reporting aspects for the TDM Plan.

City of Pinole Requirements

Policy CE.6.2 of the Pinole General Plan (adopted in 2010) requires implementation of "transportation demand management strategies in conjunction with land uses in order to prevent future traffic congestion in the city," and outlines six actions:

> **Action CE.6.2.1**: Coordinate with ride-sharing programs to provide up-to-date lists of potential riders and to educate the public on commuting options.
>
> **Action CE.6.2.2**: Encourage the development of employer-funded vanpool and shuttle bus services to new employment centers.
>
> **Action CE.6.2.3**: Encourage employer provision of information on alternative modes of transit.
>
> **Action CE.6.2.4**: Encourage employers to offer flextime arrangements to their employees in order to reduce the percentage of trips made during peak hours.
>
> **Action CE.6.2.5**: Work with schools to encourage carpooling and a flexible class schedule in order to reduce the percentage of trips made during peak hours.
>
> **Action CE.6.2.6**: Establish and apply minimum carpool requirements for all nonresidential developments.

Project Description

Figure 1 shows the location of the project, which is located at 830 San Pablo Avenue in the City of Pinole and is currently a 7.4-acre vacant lot. The project would provide about 121,700 square feet of space for an industrial laundry facility. The project site is about 700 feet north of San Pablo Avenue.

The project would provide 125 passenger vehicle parking spaces, 6 ADA parking spaces, 5 truck parking spaces, and 18 loading docks. Access to the site would be provided through one existing driveway on San Pablo Avenue which is shared with other uses located between the project site and San Pablo Avenue. The driveway is located opposite Meadow Avenue with all movements allowed at the intersection and stop signs on the minor northbound and southbound approaches.

Project Site

Figure 1

Project Location

Project Trip Generation

Table 1 summarizes the daily, and AM and PM peak hour trip generation for the project, assuming a "General Light Industrial" trip generating use. The project is estimated to generate about 700 daily, 107 AM peak hour, and 90 PM peak hour passenger car equivalent (PCE)[1] trips on a typical weekday.

Table 1: Project PCE Trip Generation

Land Use	Size[1]	Daily Trips	AM Peak Hour	PM Peak Hour
General Light Industrial[2]	121.7 KSF	593	90	79
Truck PCE Adjustment[3]		107	17	11
Total PCE Trips		*700*	*107*	*90*

Notes:
1. KSF = 1,000 square feet.
2. Based on vehicle trip generation rates in ITE *Trip Generation Manual, 11th Edition* land use category 110 (General Light Industrial) in General Urban/Suburban Setting:
   Daily: T = 4.87 * X
   AM Peak Hour: T = 0.74 * X
   PM Peak Hour: T = 0.65 * X
3. Based on truck trip generation rates in ITE *Trip Generation Manual, 11th Edition*, land use category 156 (High-Cube Parcel Hub Warehouse) in General Urban/Suburban Setting:
   Daily: T = 0.58 * X
   AM Peak Hour: T = 0.09 * X
   PM Peak Hour: T = 0.06 * X
   This trip generation estimate assumes a PCE of 2.5 for the truck trips.

Source: Fehr & Peers, 2024.

Project Location and Setting

Pedestrian, bicycle, and transit facilities in the project vicinity are described below.

Pedestrian Access and Circulation

Walk Score is a measure of the walkability of any address based on distance to amenities within a 5 to 30-minute walk, and other metrics such as block length and intersection density. The project site has a Walk Score of 35/100[2], meaning most trips from this location require a car. The project is expected to generate some pedestrian trips given its proximity to San Pablo Avenue. However, the location of the project site behind three existing buildings and the winding nature of the ADA-accessible path around them could discourage walking between the project site and San Pablo Avenue.

[1] Passenger car equivalent (PCE) is used to convert truck and bus trips to passenger car trips to account for trucks and buses being larger and moving slower than passenger cars.
[2] Walkscore.com, 830-848 San Pablo Avenue, Pinole, CA 94564, April 2024 (https://www.walkscore.com/methodology.shtml)

Sidewalks are present on both sides of San Pablo Avenue and all other streets near the project site. A marked uncontrolled crosswalk across San Pablo Avenue at the intersection with the site's access driveway provides pedestrian access across San Pablo Avenue.

Bicycle Access and Circulation

Bike Score measures if an area is good for biking considering the availability of bike infrastructure, terrain, destinations, street connectivity, and number of bike commuters. The project site has a Bike Score of 32/100[3], meaning that the area is not very bikeable and there exists minimal bike infrastructure in the immediate area.

Figure 2 shows existing and proposed bicycle facilities in the vicinity of the project. Existing bicycle facilities include:

- The San Francisco Bay Trail north of the BNSF railroad tracks north of the project site, accessible via Pinole Shores Drive, about 550 feet west of the project site
- A Class III bicycle route on Pinole Shores Drive between San Pablo Avenue and the San Francisco Bay Trail

The Three Corridors Specific Plan (City of Pinole, adopted in 2010 and updated in 2019), consistent with the *Contra Costa Countywide Bicycle and Pedestrian Plan* (Contra Costa Transportation Authority, 2019) proposes the following near the project site:

- Class II bicycle lanes on San Pablo Avenue

It is expected that most cyclists would use San Pablo Avenue and/or the Bay Trail to access the site.

Transit

Existing transit service in the project area is shown on **Figure 3** and described below.

WestCAT is the local bus service provided in western Contra Costa County, including Pinole. The bus service shown on **Figure 3** represents the current service, as of April 2024, in the study area. Due to the COVID-19 pandemic, WestCAT has reduced service, including eliminating lines and reducing service frequencies.

Routes C3 and JL/JR operate along San Pablo Avenue with connections to Contra Costa College, Hercules Transit Center, and the El Cerrito del Norte BART station with combined weekday headways of 15 minutes during the weekday peak commute periods. Prior to the pandemic, WestCAT also operated Route 17 along San Pablo Avenue that connected the project with the Richmond Parkway Transit Center. The nearest existing eastbound and westbound Route C3 and JL/JR bus stops to the project site are on San

[3] Walkscore.com, 830-848 San Pablo Avenue, Pinole, CA 94564, April 2024 (https://www.walkscore.com/methodology.shtml)

Pablo Avenue at the far side of the intersection with Meadow Avenue and the access driveway to the site. Neither stop provides any amenities, such as a shelter or bench.

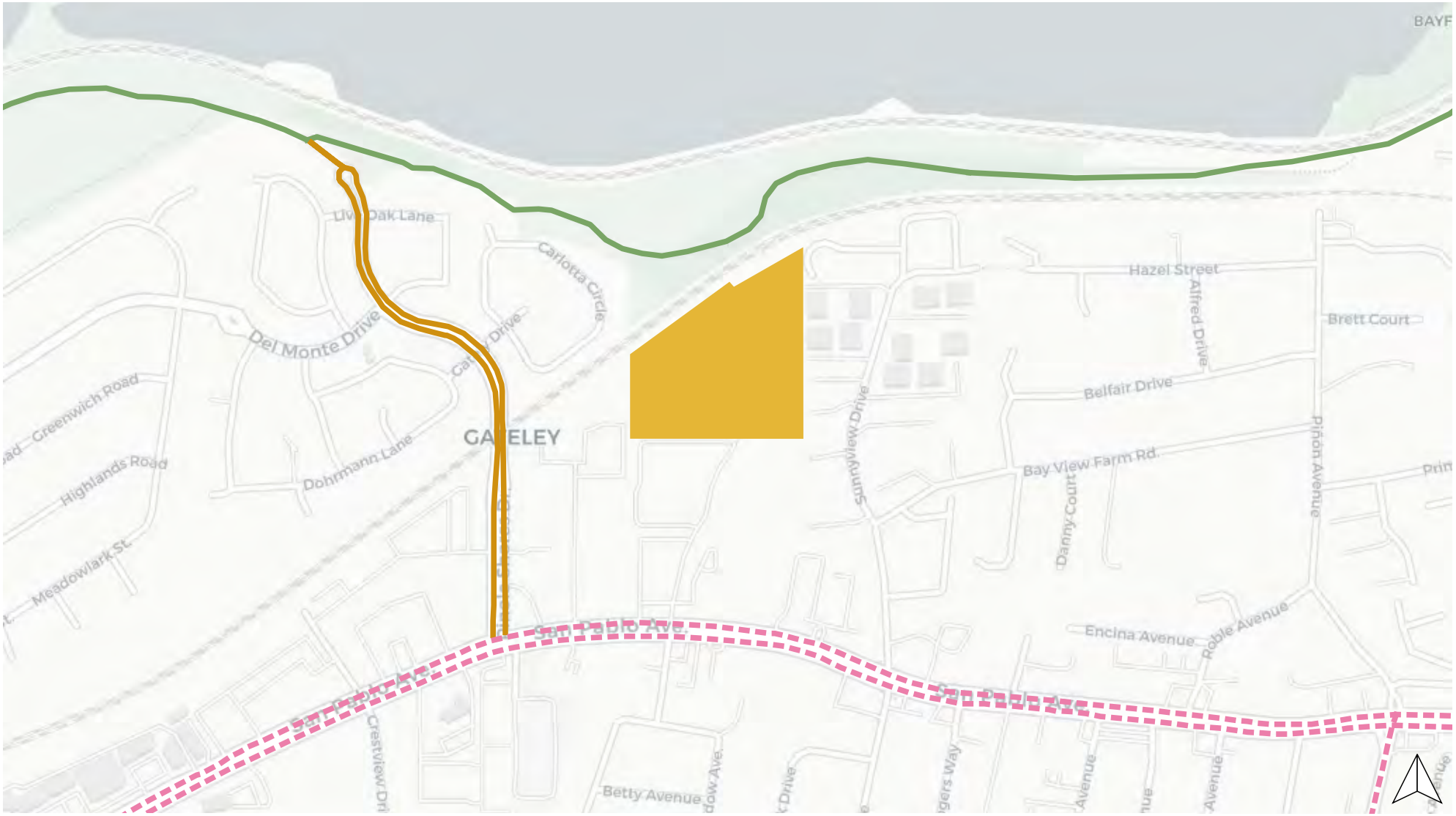
Commute Mode Splits in the Project Area

Table 2 summarizes the commute mode splits for workers in the project census tract. Based on the US Census data, about 78 percent of the workers in the area drive alone and about 11 percent carpool to and from work. About 11 percent of the workers in the project census tract use non-automobile modes to travel to and from work, which is consistent with the level of pedestrian and bicycle infrastructure, and the transit service in the project vicinity described above.

Table 2: Worker Commute Mode Split

Travel Mode	Percent Mode Split
Drove Alone	78%
Carpool	11%
Walk	3%
Bike	1%
Transit	6%
Other	1%
Total	**100%**

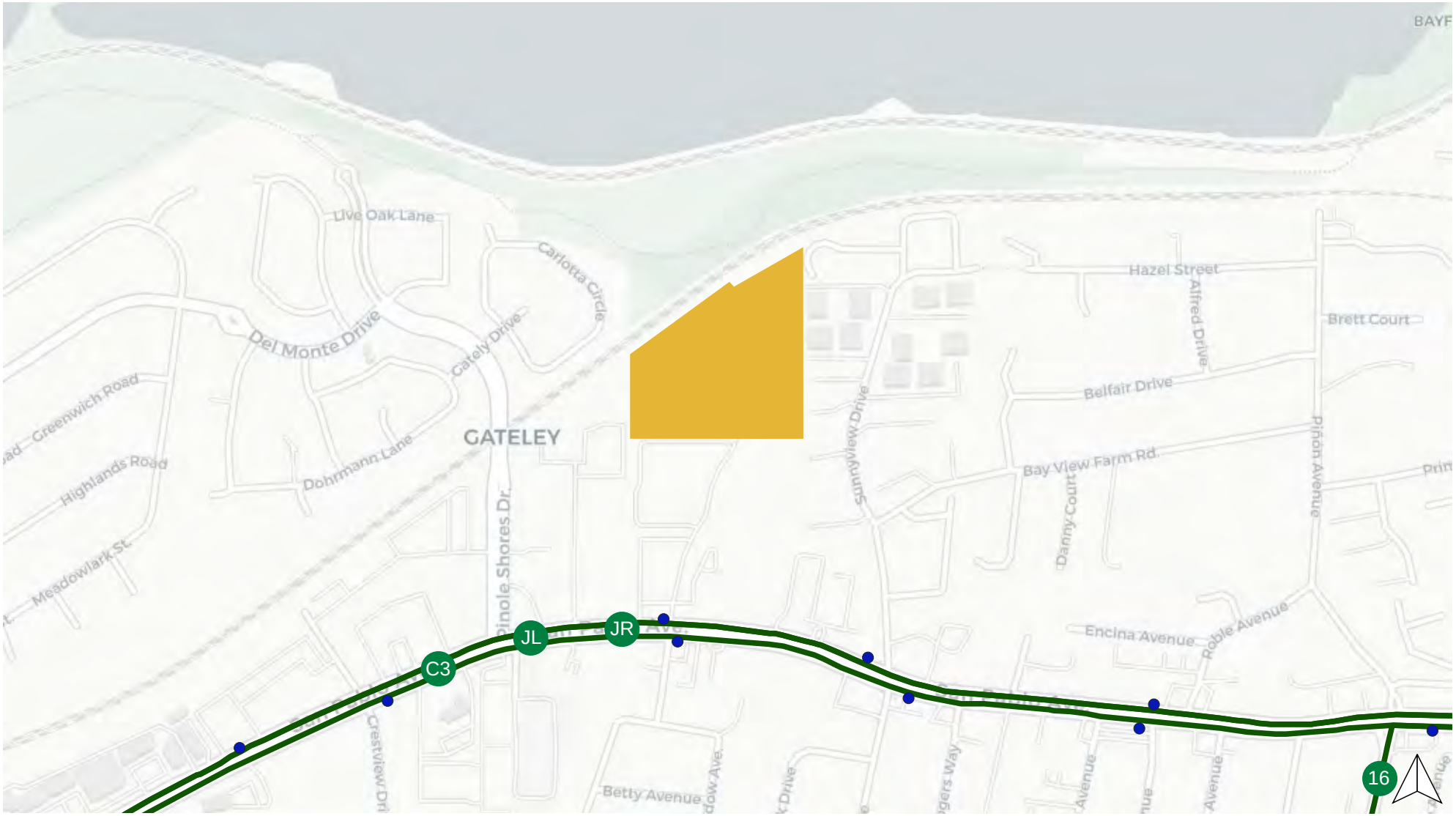
Source: Census Transportation Planning Products, U.S. Census Bureau, American Community Survey 2012-2016 Five-Year Estimates, Census tract 3591.02, Contra Costa County, California, summarized by Fehr & Peers, 2024.



Project Site | Existing — Class I Bicycle Path | Existing — Class III Bicycle Route | Proposed — Class II Bicycle Lane

Figure 2

Existing and Proposed Bicycle Network



Project Site

WestCAT Service

Transit Stops

Figure 3

Existing Transit Facilities

2. Transportation Demand Management Measures

The TDM Plan for the Pinole Shores project was developed to meet the specific needs of the project, considering the logistical resources, challenges, and opportunities of the site. The TDM measures provided in this plan identify elements and actions that commit the project to their implementation.

This chapter presents the goals and objectives of the TDM Plan and presents details on the required and encouraged measures for the project.

TDM Goals and Objectives

The primary goal of TDM programs is to reduce the number of drive-alone trips generated by new developments, by shifting a proportion of trips to more sustainable modes, such as walking, biking, transit, or carpooling. This, in turn, helps to alleviate traffic congestion, reduce vehicle miles traveled (VMT) which results in reduced greenhouse gas emissions and other air pollution, and reduce demand for parking. This TDM Plan is designed to reduce single-occupant vehicle (SOV) trips generated by the project.

Because of the success of many individual TDM measures depends on operating characteristics of the project site such as hours of operations, or other factors, such as where employees live, whether they need to combine the work commute with dropping off or picking up children from school or day care, and many other personal factors, it is difficult to know in advance which non-SOV mode will be most attractive to any specific individual or which TDM measure is most likely to encourage them to try it. The Employee Survey, described in Chapter 3, will solicit feedback on employees' perceptions of obstacles to using a non-SOV mode and what additional measures would be most effective in achieving the project's goal.

Roles and Responsibilities

A successful TDM Plan requires a combination of supportive site design elements, programming, and incentives to encourage employees to shift to non-SOV modes for commuting to work. Thus, the TDM strategies included in this plan include both one-time physical infrastructure improvements as well as ongoing operational strategies. Physical improvements are anticipated to have a one-time capital cost with some level of ongoing maintenance for certain measures. Operational strategies provide ongoing incentives and support for the use of non-SOV transportation modes. These TDM measures have monthly or annual costs and will require ongoing management.

Required TDM Elements

Table 3 summarizes the required TDM measures for the project, provides a description of each measure, presents the estimated costs of implementing the measure, and estimates the effectiveness of the measure in reducing the SOV trips generated by the project. The infrastructure improvement measures (measures 1 through 5) will be implemented by the project prior to the occupancy of the project buildings. The other operational measures (measures 6 through 14) will be implemented after the buildings are occupied and will be on-going.

Encouraged TDM Elements

Table 4 summarizes the TDM measures that the project is encouraged to implement. Most of these measures cannot be implemented at this time or may not be effective in reducing SOV trips at this time. For example, depending on the start and end time of work shifts at the site, providing transit subsidies (measure 19) could attract more employees to utilize the frequent transit options along San Pablo Avenue.

TDM Program Effectiveness

The effectiveness of the measures in Tables 3 and 4 is primarily based on research compiled in *Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity,* California Air Pollution Control Officers Association [CAPCOA], December 2021). This report is a resource for local agencies to quantify the benefit, in terms of reduced VMT, of implementing various TDM strategies. Although the focus of the CAPCOA research is reductions to VMT, the research used to generate the reductions also indicates vehicle trip reductions are applicable as well. For the purposes of this analysis the reduction in SOV is assumed to equal the VMT reduction.

It is estimated that the required TDM measures presented in Tables 3 and 4 would reduce the SOV trips generated by the project by about 5 to 10 percent.

Table 3: Required TDM Measures

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
1. Pedestrian Connections	Improve walkability and pedestrian access between the project site and San Pablo Avenue. Consider providing a more direct pedestrian path between the project site and San Pablo Avenue than the current circuitous pedestrian path through the existing parking facilities and loading docks. Another option is aligning the crosswalk across the project access driveway on San Pablo Avenue with the sidewalks on both sides of the driveway.	$$$-$$$$		Low
2. Bus Shelter	Coordinate with the City of Pinole and WestCAT to explore the feasibility and if found feasible, install bus shelters and/or other amenities at the bus stops in both directions on San Pablo Avenue.	$$-$$$		Low
3. Bicycle Parking – Long-term and Short-term	Provide long-term and short-term bicycle storages for commuters who travel by bike.	$$		Low
4. Bicycle Repair Fixit Station	Provide at least one fixit station within the project site which will provide the tools necessary to perform basic bicycle repairs and maintenance.	$		Low
5. Showers and Locker Room	Provide at least one shower per gender and six lockers per shower for each building.	$$		Low
6. Remote Work	Allow employees who do not have to physically be present at the project site to complete their tasks to work remotely at least one day per week		$	Medium
7. Carpool/Vanpool Parking	Reserve preferred parking spaces for carpools and vanpools.	$		Low
8. Carpool Matching Efforts and Promotions	Encourage employees to sign-up for 511 Rideshare or other similar programs that provide employees with a computerized list of other commuters near their employment and residential ZIP code, along with the closest cross street, phone number and hours commuters are available to commute to and from work. Individuals are then able to select and contact others with whom they wish to match for a ride.		$	Low
9. Emergency Ride Home Program	Encourage employees to sign-up for 511 Contra Costa's Guaranteed Ride Home (GRH). When unexpected circumstances arise, the GRH Program provides a free ride home from work for employees who choose to commute by not driving alone. The GRH Program is free for employees who register for the program, work in Contra Costa County, and use sustainable forms of transportation, including walking, biking, taking transit, or ridesharing.		$	Low

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
10. Transportation Kiosk	Provide a transportation information board or commuter kiosk in the employee lounge and/or lobby of each project building. The kiosk will contain transportation information such as transit schedules, bicycle maps, commuter materials, and 511 ridematching incentives.	$$	$	Low
11. Commute Program Flyer	At the start of employment, provide each employee with an employee commute flyer. This flyer will include (but not be limited to) information about carpool parking, vanpool program, transit opportunities, ride-matching services, bicycle routes, and emergency ride home program.	$	$	Low
12. TDM Project Coordinator and Employee Transportation Coordinators	Designate a TDM coordinator for the project site. The TDM coordinator(s) will manage and monitor the employer commute programs and will be responsible for ensuring that all employees are aware of their transportation options and would serve as a point of contact regarding the TDM program.		$$	Low
13. Promotional programs (Bike to Work Day, Earth Day, Transportation Spare the Air notices, e-newsletters, etc.)	Provide promotional events and periodic articles by the project TDM Coordinator for internal employee newsletters, with ongoing highlights of alternative commuters and their successes.		$-$$	Low
14. Participate in the Bay Area Commuter Benefits Program	Air District Regulation 14, Rule 1, also known as the Bay Area Commuter Benefits Program, requires employers with 50 or more full-time employees to register and offer commuter benefits to their employees.		$	Low

Notes:

1. Approximate cost ranges:
   - $ <$1,000
   - $$ $1,000 - $10,000
   - $$$ $10,000 - $100,000
   - $$$$ >$100,000
2. Approximate effectiveness in reducing SOV trips*:
   - Low <3%
   - Medium 3-8%
   - High >8%
   - *Due to inherent uncertainty in the effectiveness of any given TDM strategy, these values represent a reasonable range of effectiveness for strategies placed in each tier.

Source: Fehr & Peers, 2024.

Table 4: Encouraged TDM Measures

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
15. Bikeshare/Scooter-share	If bikeshare and/or scooter-share is provided near the project site, provide annual membership to employees.	$	$$	Low
16. Rideshare	Designate parking spaces for ridesharing vehicles and/or designate an adequate passenger loading zones and waiting areas for ridesharing vehicles. Provide an app or website to coordinate rides.	$$	$	Low-Medium
17. Carshare	If carshare is provided near the project site, provide annual membership to employees.	$	$$	Low
18. Pre-Tax Transit Payroll Deduction Option	Use programs such as WageWorks to help employees pay for commuting expenses through pre-tax payroll deductions towards transit passes.		$$	Low
19. Transit Subsidies	Subsidize or reimburse employees for transit passes.		$-$$$	Low-Medium
20. Cash Allowances and Rewards (Non-Transit)	Reward incentives for alternative commute modes.		$$	Low
21. Carpool Incentive Program	Provide incentives for carpool/vanpool commuters such as gas cards or bridge tolls reimbursements.		$$	Low
22. Provide vanpool services to major transit stations	Explore collaborating with other nearby employers to provide vanpool services to the Richmond or El Cerrito del Norte BART stations or other areas where a high number of employees live.		$$$-$$$$	Low-Medium

Notes:

1. Approximate cost ranges:
   - $ <$1,000
   - $$ $1,000 - $10,000
   - $$$ $10,000 - $100,000
   - $$$$ >$100,000
2. Approximate effectiveness in reducing SOV trips*:
   - Low <3%
   - Medium 3-8%
   - High >8%
   - *Due to inherent uncertainty in the effectiveness of any given TDM strategy, these values represent a reasonable range of effectiveness for strategies placed in each tier.

Source: Fehr & Peers, 2024.

3. Monitoring and Reporting

It is important to ensure TDM measures are implemented and effective. Therefore, a monitoring program is necessary to measure the performance of the TDM plan based on the project non-SOV mode-use and corresponding automobile trip reductions. An annual commute program evaluation as described in this chapter will allow the project and the City to assess the effectiveness of the unique program designed for the project. The annual monitoring provides an opportunity for the project to assess the success of the TDM Plan and to make adjustments or revisions as needed to achieve the TDM Plan goal.

Annual Employee Commute Survey

The project shall conduct an employee commute survey (See **Appendix A** for a sample survey) that would last for five continuous weekdays to assess the employee commute mode shares and evaluate and ensure the success of the TDM Plan. The survey can be in-person and/or online and shall be administered to all site employees.

The project will encourage, support, and participate in the promotion and marketing of the annual employee survey. Survey data may be used to focus commuter marketing and the efforts of the TDM Coordinator(s) to maintain the project's commitment to reduce vehicle trips at the site, as well as modify the implemented TDM measures to increase their effectiveness. The initial annual employee survey shall be conducted within one year of the project occupancy and subsequent surveys shall be conducted at the same time of the year as the initial survey.

Annual TDM Summary Report

The project shall submit an annual TDM summary report to the City of Pinole to document the effectiveness of the TDM Plan in reducing the SOV trips generated by the project and compliance with this TDM Plan. At minimum, the report shall consist of the following:

1. A description of the current TDM measures and services provided at the project, the level of use or participation of each measure (to the extent feasible), and compliance with the required and encouraged measures in the TDM Plan.
2. Results of the annual employee survey that quantify the mode split for site employees, the perception of the TDM Plan by the project employees, and compliance with the TDM Plan's vehicle trip reduction goal. The survey results should focus on the weekday daytime employees.
3. Findings of the project compliance with the TDM reduction and participation goal. If the report findings show that the TDM reduction and/or participation goals have not been met, the project would work with City staff to identify modifications to the TDM Plan and if there are additional TDM measures the project could reasonably (financially and practically) implement to further improve the site's TDM reductions and participation.

The Annual TDM Summary Report shall be submitted to the City after the completion of the annual employee commute survey. The reports subsequent to the first report shall include a comparison of the TDM measures and services and their effectiveness, as well as the mode split data, with the previous years.

No Expiration of TDM Plan or Programs

Ongoing implementation of all required TDM measures will continue with no expiration of this plan.

Appendix A – Sample Commute Survey

NOTE: Questions should be tailored by the project based on specific policies such as work schedules, available commuter benefits, available commute options, etc.

1. What is your home zip code?
2. What are your typical work hours?
    a. Start time:
    b. End time:
3. Thinking about last week, how did you get to work on each of the following days? If you used more than one, please indicate the way for the longest part of your trip.
    a. Monday:
    b. Tuesday:
    c. Wednesday:
    d. Thursday:
    e. Friday:
    f. Saturday:
    g. Sunday:
4. Thinking about last week, how did you leave work on each of the following days? If you used more than one, please indicate the way for the longest part of your trip.
    a. Monday:
    b. Tuesday:
    c. Wednesday:
    d. Thursday:
    e. Friday:
    f. Saturday:
    g. Sunday:
5. Thinking about last week, how often did you leave work in the middle of the day to get lunch or run errands?
    a. Yes, multiple times a day
    b. Yes, once a day
    c. Yes, a few times a week
    d. No, I did not leave the office during the day
6. When you leave the office in the middle of the day, how do you typically travel to get lunch or run errands?
    a. Private vehicle
        i. Drove my own private vehicle (Drive alone)
        ii. Drove my own private vehicle (Carpool)
        iii. Passenger in a private vehicle (Carpool)
    b. Uber/Lyft/Taxi drop-off
    c. AC Transit Bus
    d. Bicycle
    e. Walked
    f. Bikeshare/E-scooter
    g. Other: _____
7. What is most important to you when you choose how to get to work? (Select up to 3.)
    a. Travel time
    b. Cost
    c. Convenience/flexibility
    d. Reliability
    e. Comfort/safety
    f. Reducing pollution
    g. Ability to make stops between home and work
    h. Stress
8. If you typically use a non-drive alone mode to commute to work, how can we better support your commute?
    a. Company subsidy for transit
    b. Company subsidy for vanpool
    c. Company subsidy for biking or walking
    d. Lower parking rates for carpooling
    e. Preferred parking for carpooling
    f. Assistance using transit or biking
    g. Assistance with
    h. Flexible work schedule
    i. Ride home in case of emergency
    j. Incentive program (prizes or contests)
    k. Other: _____
9. If you normally drive alone to work, what are your main reasons for doing so?
    a. Need a car for work

   b. Need a car for personal use during the work day
   c. No reasonable transit option
   d. No reasonable walking or biking option
   e. No options for carpooling
   f. Need a car for errands or to transport children
   g. Cannot get home in an emergency
   h. Cost of taking transit
   i. Other: _____

10. If you usually drive alone to work, which of the following transportation options (other than driving alone) would appeal most to you? (Select up to 3.)
    a. Carpooling
    b. Vanpooling
    c. Transit
       i. BART
       ii. AC Transit
    d. Bicycling
    e. Walking
    f. Not interested in other transportation options for commuting
    g. Other: _____

11. If you normally drive alone to work, what would encourage you to use a non-drive alone mode to commute to work? (Select up to 3.)
    a. Company subsidy for transit
    b. Company subsidy for vanpool
    c. Company subsidy for biking or walking
    d. Parking cash-out
    e. Lower parking rates for carpooling
    f. Preferred parking for carpooling
    g. Assistance using transit or biking
    h. Assistance finding carpool partners
    i. Flexible work schedule
    j. Ride home in case of emergency
    k. Incentive program (prizes or contests)
    l. Other: _____

12. Do you have other comments about your transportation options for commuting to work?

PINOLE SHORES PHASE 2

Exhibit C

830-848 SAN PABLO AVE. PINOLE, CALIFORNIA

FOR:

GRP SHORES, LLC

DEVELOPER/OWNER

CONTACT: JOHN DIEMER / VICE PRESIDENT OF CONSTRUCTION
ADDRESS: 2350 N. UNIVERSITY DRIVE #848300 PEMBROKE PINES, FL. 33084
PHONE - OFFICE: 954-499-8663
PHONE - CELL: 609-634-6908
EMAIL: JOHN.DIEMER@ONECORPGLOBAL.COM

ARCHITECT

HDO ARCHITECTS & PLANNERS

ADDRESS: 2950 CAMINO DIABLO, SUITE 110 WALNUT CREEK, CA 94597
PHONE - OFFICE: 925-256-6042, RANDALL HARRIS, EXT 16

EMAIL: RHARRIS-@HDOARCHITECTS.COM

SCOPE OF WORK

ONE NEW SPECULATIVE CONCRETE TILT-UP BUILDING FOR WAREHOUSE & OFFICE USE. INCLUDES SITE IMPROVEMENTS AS SHOWN

LEGAL DESCIPTION

SEE SHEET C1.00 FOR LEGAL DESCRIPTION

PROJECT INFORMATION

ADDRESS:	830-848 SAN PABLO AVE. PINOLE, CALIFORNIA	
APN:	402-230-015, 016, 017, 018, & 020	
BUILDING CODE DESIGN DATA:	• 2022 CBC, CMC, CPC, CEC & CFC AS AMENDED BY THE STATE OF CALIFORNIA • 2022 CALIFORNIA GREEN BUILDING CODE • CITY OF PINOLE BUILDING ORDINANCES AND TECHNICAL GUIDES	
ZONING DESIGNATION:	OIMU-OFFICE INDUSTRIAL MIXED USE	
GROSS SITE AREA:	7.37 AC +/-	321,020 SF +/-
GROSS FAR:		37.14%
MAX FAR:		NONE
SETBACKS:		
FRONT BLDG. SETBACK		0'
SIDE BLDG. SETBACK		10'
FRONT LANDSCAPE SETBACK		0'
SIDE LANDSCAPE SETBACK		10'
INT/REAR SETBACK		10'
IF ABUTTING R ZONE		10'
PARKING		
TOTAL PARKING REQUIRED		130
TOTAL PARKING PROVIDED (INCLUDING 5 TRAILER SPACES)		137
LANDSCAPE		
TOTAL REQUIRED		NONE
TOTAL PROVIDED		13.39% 42,987 SF

BUILDING AREA

GROSS	119,228 SF
FAR	37.14%
GROUND LEVEL:	119,228 GSF BLDG FOOTPRINT
WAREHOUSE	116,730 GSF
OFFICE	2,498 GSF
MEZZANINE LEVEL:	
WAREHOUSE VIEWING AREA	2,498 GSF

ELECTRIC VEHICLE PARKING REQUIREMENTS

PER CGBSC CODE TABLE 5.106.5.3.1
WITH A TOTAL NUMBER OF ACTUAL PARKING SPACES AT 101-150, NUMER OF EV CAPABLE SPACES = 25

NUMBER OF EVCS SPACES REQUIRED PER TABLE =6

PER TABLE NOTE 2 - EVCS SPACES ARE COUNTED TOWARDS TOTAL REQUIRED EV CAPABLE SPACES

THEREFORE WE ARE REQUIRED 19 EV CAPABLE (EV READY) SPACES AND 6 EVCS SPACES WITH EVSE PROVIDED.

ACCESSIBLE CHARGING STATIONS REQUIRED PER CHAPTER 11B TABLE 11B-228.3.2.1

TOTAL NUMBER OF EVCS AT FACILITY 5 TO 25
VAN ACCESSIBLE REQUIRED 1
STANDARD ACCESSIBLE REQUIRED

FUTURE MEDIUM AND HEAVY DUTY EV CHARGING REQUIREMENTS:

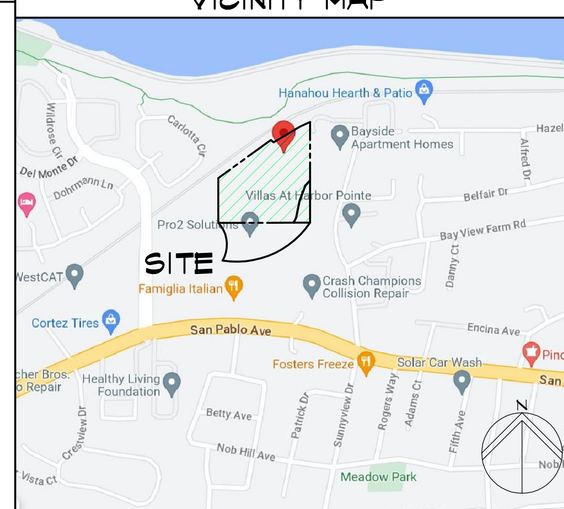
REQUIREMENTS OF CGBSC SECTIONS 5.106.5.4 AND 5.106.5.4.1, WHICH RELATE TO REQUIREMENTS OF ELECTRICAL VEHICLE CHARGING FOR MEDIUM AND HEAVY DUTY VEHIICLES AT NEW WAREHOUSE CONSTRUCTION WILL BE ADDRESSED IN THE CONTRUCTION DOCUMENTS PHASE. THE PROVISIONS OF THE CGBSC SECTIONS RELATE TO PROVIDING ELECTRICAL DESIGN CAPABLE OF HANDLING FUTURE ADDITIONAL CAPACITY OF 400 KV FOR RACEWAY AND BUSWAY AND TRASNFORMER AND PANEL.

PARKING CALCULATIONS

TOTAL PARKING REQ'D:	130
WAREHOUSE / MEZZ @ 1/1,000	120
OFFICE @ 1/250	10
PARKING PROVIDED :	
STANDARD (9'x19')	79
CLEAN AIR/ VANPOOL (9'x19') (11 REQ. PER CGBSC TABLE 5.106.5.2)	11
COMPACT (8.5' X 16.5')	11
ACCESSIBLE	6
EVCS	4
EVCS VAN ACCESSIBLE	1
EVCS ACCESSIBLE	1
EV READY	19
TOTAL PARKING PROVIDED:	132

REQUIRED TRAILER PARKING SPACES :	
10K SF OR MORE	1
PLUS 1 ADDT'L EACH 40K SF	3
TRAILER REQ'D (12' X 30'):	4
TRAILER PROVIDED (14' X 30'):	5
TOTAL TRAILER ONLY PARKING	5
TRACTOR AND TRAILER BAYS	18

VICINITY MAP



DRAWING INDEX

	ARCHITECTURAL INDEX
A1.1	COVER SHEET
A2.1	ARCHITECTURAL SITE PLAN
A2.1A	TRUCK MOVEMENTS AND FIRE LANE SITE PLAN
A3.1	FLOOR PLAN
A3.2	ROOF PLAN AND ENLARGED PLANS
A4.1	EXTERIOR ELEVATIONS
A4.2	EXTERIOR ELEVATIONS
A5.1	EXISTING SITE VIEWS
A5.2	SITE RENDERINGS
A6.1	VIEW SHED RENDERINGS
	CIVIL INDEX
C1.00	LOTTING EXHIBIT
C1.01	PRELIMINARY GRADING & DRAINAGE PLAN
C2.01	PRELIMINARY STORM WATER CONTROL PLAN
C2.02	PRELIMINARY STORM WATER CONTROL PLAN TABLE & DETAILS
C3.01	PRELIMINARY UTILITY PLAN (STORM DRAINAGE)
C3.02	PRELIMINARY UTILITY PLAN (SANITARY SEWER)
C3.03	PRELIMINARY UTILITY PLAN (WATER SERVICE)
	LANDSCAPING INDEX
L-1	CONCEPTUAL LANDSCAPE
L-1.1	CONCEPTUAL LANDSCAPE COLORED
L-2	PARKING STALL SHADE
L-3	NOTES AND PLANTING DETAILS
L-4	PRELIMINARY PLANT PALETTE
L-5	HYDRO-ZONE LAYOUT
L-6	IRRIGATION DETAILS
	PHOTOMETRIC PLAN
E0.1	PHOTOMETRIC STUDY
E0.2	LIGHTING SPEC SHEETS
E0.3	POLE SPEC. SHEETS

revisions	by

HDO
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2950 camino diablo
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walnut creek, ca
94597
(925) 256-6042

LICENSED ARCHITECT
NORMAN RANDALL HARRIS
C-13574
1/25
RENEWAL DATE
STATE OF CALIFORNIA

PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

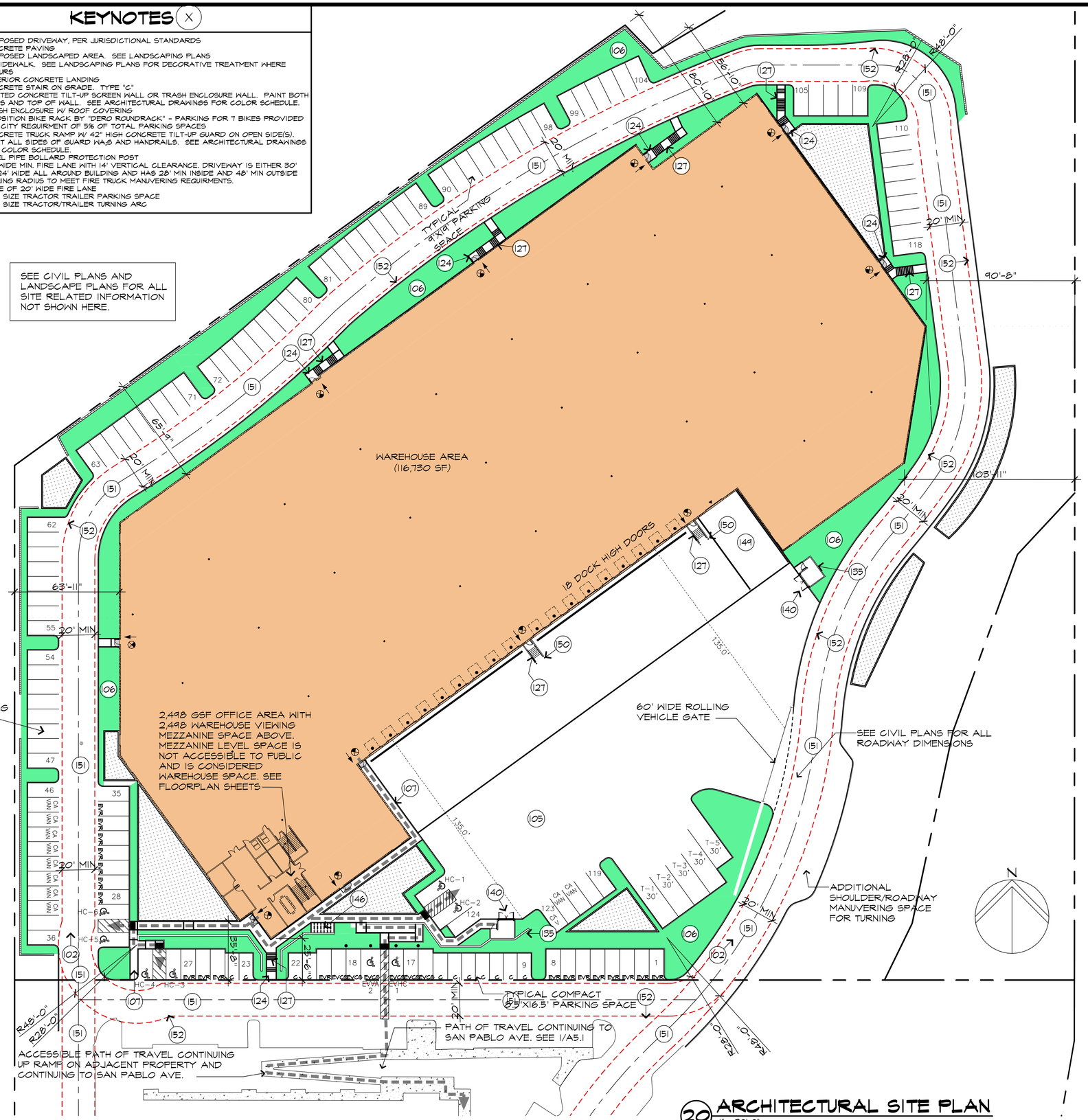
drawing
COVER SHEET

drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A1.1

KEYNOTES (X)

102	PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS
105	CONCRETE PAVING
106	PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS
107	(N) SIDEWALK. SEE LANDSCAPING PLANS FOR DECORATIVE TREATMENT WHERE OCCURS
124	EXTERIOR CONCRETE LANDING
127	CONCRETE STAIR ON GRADE. TYPE "C"
135	PAINTED CONCRETE TILT-UP SCREEN WALL OR TRASH ENCLOSURE WALL. PAINT BOTH SIDES AND TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
140	TRASH ENCLOSURE W/ ROOF COVERING
146	2 POSITION BIKE RACK BY "DERO ROUNDRACK" - PARKING FOR 7 BIKES PROVIDED PER CITY REQUIRMENT OF 5% OF TOTAL PARKING SPACES
149	CONCRETE TRUCK RAMP W/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALS AND HANDRAILS. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST
151	20' WIDE MIN. FIRE LANE WITH 14' VERTICAL CLEARANCE. DRIVEWAY IS EITHER 30' OR 24' WIDE ALL AROUND BUILDING AND HAS 28' MIN INSIDE AND 48' MIN OUTSIDE TURNING RADIUS TO MEET FIRE TRUCK MANUVERING REQUIRMENTS.
152	EDGE OF 20' WIDE FIRE LANE
153	FULL SIZE TRACTOR TRAILER PARKING SPACE
154	FULL SIZE TRACTOR/TRAILER TURNING ARC

SEE CIVIL PLANS AND LANDSCAPE PLANS FOR ALL SITE RELATED INFORMATION NOT SHOWN HERE.



20 ARCHITECTURAL SITE PLAN
1" = 30'-0"

SITE LEGEND

- LANDSCAPE AREA
- BUILDING AREA
- VEGETATED FLOW-THRU PLANTER BIOSWALE -SEE CIVIL DRAWINGS
- PATH OF TRAVEL
- PROPERTY LINE
- 20' WIDE (MIN.) FIRE LANE
- DOCK HIGH DOOR
- DRIVE THRU DOOR

PARKING SPACE LABELS:

SEE SHEET A-1.1 FOR PARKING CALCULATIONS FOR REQUIRED AND PROVIDED COMPACT, EV READY, EVCS, VANPOOL/CLEAN AIR AND ACCESSIBLE SPACES

C - COMPACT SPACE

EVR - ELECTRIC VEHICLE READY SPACES

EVCS - ELEILTRIC VEHICLE CHARGING STATION PROVIDED

EVVA - ELECTRIC VEHICLE VAN ACCESSIBLE

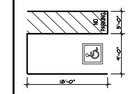
EVHC - ELECTRIC VEHICLE STANDARD ACCESSIBLE

CA/VAN - CLEAN AIR / VANPOOL

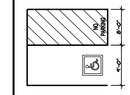
HC- STANDARD ACCESSIBLE SPACE

PARKING SPACE REQUIRMENTS:

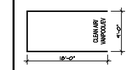
STANDARD PARKING STALL PER CITY REQUIREMENT



TYP. ACCESSIBLE PARKING STALL WITH 5'-0" ACCESS AISLE PER CBC 2022 11B-502.2



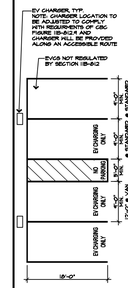
TYP. VAN ACCESSIBLE PARKING STALL WITH 8'-0" ACCESS AISLE PER CBC 2022 11B-502.2



CLEAN AIR PARKING STALL: IN THE PAINT USED FOR STALL STRIPING, THE FOLLOWING CHARACTERS SUCH THAT THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE:

CLEAN AIR/
VANPOOL/EV

PER CALGREEN 58.106.5.2.1



ELECTRIC VEHICLE CHARGING STATION: EVCS STALL SHALL PROVIDE SURFACE MARKING STATING:

EV CHARGING
ONLY

IN LETTER 12" HIGH MINIMUM. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE.

PER CBC 2022 11B-812.9 NOTE:
FUTURE CHARGING SPACES QUALIFY AS DESIGNATED PARKING AS DESCRIBED IN SECTION 5.106.5.2 SHALL PROVIDE SURFACE MARKING STATING:

CLEAN AIR/
VANPOOL/EV

SITE PLAN GENERAL NOTES

1. SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS

   U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTERLINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE STUDS.
3. REFER TO CIVIL PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
4. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
5. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS CONFORM TO THE FOLLOWING:

   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.

   b) CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.

   c) CHANGES IN LEVEL UP TO 1/2" COMPLY W/ CBC CHAPTER 11B CHANGES IN LEVEL GREATER THAN 1/2" WHERE OCCURS, SHALL BE RAMPED. SEE PLANS.

   d) VERTICAL CLEARANCE ALONG ACCESSIBLE ROUTE IS 80" MIN
6. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
7. A CONCRETE MON STRIP EXTENDING 12" BEYOND EACH END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISH GRADE.
8. A CONCRETE SPLASH BLOCK SHALL BE PROVIDED AT THE BASE OF ALL EXTERIOR DOWNSPOUTS THAT DISCHARGE ON SURFACES OTHER THAN CONCRETE
9. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND/OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND/OR FIRE AUTHORITY.
10. ALL EXPOSED BIORETENTION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN
11. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE.

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LICENSED ARCHITECT
NORMAN RANDALL HARRIS III
C-13574
1/25
RENEWAL DATE
STATE OF CALIFORNIA

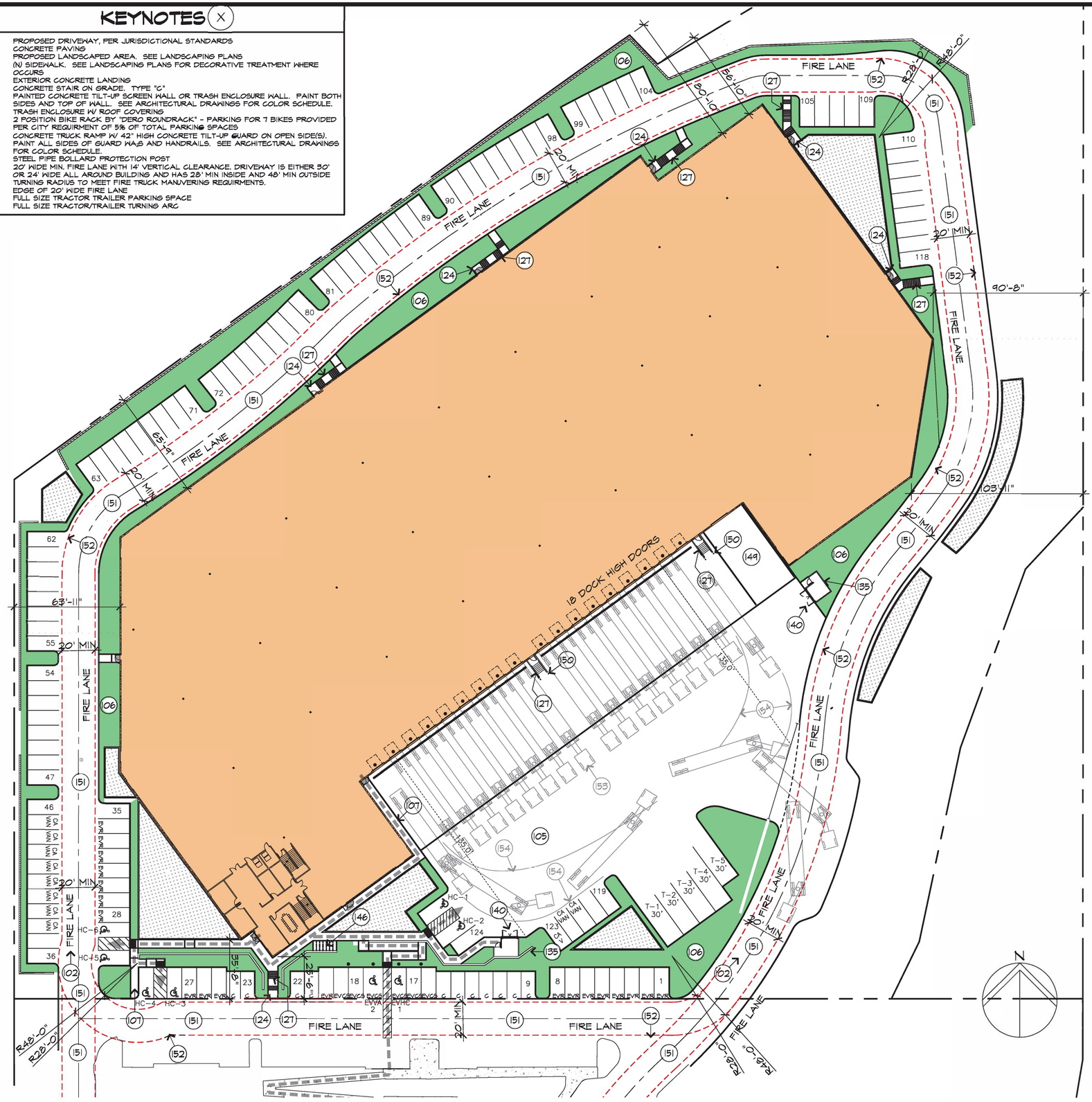
PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE, CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
ARCHITECTURAL SITE PLAN

drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A2.1

KEYNOTES (X)

102	PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS
105	CONCRETE PAVING
106	PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS
107	(N) SIDEWALK. SEE LANDSCAPING PLANS FOR DECORATIVE TREATMENT WHERE OCCURS
124	EXTERIOR CONCRETE LANDING
127	CONCRETE STAIR ON GRADE. TYPE "C"
135	PAINTED CONCRETE TILT-UP SCREEN WALL OR TRASH ENCLOSURE WALL. PAINT BOTH SIDES AND TOP OF WALL. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
140	TRASH ENCLOSURE W/ ROOF COVERING
146	2 POSITION BIKE RACK BY "DERO ROUNDRACK" - PARKING FOR 7 BIKES PROVIDED PER CITY REQUIRMENT OF 5% OF TOTAL PARKING SPACES
149	CONCRETE TRUCK RAMP W/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALS AND HANDRAILS. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST
151	20' WIDE MIN. FIRE LANE WITH 14' VERTICAL CLEARANCE. DRIVEWAY IS EITHER 30' OR 24' WIDE ALL AROUND BUILDING AND HAS 28' MIN INSIDE AND 48' MIN OUTSIDE TURNING RADIUS TO MEET FIRE TRUCK MANUVERING REQUIRMENTS.
152	EDGE OF 20' WIDE FIRE LANE
153	FULL SIZE TRACTOR TRAILER PARKING SPACE
154	FULL SIZE TRACTOR/TRAILER TURNING ARC



20 TRUCK MOVEMENTS AND FIRE LANE SITE PLAN

1" = 30'-0"

SITE LEGEND

- LANDSCAPE AREA
- BUILDING AREA
- VEGETATED FLOW-THRU PLANTER BIOSWALE -SEE CIVIL DRAWINGS
- PATH OF TRAVEL
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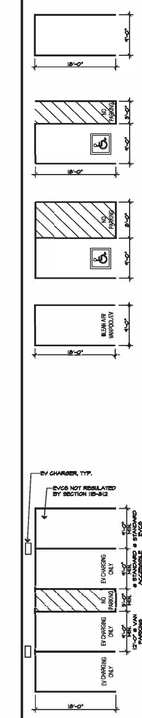
EVHC - ELECTRIC VEHICLE STANDARD ACCESSIBLE

CA/VAN - CLEAN AIR / VANPOOL

HC- STANDARD ACCESSIBLE SPACE

FIRE DEPARTMENT NOTE:
FIRE DEPARTMENT COA WILL BE INCLUDED IN PLAN SET WHEN THEY ARE PROVIDED BY CCCFD.



STANDARD PARKING STALL PER CITY REQUIREMENT

TYP. ACCESSIBLE PARKING STALL WITH 5'-0" ACCESS AISLE PER CBC 2022 11B-502.2

TYP. VAN ACCESSIBLE PARKING STALL WITH 8'-0" ACCESS AISLE PER CBC 2022 11B-502.2

CLEAN AIR PARKING STALL: IN THE PAINT USED FOR STALL STRIPING, THE FOLLOWING CHARACTERS SUCH THAT THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE:

CLEAN AIR/ VANPOOL/EV

PER CALGREEN 5B.106.5.2.1

ELECTRIC VEHICLE CHARGING STATION: EVCS STALL SHALL PROVIDE SURFACE MARKING STATING:

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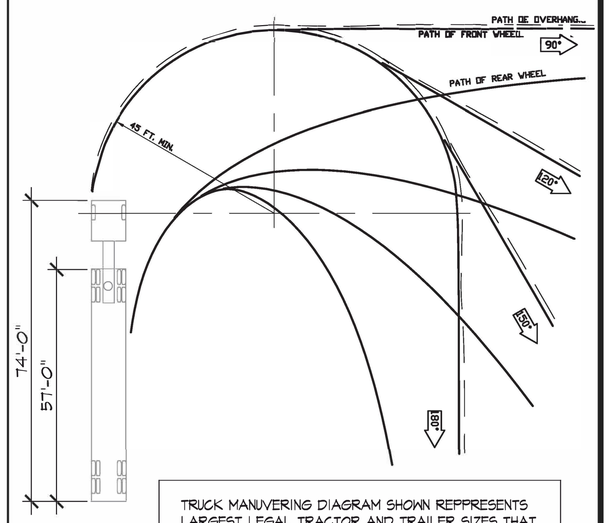
IN LETTER 12" HIGH MINIMUM. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE.

PER CBC 2022 11B-812.9 NOTE:
FUTURE CHARGING SPACES QUALIFY AS DESIGNATED PARKING AS DESCRIBED IN SECTION 5.106.5.2 SHALL PROVIDE SURFACE MARKING STATING:

CLEAN AIR/ VANPOOL/EV

TRACTOR/TRAILER MANUVERING



TRUCK MANUVERING DIAGRAM SHOWN REPPRESENTS LARGEST LEGAL TRACTOR AND TRAILER SIZES THAT COULD BE EXPECTED ON SITE. TYPICALLY THE TRAILERS WILL BE SHORTER THAN THE 57' FEET SHOWN HERE. THE ARCS ON THIS DIAGRAM ARE FROM A WB-67 AASHTO DIAGRAM AND USED ON OUR SITE PLAN TO CHECK MANUVERING CLEARANCES.

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LICENSED ARCHITECT NORMAN RANDALL HARRIS C-13574 1/25 RENEWAL DATE STATE OF CALIFORNIA

PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
TRUCK MOVEMENTS AND FIRE LANE SITE PLAN

drawn	RH
checked	RH
date	03/18/2024
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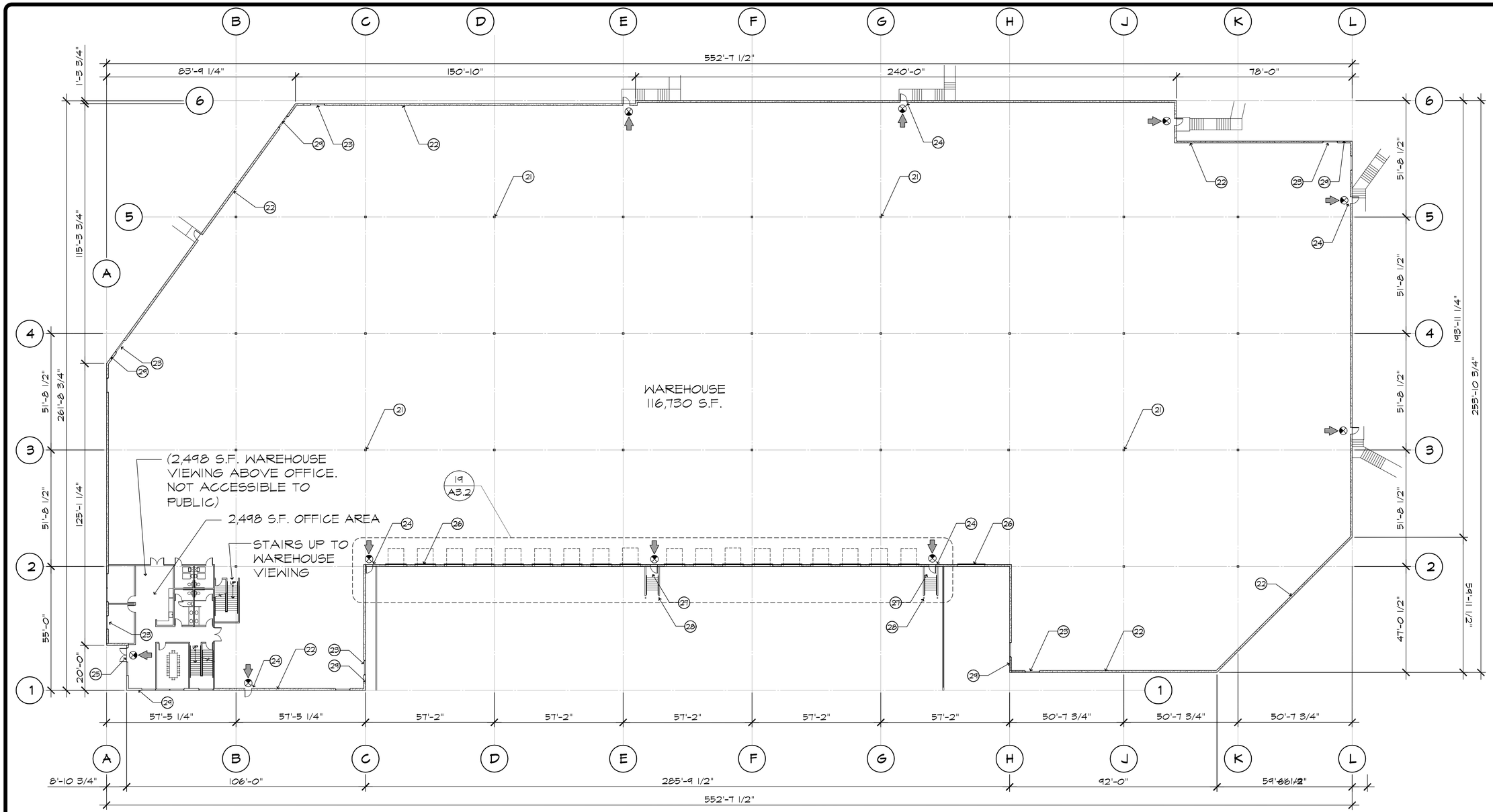
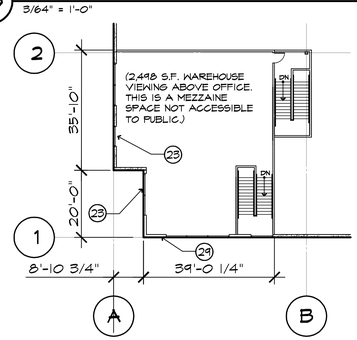


18 FIRST FLOOR PLAN

3/64" = 1'-0"



20 MEZZAINE LEVEL PLAN

3/64" = 1'-0"

KEYNOTES (X)

21	STRUCTURAL BUILDING COLUMN.
22	PAINTED CONCRETE TILT-UP WALL PANEL.
23	ALUMINUM FRAMED STOREFRONT SYSTEM.
24	PAINTED HOLLOW METAL PEDESTRIAN DOOR.
25	ACCESSIBLE BUILDING ENTRANCE
26	PRE FINISHED STEEL SECTIONAL OVERHEAD DOOR
27	CONCRETE STAIR ON GRADE TYPE "C"
28	STEEL PIPE BOLLARD PROTECTION POST.
29	NON-VISION GLAZING. SEE EXTERIOR ELEVS.

FLOOR PLAN LEGEND

	EXTERIOR CONCRETE TILT-UP WALL PANEL ON INTERIOR CONCRETE TILT-UPMEZZANINESHEAR WALL PANEL.
	STOREFRONT GLAZING SYSTEM. SEE EXTERIOR ELEVATIONS FOR MORE INFORMATION
	STRUCTURAL BUILDING COLUMNS
	EXIT EGRESS SIGNAGE AND BUILDING EXIT PATH

FLOOR PLAN GENERAL NOTES

1. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY THE FIRE DEPARTMENT AND THE CBC/CFC/ REQUIRMENTS. LOCATIONS TO BE DETERMINED IN THE FIELD BY THE FIRE DEPARTMENT INSPECTOR.
2. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED WITH APPROVED FIRE CAULKING.
3. U.O.N. ALL DIMENSIONS TO CONCRETE WALLS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE STUDS.
4. PROVIDE ILLUMINATED AND TACTILE EXIT SIGNAGE.
5. SEE CIVIL DRAWINGS FOR ALL UTILITY POINTS OF CONNECTION. GENERAL CONTRACTOR TO VERIFY LOCATIONS.
6. NO SMOKING IS ALLOWED WITHIN 25' OF ALL BUILDING ENTRANCES PER GREEN BUILDING CODE DIVISION 5.504.7 POST REQUIRED SIGNAGE.
7. PROVIDE ACCESSIBLE LANDINGS AT ALL BUILDING ENTRANCES AND EXITS.

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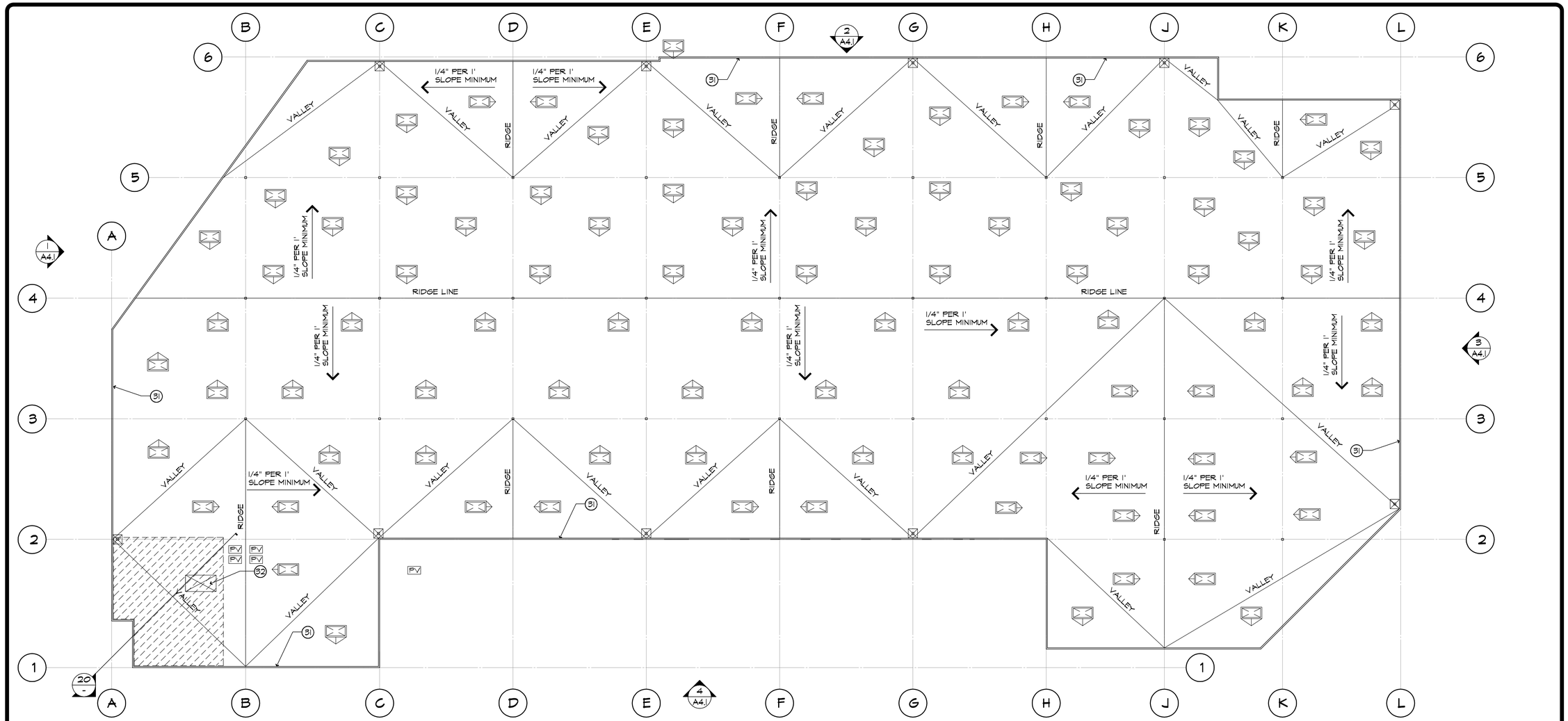
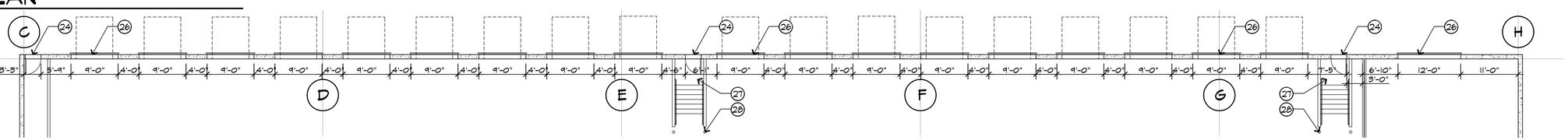
drawing
FIRST FLOOR PLAN

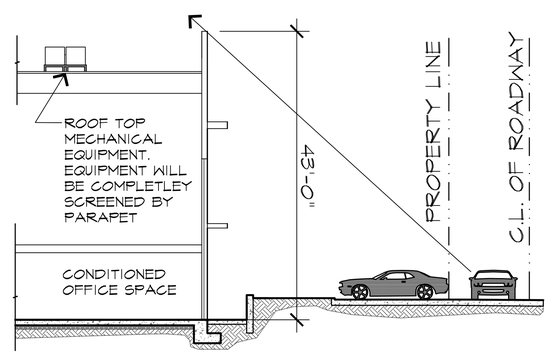
drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A3.1



18 ROOF PLAN
3/64" = 1'-0"



19 DOCK DOOR SPACING PLAN
3/32" = 1'-0"



20 BASELINE ROAD LINE OF SIGHT
3/32" = 1'-0"

ROOF PLAN LEGEND

OFFICE AREA BELOW

CURB MOUNTED SKYLIGHT. 4'x8' (32 SF) SKYPRO ILLUMINATOR UNIT SYLIGHT SKYCO MODEL 4896

ROOF AREA DRAIN

PV — SOLAR PANEL - STANDARD 66"X40" UNIT, ASSUME +/- 250 WATT OUTPUT

PV REQUIREMENT CALCULATION PER 2022 CEC:

EQ. 140.10-A = DCRATING=(CFAxA)/1000

CF= .39 FOR WAREHOUSES IN CLIMATE ZONE 3 PER CEC TABLE 140.10A/TABLE 170-2-U

(25005F X .39)/1000 = .975 (975WATT/HR)

975WH/(250WATT TYP PANEL) = 4 PANELS

SKYPRO ILLUMINATOR UNIT SKYLIGHTS

Superior quality natural daylighting combined with exceptional strength and durability

- High-impact SKYPRO polycarbonate domes
- Unique SKYWAVE Arc design provides even light distribution and 30% more surface area
- Rated for high-wind exposure zones
- Meets UL 972 Impact Resistance Standard
- IR resistance options to reduce SHGC
- Single or double dome options
- Curb mounted or self-flashing available

Curb mounted unit shown

SKYLIGHT NOTES

PROPOSED BUILDING:
ROOF AREA = 119,226 S.F.
SKYLIGHTS : 2.5% OF ROOF AREA = 2,981 SQ. FT.
EACH UNIT : 32 SF
UNITS PROVIDED = 94 = 3,008 SF

SMOKE HATCHES NOTE:
% OF SMOKE HATCHES TO BE DETERMINED BY FIRE PROTECTION CONSULTANT TO MEET CODE REQUIREMENT TO ALLOW FOR HIGH PILE STORAGE. COMBINED TOTAL OF SMOKE HATCH + SKYLIGHTS TO EQUAL 3% OF TOTAL ROOF AREA.

KEYNOTES (X)

31 PAINTED CONCRETE TILT-UP WALL PANEL

32 ROOF TOP MECHANICAL EQUIPMENT. THIS WILL BE HVAC EQUIPMENT USED TO CONDITION THE APPROX 2500 S.F. OFFICE SPACE AT THE GROUND LEVEL BELOW AND WILL BE SCREENED BY THE PARAPET WALL AND NOT VISIBLE FROM BELOW. MAIN WAREHOUSE TO BE UNCONDITIONED SPACE AND WILL NOT REQUIRE ROOFTOP HVAC EQUIPMENT.

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drawing
ROOF PLAN AND ENLARGED PLANS

drawn RH
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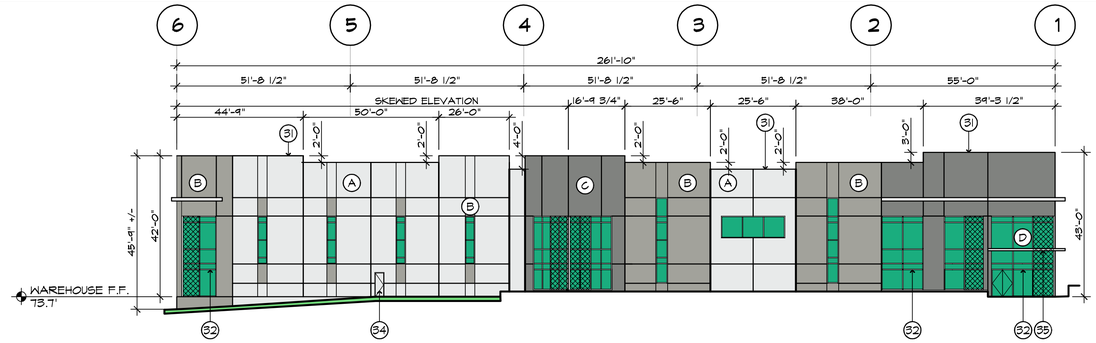
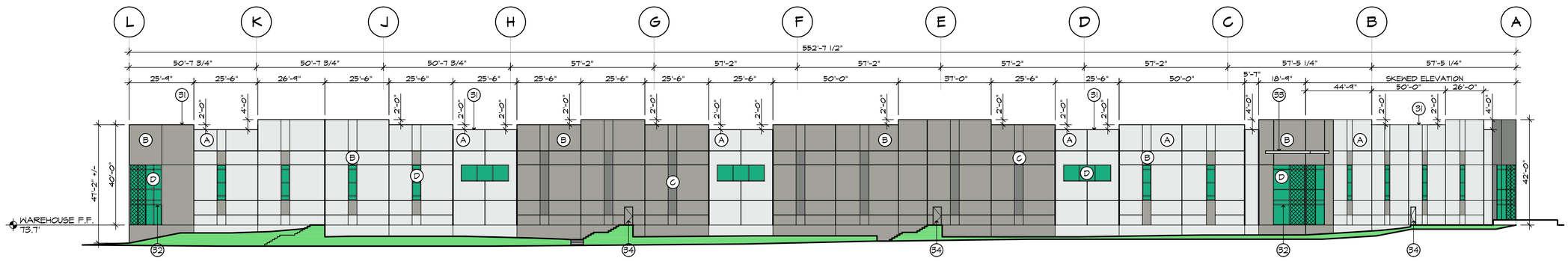
date 03/18/2024
scale AS SHOWN
job no. 2309
sheet A3.2



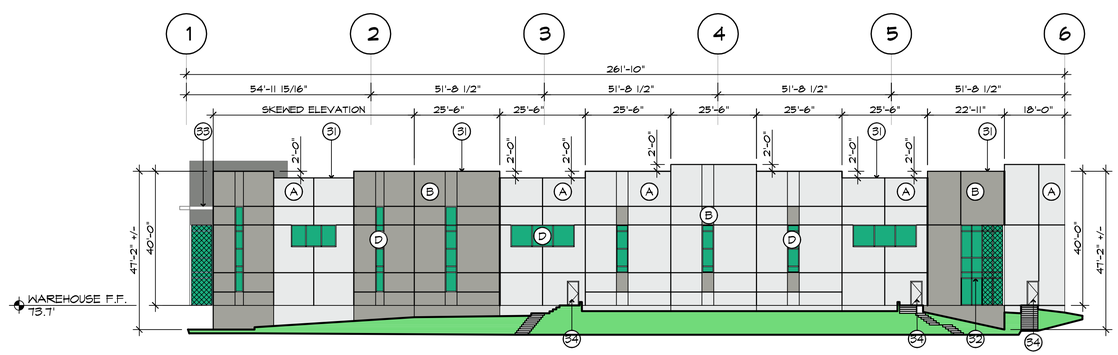
1 SOUTH WEST ELEVATION

3/64" = 1'-0"



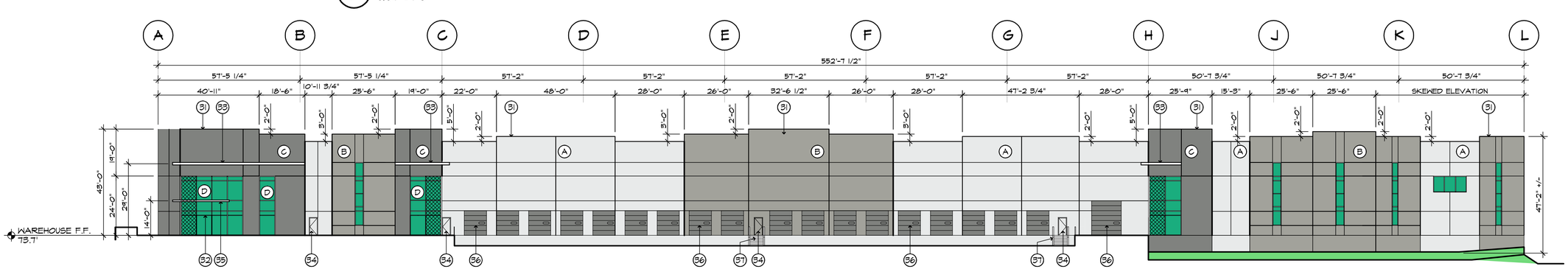
2 NORTH WEST ELEVATION

3/64" = 1'-0"



3 NORTH EAST ELEVATION

3/64" = 1'-0"



4 SOUTH EAST ELEVATION

3/64" = 1'-0"

GLAZING LEGEND & NOTES

STOREFRONT FRAMING:

AT VISION GLAZING MIN. 2"X 4-1/2" OFFSET SYSTEM U.N.O. AT NON VISION GLAZING. 2"X 1-3/4" OFFSET SYSTEM U.N.O. STOREFRONT SYSTEM TO BE DESIGN BUILD BY THE GENERAL CONTRACTOR AND A DEFERRED SUBMITTAL FOR THIS PERMIT. DESIGN SHALL COMPLY WITH CODE WINDW LOADING REQUIREMENTS.

VISION GLAZING:
AT CONDITIONED AREAS USE 1" INSULATED GLASS
AT NON CONDITIONED AREAS USE 1/4" GLASS.

NON VISION GLAZING:

USE 1/4" VISION GLASS. BACK PAINTING OF GLASS NOT REQUIRED. PAINT CONCRETE PANEL BEHIND GLASS BLACK OR DARK BLUE. COLOR TO BE DETERMINED BY ARCH. CONTRACTOR TO ENSURE SMOOTH CONCRETE FINISH BEHIND GLAZING.

NOTES:

1. ALL GLASS ADJACENT TO A WALKING SURFACE OR OPERABLE DOOR OR WINDOW TO BE TEMPERED
2. AT NON VISION SPANDREL GLAZING IN FRONT OF CONCRETE WALL PANEL, PAINT CONCRETE BEHIND GLASS BLACK AND PROVIDE 1" DIAMETER VENTIALTION HOLES IN THE CONCRETE AT MAX OF 4'-0" O.C.
3. AT NON VISION GLASING NOT IN FRONT OF CONCRETE WALL PANEL., PROVIDE TENGATE MIRAFI 140N FILTER (OR SIMILAR) FABORIC SHADE CLOTH

KEYNOTES (X)

31	PAINTED CONCRETE TILT UP WALL PANEL.
32	ALUMINUM FRAMED STOREFRONT SYSTEM
33	DECORATIVE OPEN BRON - METALLIC WHITE FINISH
34	PAINTED HOLLOW METAL PEDESTRIAN DOOR.
35	DECORATIVE SOLID CANOPY - METALLIC WHITE
36	PRE FINISHED STEEL SECTIONAL OVERHEAD DOOR GREY COLORED AND NON REFLECTIVE FROM THE MANUFACTURER
37	CONCRETE STAIR ON GRADE TYPE "C"

ELEVATION COLORS :

(A) EXTERIOR WHITE PAINT
COLOR: SW 6995 SUPERWHITE

(B) LIGHT GRAY EXTERIOR PAINT
COLOR: SW 7655 STAMPED CONCRETE

(C) DARK GRAY EXTERIOR PAINT
COLOR: SW 7067 CITYSCAPE

(D) MEDIUM PERFORMANCE GREEN REFLECTIVE GLAZING

NOTES :

1. PAINT MAN DOORS, STAIR AND RAMP GUARD WALLS, GUARD RAILS, DOWN SPOUTS, AND LOUVERS TO MATCH ADJACENT BUILDING WALL COLOR, U.O.N.

2. TRUCK DOORS TO BE PRE FINISHED WITH NON REFLECTIVE GRAY COLOR.

revisions	by

HDO
architects, planners
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LICENSED ARCHITECT
NORMAN RANDALL HARRIS
C-13574
1/25
RENEWAL DATE
STATE OF CALIFORNIA

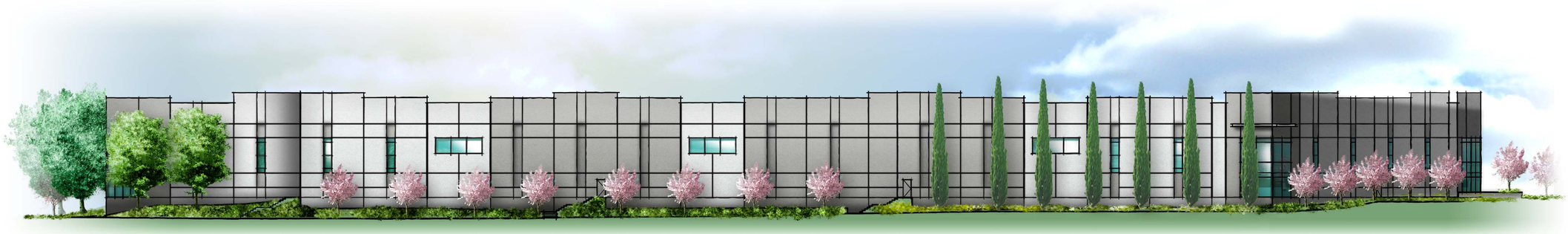
PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
EXTERIOR ELEVATIONS

drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A4.1

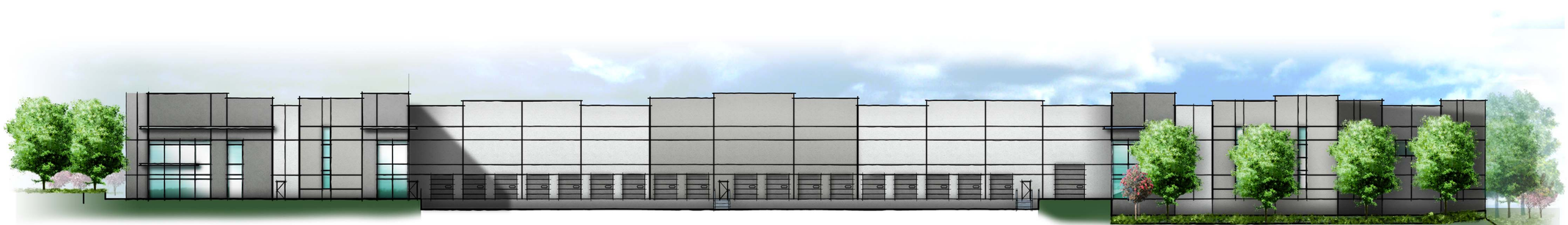
NOTE:
TREES SHOWN IN ELEVATIONS OCCUR NEAR BUILDING PERIMETER AND ARE SHOWN AT APPROXIMATE FULL MATURITY GROWTH. FOR ALL SITE LANDSCAPING AND FOREGROUND TREES SEE LANDSCAPING SHEETS.

1 SOUTH WEST ELEVATION - TREE GROWTH AT FULL MATURITY SHOWN
3/64" = 1'-0"



2 NORTH WEST ELEVATION - TREE GROWTH AT FULL MATURITY SHOWN
3/64" = 1'-0"

3 NORTH EAST ELEVATION - TREE GROWTH AT FULL MATURITY SHOWN
3/64" = 1'-0"



4 SOUTH EAST ELEVATION - TREE GROWTH AT FULL MATURITY SHOWN
3/64" = 1'-0"

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FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
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drawing
EXTERIOR ELEVATIONS

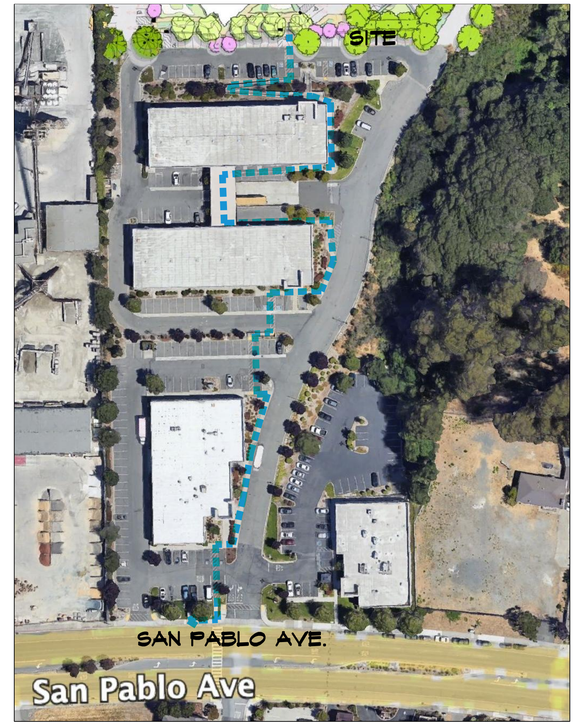
drawn RH
checked RH
date 03/18/2024
scale AS SHOWN
job no. 2309
sheet A4.2

2 EAST AERIAL VIEW

3 NORTH AERIAL VIEW

4 WEST AERIAL VIEW

5 SOUTH AERIAL VIEW



PATH OF TRAVEL TO SAN PABLO AVE.

NTS

1 NEIGHBORHOOD PLAN

NTS

6 EXISTING SITE AERIAL - SEE CIVIL PLANS FOR MORE INFO

revisions	by

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LICENSED ARCHITECT NORMAN RANDALL HARRIS C-13574 1/25 RENEWAL DATE STATE OF CALIFORNIA

PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
EXISTING SITE VIEWS

drawn RH
checked RH
date 03/18/2024
scale AS SHOWN
job no. 2309
sheet A5.1

1 SITE AERIAL RENDERED PERSPECTIVE VIEW

NOTE: NEW SITE TREES SHOWN AT MATURE HEIGHT

2 VIEW MAP WITH SITE PLAN

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LICENSED ARCHITECT
NORMAN RANDALL HARRIS
C-13574
1/25
RENEWAL DATE
STATE OF CALIFORNIA

PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
SITE RENDERINGS

drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A5.2

1 NORTHWEST VIEW

NOTE: NEW SITE TREES SHOWN AT MATURE HEIGHT

2 NORTHEAST VIEW

3 ENTRY VIEW

4 VIEWS OF SITE PLAN/ NEIGHBORHOOD PLAN

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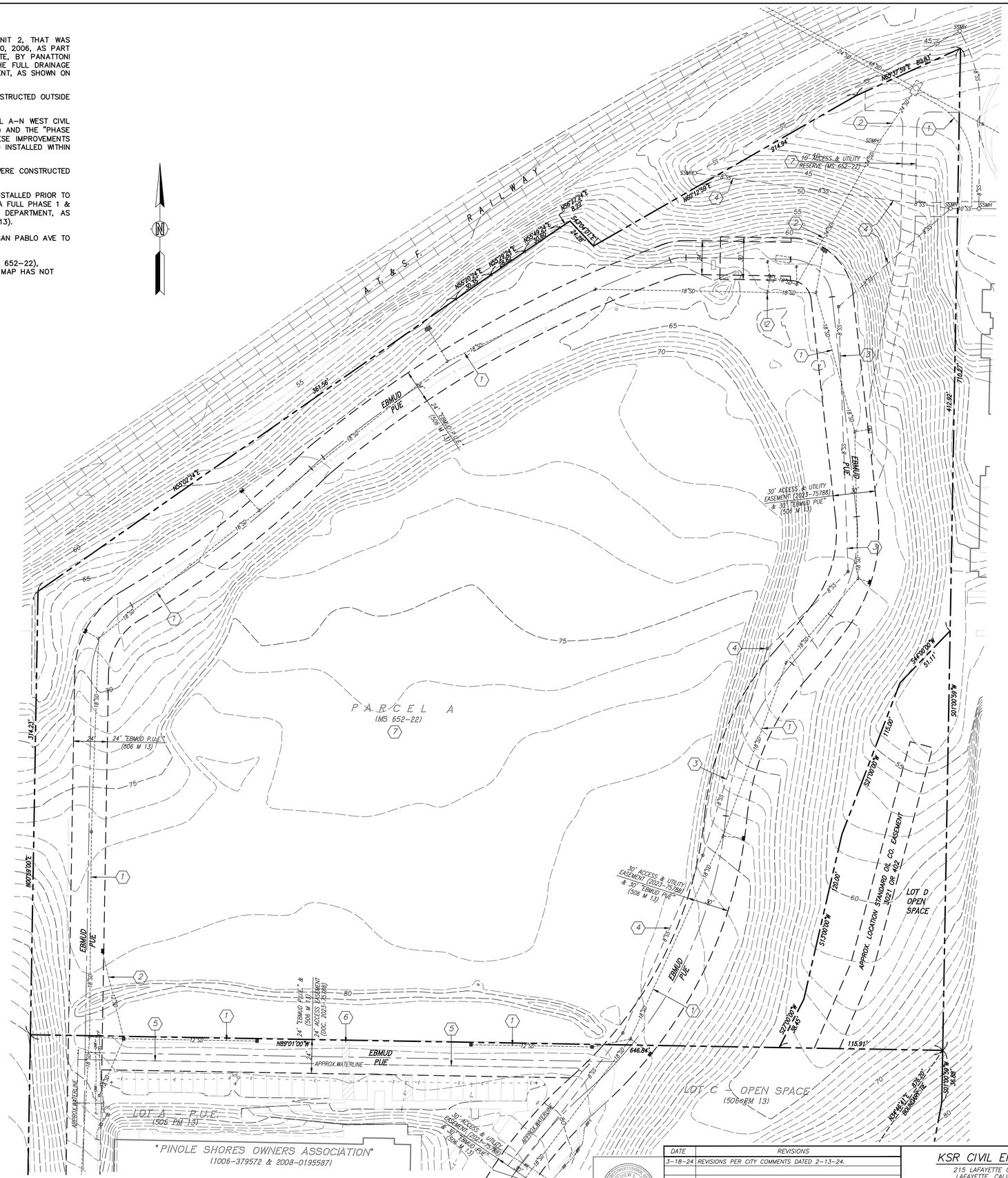
PINOLE SHORES PHASE 2
FOR: GRP SHORES, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
VIEW SHED RENDERINGS

drawn	RH
checked	RH
date	03/18/2024
scale	AS SHOWN
job no.	2309
sheet	A6.1

EXISTING UTILITY & EASEMENT LEGEND:

1. EXISTING 12"–24" STORM DRAIN SYSTEM, AND STORMWATER FILTRATION SYSTEM UNIT 2, THAT WAS CONSTRUCTED FROM THE ORIGINAL A–N WEST CIVIL ENGINEER PLANS, DATED; JULY 20, 2006, AS PART OF SUBDIVISION 8758(506 M 13) AND THE "PHASE 2" DEVELOPMENT FOR THIS SITE, BY PANATTONI DEVELOPMENT COMPANY, LLC. THESE IMPROVEMENTS WERE DESIGNED TO HANDLE THE FULL DRAINAGE CAPACITY OF THIS DEVELOPMENT, AND INSTALLED WITHIN A RECORDED UTILITY EASEMENT, AS SHOWN ON THE RECORD MAP 506 M 13.
2. PORTIONS OF THE EXISTING DRAINAGE SYSTEM DESCRIBED IN NOTE 1, THAT WERE CONSTRUCTED OUTSIDE OF THE RECORDED UTILITY EASEMENTS.
3. EXISTING 8" SANIATARY SEWER SYSTEM THAT WAS CONSTRUCTED FROM THE ORIGINAL A–N WEST CIVIL ENGINEER PLANS, DATED; JULY 20, 2006, AS PART OF SUBDIVISAION 8758(506 M 13) AND THE "PHASE 2" DEVELOPMENT FOR THIS SITE, BY PANATTONI DEVELOPMENT COMPANY, LLC. THESE IMPROVEMENTS WERE DESIGNED TO HANDLE THE FULL SEWAGE CAPACITY OF THIS DEVELOPMENT, AND INSTALLED WITHIN A RECORDED UTILITY EASEMENT, AS SHOWN ON THE RECORD MAP 506 M 13.
4. PORTIONS OF THE EXISTING SANITARY SEWER SYSTEM DESCRIBED IN NOTE 3, THAT WERE CONSTRUCTED OUTSIDE OF THE RECORDED UTILITY EASEMENTS.
5. EXISTING 24" "ML & CS" & 6" "ML & PCS" WATER LINE. THE 24" WATER MAIN WAS INSTALLED PRIOR TO PHASE 1 DEVELOPMENT, WITHIN RECORDED 20' EBMUD EASEMENT. EBMUD COMPLETED A FULL PHASE 1 & PHASE 2 6" WATER MAIN DESIGN, WITH FIRE HYDRANTS, BY EBMUD ENGINEERING DEPARTMENT, AS SHOWN ON EBMUD PLANS DATED; JANUARY 10, 2007, FOR SUBDIVISION 8758 (506 M 13).
6. ADA PATH OF TRAVEL CONNECTION LOCATION TO PROVIDE ADA PATH OF TRAVEL TO SAN PABLO AVE TO THE PROPOSED, "PHASE 2" DEVELOPMENT.
7. 10' WIDE ACCESS & UTILITY RESERVE, AS SHOWN ON THE PROPOSED PARCEL MAP (MS 652–22), PREPARED BY KISTER, SAVIO & REI, LAND SURVEYORS, DATED; NOVEMBER 2023. THIS MAP HAS NOT BEEN RECORDED AS OF MARCH 3, 2024.



DATE	REVISIONS
3–18–24	REVISIONS PER CITY COMMENTS DATED 2–13–24.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. MATTREI C 58683 CIVIL STATE OF CALIFORNIA
Exp. 12/31/23

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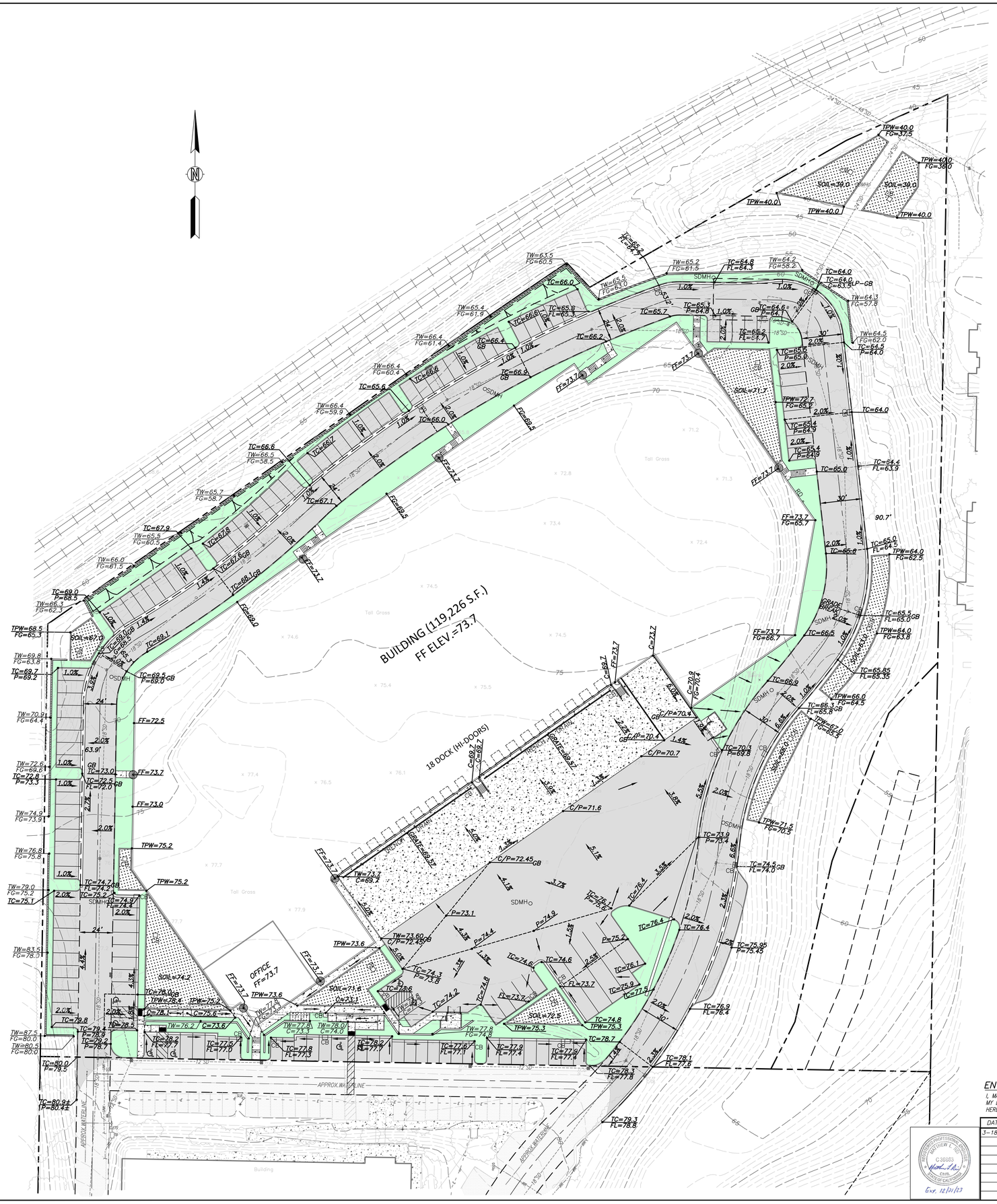
E–MAIL mattrei59@gmail.com

FOR: GRP–SHORES–LLC
SCALE: 1"=30' JOB No. 20300
DATE: 11–16–23 DWG No.

C1.00

EXISTING CONDITIONS
"PINOLE SHORES PHASE II"
830, 836, 842 & 848 SAN PABLO AVENUE
PINOLE CALIFORNIA



ABBREVIATION LEGEND

AD	–	AREA DRAIN
BS	–	BOTTOM OF STAIR
BW	–	BOTTOM OF WALL
C	–	CONCRETE
CB	–	CATCH BASIN
(E)	–	EXISTING
FF	–	FINISH FLOOR ELEVATION
FG	–	FINISH GRADE
FL	–	FLOWLINE
FS	–	FINISH SURFACE
GB	–	GRADE BREAK
GL	–	GUTTER LIP
HP	–	HIGH POINT
INV	–	INVERT ELEVATION
P	–	PAVEMENT
OF	–	OVER FLOW INLET
SDCO	–	STORM DRAIN CLEANOUT
SDJB	–	STORM DRAIN JUNCTION BOX
TC	–	TOP OF CURB
TP	–	TOP OF PLANTER WALL
TS	–	TOP OF STAIR
TPW	–	TOP OF PLANTER WALL
TW	–	TOP OF RETAINING WALL

SITE LEGEND

- A.C. PAVEMENT(NEW)
- CONCRETE PAVEMENT(NEW)
- VEGETATED FLOW-THRU PLANTER BIOSWALE (IMP)
- LANDSCAPE(NEW)
- CONCRETE PAVEMENT (EXISTING)
- A.C. PAVEMENT (EXISTING)

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C.38883 CIVIL STATE OF CALIFORNIA

Exp. 12/31/23

DATE	REVISIONS
3-18-24	REVISIONS PER CITY COMMENTS DATED 2-13-24.

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SCALE: 1"=30'
JOB No. 20300
DATE: 11-16-23
DWG No.

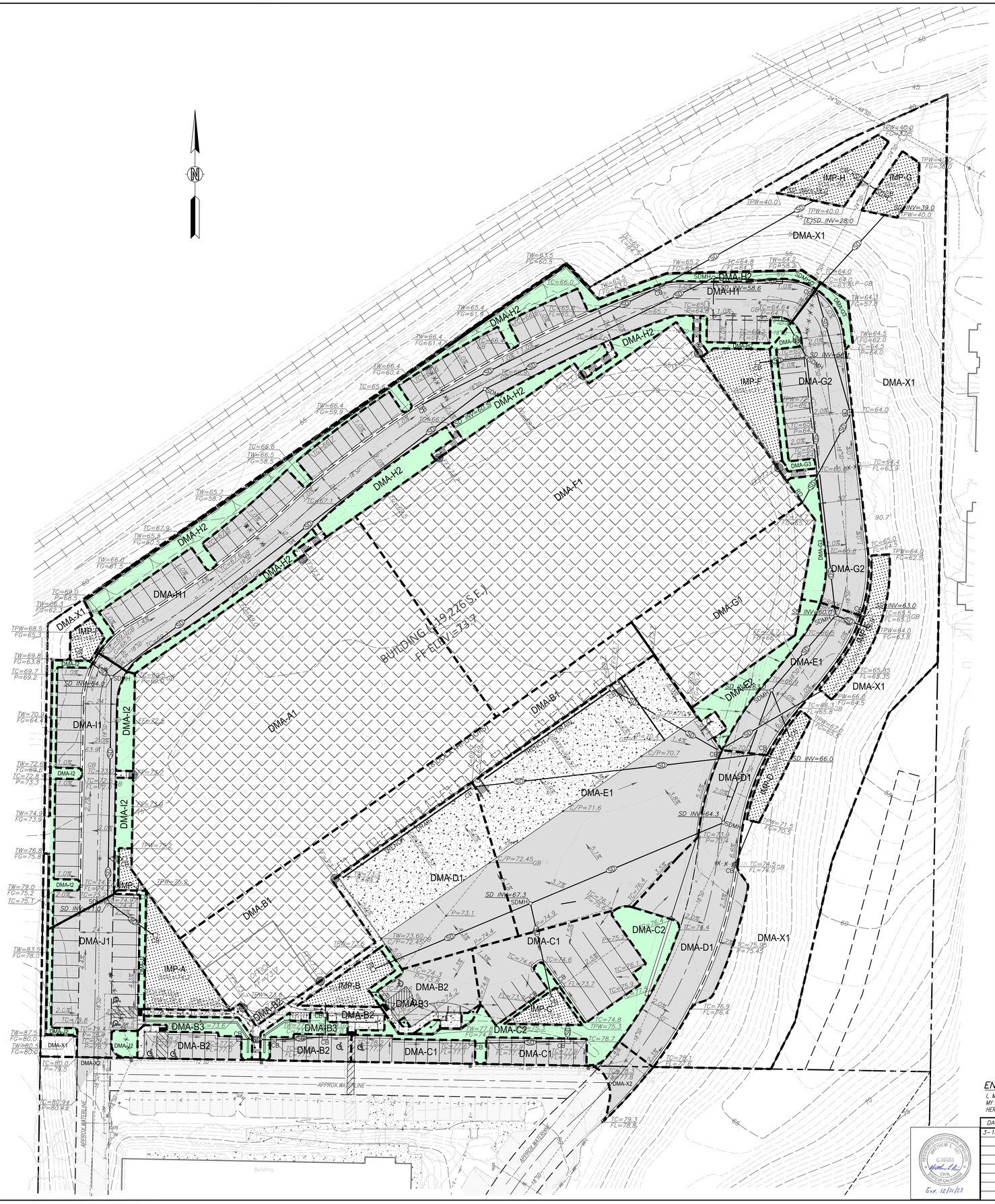
C1.01

PRELIMINARY GRADING & DRAINAGE PLAN

"PINOLE SHORES PHASE II"

830, 836, 842 & 848 SAN PABLO AVENUE

PINOLE CALIFORNIA



SURFACE LEGEND

- ROOF AREA (DMA-A1)
- A.C. PAVEMENT(NEW)
- CONCRETE PAVEMENT(NEW)
- LANDSCAPE/VEGETATED AREAS(NEW)
- VEGETATED FLOW-THRU PLANTER BIOSWALE (IMP-A)
- CONCRETE PAVEMENT (EXISTING)
- A.C. PAVEMENT (EXISTING)
- DRAINAGE AREA MANAGEMENT (DMA)

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C.39883 CIVIL STATE OF CALIFORNIA

Exp. 12/31/23

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FOR: GRP-SHORES-LLC

SCALE: 1"=30' | JOB No. 20300

DATE: 11-16-23 | DWG No.

C2.01

PRELIMINARY STORMWATER CONTROL PLAN

"PINOLE SHORES PHASE II"

830, 836, 842 & 848 SAN PABLO AVENUE

PINOLE CALIFORNIA

PRELIMINARY C.3 STORM WATER TREATMENT MEASURES

IMP ID	IMP TYPE	DMA AREA–ID	DMA TYPE	DRAINAGE AREA	IMPERVIOUS AREA	PERVIOUS AREA	BIORETENTION AREA REQUIRED	BIORETENTION AREA PROVIDED
A	BIORETENTION (ABOVE GROUND FLOW–THROUGH BIOSWALE)	A1	ROOF	44,764 SF 44,764 SF	44,764 SF 44,764 SF		2,162 SF 2,162 SF	2,518 SF
B	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	B1 B2 B3	ROOF HARDSCAPE LANDSCAPE	17,725 SF 4,374 SF 3,051 SF 25,150 SF	17,725 SF 4,374 SF 22,099 SF	3,051 SF 3,051 SF	856 SF 211 SF 103 SF 1,170 SF	1,221 SF
C	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	C1 C2	HARDSCAPE LANDSCAPE	8,218 SF 5,071 SF 17,475 SF	8,218 SF 8,218 SF	5,071 SF 5,071 SF	397 SF 171 SF 568 SF	658 SF
D	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	D1	HARDSCAPE	20,364 SF 20,364 SF	20,364 SF 20,364 SF		984 SF 984 SF	988 SF
E	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	E1 E2	HARDSCAPE LANDSCAPE	25,974 SF 1,891 SF 27,865 SF	25,974 SF 25,974 SF	1,891 SF 1,891 SF	1,255 SF 64 SF 1,319 SF	1,320 SF
F	BIORETENTION (ABOVE GROUND FLOW–THROUGH BIOSWALE)	F1	ROOF	46,992 SF 46,992 SF	46,992 SF 46,992 SF		2,270 SF 2,270 SF	2,278 SF
G	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	G1 G2 G3	ROOF HARDSCAPE LANDSCAPE	9,745 SF 8,739 SF 1,920 SF 20,404 SF	9,745 SF 8,739 SF 18,484 SF	1,920 SF 1,920 SF	471 SF 422 SF 65 SF 958 SF	1,125 SF
H	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	H1 H2	HARDSCAPE LANDSCAPE	23,815 SF 10,678 SF 34,493 SF	23,815 SF 23,815 SF	10,678 SF 10,678 SF	1,150 SF 361 SF 1,511 SF	1,530 SF
I	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	I1 I2	HARDSCAPE LANDSCAPE	7,708 SF 2,697 SF 10,405 SF	7,708 SF 7,708 SF	2,697 SF 2,697 SF	372 SF 91 SF 463 SF	487 SF
J	BIORETENTION (IN GROUND FLOW–THROUGH BIOSWALE)	J1 J2	HARDSCAPE LANDSCAPE	6,366 SF 1,072 SF 7,438 SF	6,366 SF 6,366 SF	1,072 SF 1,072 SF	307 SF 36 SF 343 SF	345 SF
X	BIORETENTION (SELF TREATING)	X1	EXISTING VEGETATED AREAS	53,139± SF 53,139± SF		53,139± SF 53,139± SF	N/A	N/A

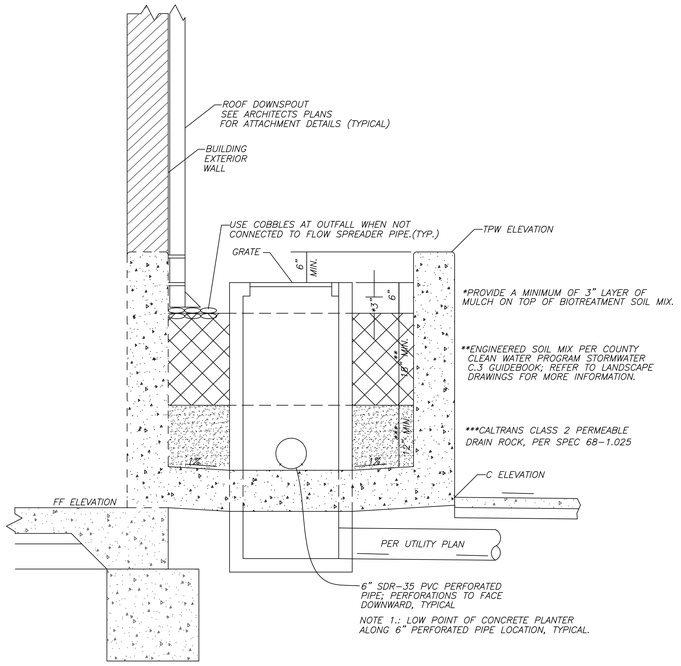
NOTE 1: THE FACTOR USED FOR DETERMINING TREATMENT AREA REQUIRED: ((1.0)(IMPERVIOUS AREA) + (0.7)(PERVIOUS AREA)) (0.0483)

NOTE 2: ALL ON–SITE AREA DRAINS AND OFF–SITE CATCH BASINS TO BE MARKED WITH "NO DUMPING – DRAINS TO BAY."

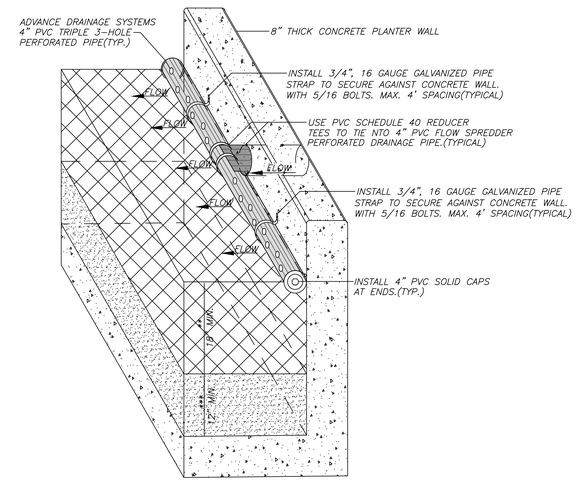
NOTE 3: THE DMA AREA (927 sf), LABELED: "DMA–X2" IS THE AREA THAT IS NEW IMPERVIOUS SURFACE NOT PROPOSED FOR TREATMENT.

NOTE: THE ORIGINAL PHASE 1 DESIGN DRAWINGS CONSTRUCTED AN UNDERGROUND STORM WATER TREAT FACILITY AT THE SOUTHERN PORTION OF THE PRIVATE ROADWAY ACCORDING TO THE REQUIREMENTS AND GUIDELINES IN 2006. THIS PROPOSED DEVELOPMENT WAS NOT PURSUED AND ONLY THE STORM DRAINAGE AND SANITARY SEWER INFRASTRUCTURE WAS INSTALLED AT THAT TIME, PER PLANS PREPARED BY AM WEST, INC ENGINEERING.

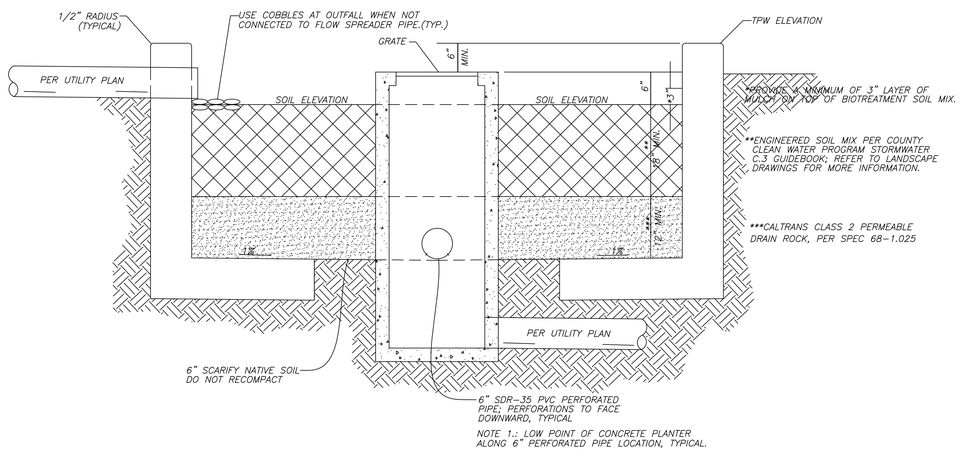
THE PROPOSED IMPERVIOUS ROOF, ASPHALT PAVEMENT & CONCRETE PAVEMENT FOR THAT PROPOSED DEVELOPEMENT WAS IN EXCESS OF: 196,000 SF. THE EXISTING TREATMENT FACILITY WILL NEED TO BE REVIEWED AND CONFIRMED TO HOW MUCH TREATMENT IS "CREDITED" TOWARDS THE CURRENT PROPOSED DEVELOPEMENT. THE PROPOSED TREATMENT AREAS SHOWN ON THESE PLANS MAY BE SIGNIFICANTLY REDUCED DUE TO A "CREDIT" OF TREATMENT IN PLACE.



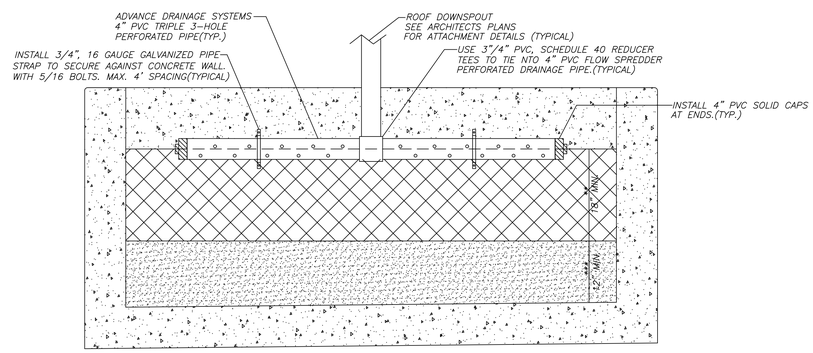
TYPICAL ENCLOSED FLOW–THRU VEGETATED PLANTER SECTION
(IMPS: A & F)
N.T.S. (DETAIL SHOWN FOR REFERENCE ONLY)



4" PVC FLOW SPREDDER DETAIL
FOR STORMDRAIN PIPE OUTFALL
N.T.S.



TYPICAL ENCLOSED FLOW–THRU VEGETATED PLANTER SECTION
(IMPS: B, C, D, E, G, H, I & J)
N.T.S. (DETAIL SHOWN FOR REFERENCE ONLY)



4" PVC FLOW SPREDDER DETAIL
FOR DOWNSPOUT OUTFALL
N.T.S.

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C 39883 CIVIL STATE OF CALIFORNIA
Exp. 12/31/23

DATE	REVISIONS
3–18–24	REVISIONS PER CITY COMMENTS DATED 2–13–24.

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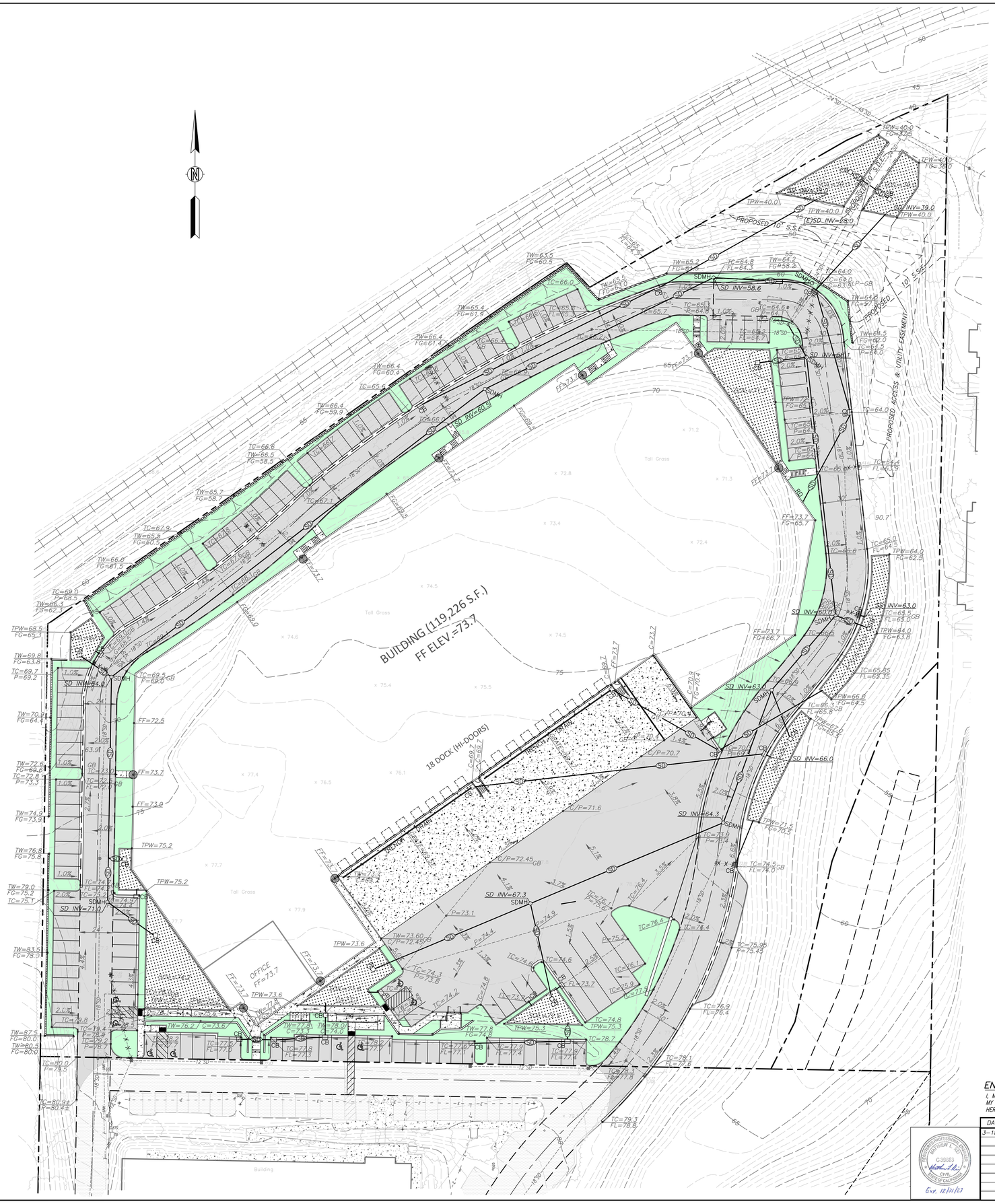
FOR: GRP–SHORES–LLC
SCALE: N/A
JOB No. 20300
DATE: 11–16–23
DWG No.

PRELIMINARY STORMWATER CONTROL PLAN
TABLE & DETAILS
"PINOLE SHORES PHASE II"
830, 836, 842 & 848 SAN PABLO AVENUE
PINOLE CALIFORNIA

C2.02



CIVIL UTILITY(STORM DRAINAGE) LEGEND

AD	–	AREA DRAIN
C	–	CONCRETE
CB	–	CATCH BASIN
(E) OR EX.	–	EXISTING
D	–	DROP MANHOLE(SDMH)
DI	–	DROP INLET(CB)
DS	–	ROOF DOWNSPOUT
FF	–	FINISH FLOOR ELEVATION
FL	–	FLOWLINE
IMP	–	INTEGRATED MANAGEMENT PRACTICE AREA
INV	–	INVERT (FLOWLINE OF PIPE ELEVATION)
OF	–	OVERFLOW AREA DRAIN
P	–	PAVEMENT
SD	–	STORM DRAIN PIPE
SDCO	–	STORM DRAIN CLEANOUT
SDJB	–	STORM DRAIN JUNCTION BOX
SDMH	–	STORM DRAIN MANHOLE
TC	–	TOP OF CURB

(SD) – STORM DRAIN PIPE, SIZE AS SHOWN;
10" & SMALLER: SDR–35 PVC PIPE & FITTINGS
12" & LARGER: HDPE SDR–17, RCP, OR EQUAL

DSO – 3"/4" ROOF DRAIN & DOWNSPOUT

DSB – ROOF DRAIN & DOWNSPOUT OUTFALLS ONTO CONCRETE SPLASH BLOCK.

(D) – PORTION OF EXISTING STORM DRAIN TO BE REMOVED

NOTE:

1. TRASH CAPTURE DEVICES SHALL BE INSTALLED ON ALL NEW STORM DRAIN INLETS, AND ALL EXISTING INLETS WITHIN PROJECT.

SITE LEGEND

- A.C. PAVEMENT(NEW)
- LANDSCAPE(NEW)
- CONCRETE PAVEMENT(NEW)
- CONCRETE PAVEMENT (EXISTING)
- VEGETATED FLOW–THRU PLANTER BIOSWALE (IMP)
- A.C. PAVEMENT (EXISTING)

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C-39283 CIVIL STATE OF CALIFORNIA
Exp. 12/31/23

DATE	REVISIONS
3–18–24	REVISIONS PER CITY COMMENTS DATED 2–13–24.

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FOR: GRP–SHORES–LLC
SCALE: 1"=30'
JOB No. 20300
DATE: 11–16–23
DWG No.

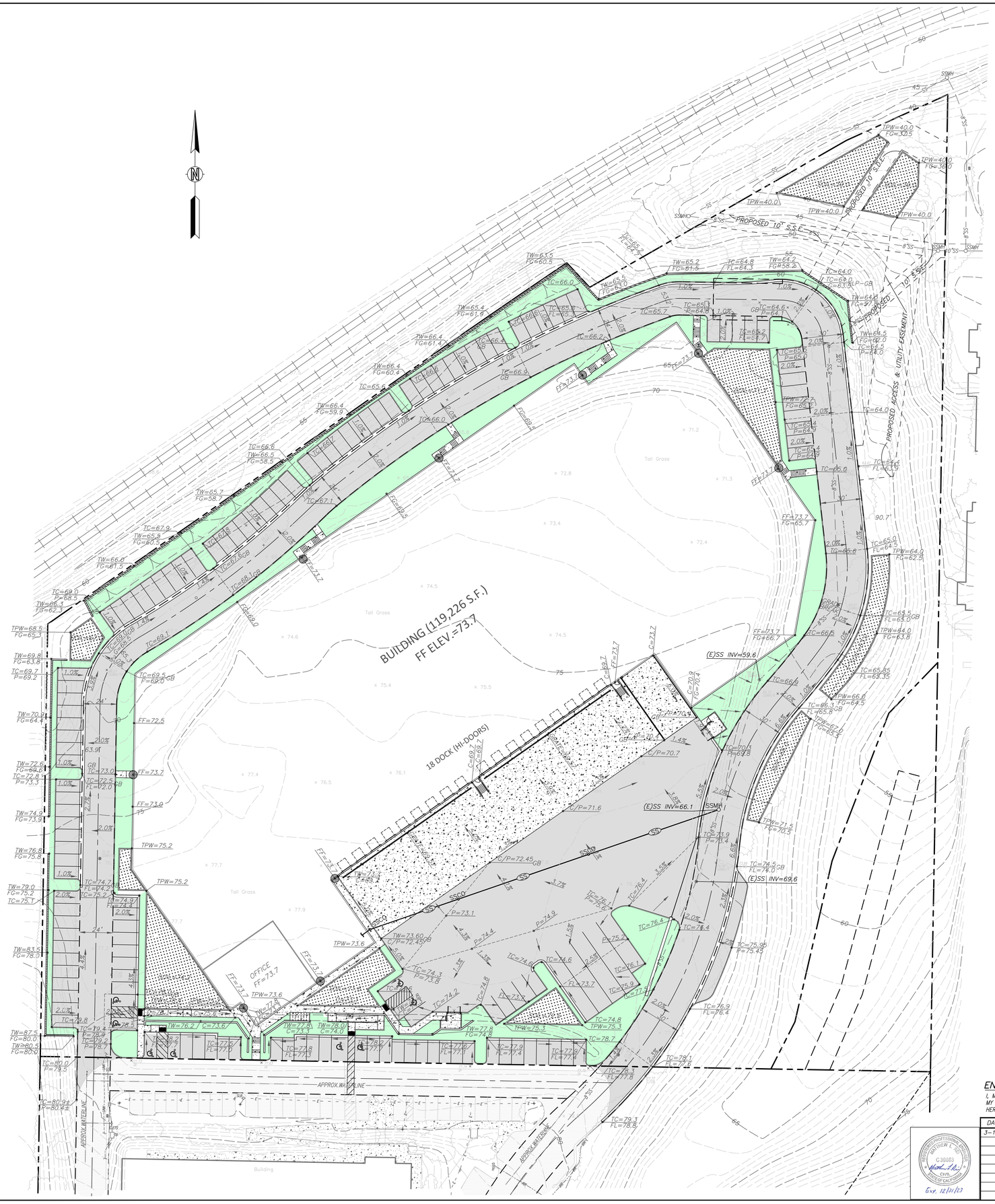
C3.01

PRELIMINARY UTILITY PLAN (STORM DRAINAGE)

"PINOLE SHORES PHASE II"

830, 836, 842 & 848 SAN PABLO AVENUE

PINOLE CALIFORNIA



CIVIL UTILITY(SANITARY SEWER) LEGEND

(E) OR EX.– EXISTING
FF – FINISH FLOOR ELEVATION
INV – INVERT (FLOWLINE OF PIPE ELEVATION)
SS – SANITARY SEWER
SSCO – SANITARY SEWER CLEANOUT
SSMH – SANITARY SEWER MANHOLE
TC – TOP OF CURB

(SS) – SANITARY SEWER LINE, SIZE AS SHOWN;
2" & SMALLER: CAST IRON SOIL PIPE
4" & LARGER: HDPE SDR–17

SITE LEGEND

- A.C. PAVEMENT(NEW)
- CONCRETE PAVEMENT(NEW)
- VEGETATED FLOW–THRU PLANTER BIOSWALE (IMP)
- LANDSCAPE(NEW)
- CONCRETE PAVEMENT (EXISTING)
- A.C. PAVEMENT (EXISTING)

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C-39283 CIVIL STATE OF CALIFORNIA
Exp. 12/31/23

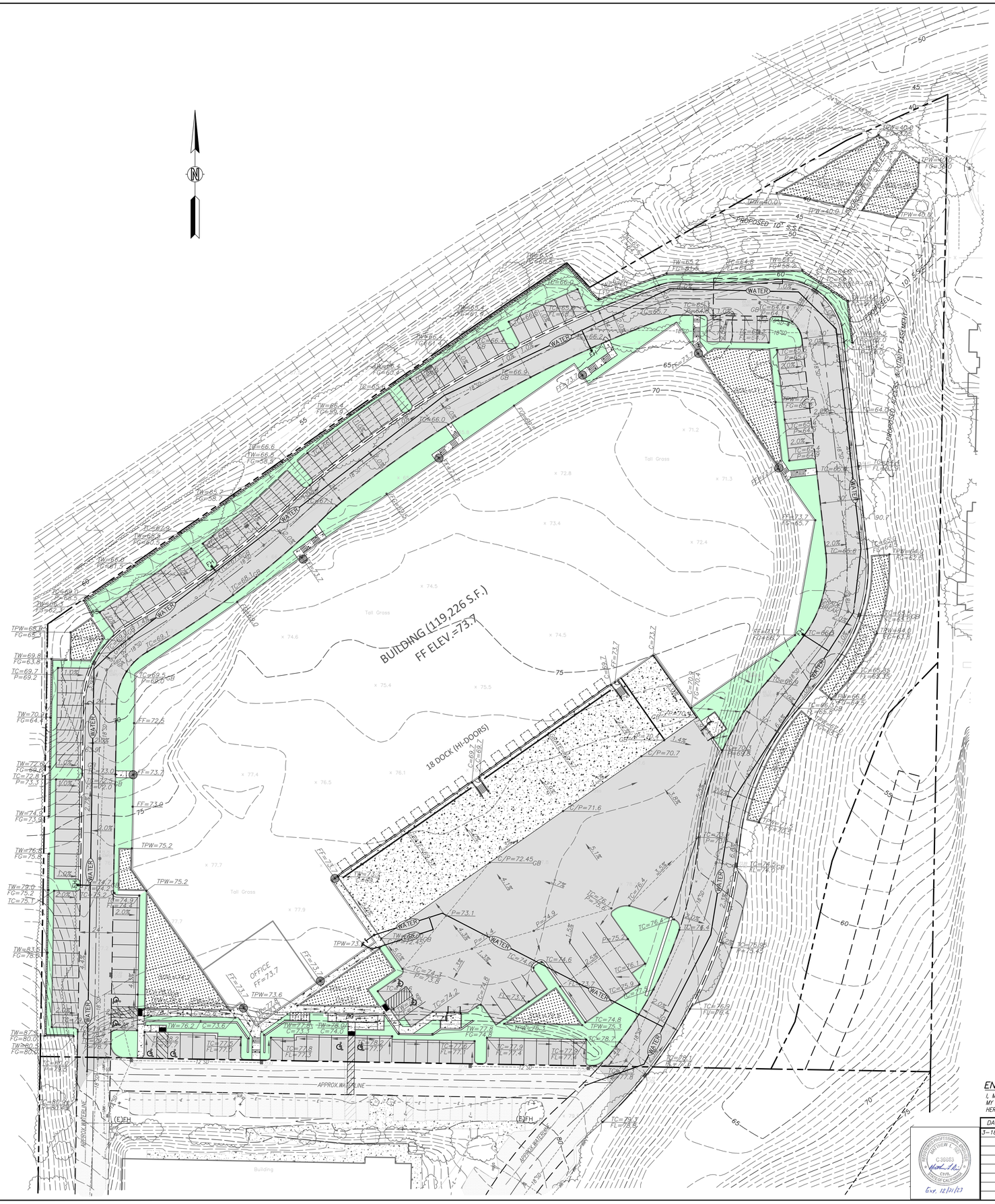
DATE	REVISIONS
3–18–24	REVISIONS PER CITY COMMENTS DATED 2–13–24.

KSR CIVIL ENGINEERING
215 LAFAYETTE CIRCLE, SUITE A
LAFAYETTE, CALIFORNIA 94549
PHONE: (510) 774–5471
E–MAIL: mattrei59@gmail.com

FOR: GRP–SHORES–LLC
SCALE: 1"=30'
JOB No. 20300
DATE: 11–16–23
DWG No.

C3.02

PRELIMINARY UTILITY PLAN
(SANITARY SEWER)
"PINOLE SHORES PHASE II"
830, 836, 842 & 848 SAN PABLO AVENUE
PINOLE CALIFORNIA



CIVIL UTILITY(DOMESTIC & FIRE WATER) LEGEND

- BFP – BACK FLOW PREVENTER
- (E) OR EX.– EXISTING
- DCV – DETECTOR CHECK VALVE
- FCO – BUILDING CLEANOUT
- FDC – FIRE DEPARTMENT CONNECTION
- FF – FINISH FLOOR ELEVATION
- FH – FIRE HYDRANT
- GV – GATE VALVE
- PIV – POST INDICATOR VALVE
- SOV – DOMESTIC WATER SHUT OFF VALVE
- TC – TOP OF CURB
- (E) FIRE HYDRANT
- WATER – DOMESTIC WATER LINE, SIZE AS SHOWN; 24" MINIMUM COVER; 2" & SMALLER: PIPE & FITTINGS TO BE SCH. 40 PVC; 2–1/2" & LARGER: PIPE & FITTINGS TO BE SCH. 80 PVC
- FIRE – FIRE WATER LINE, SIZE AS SHOWN; 36" MINIMUM COVER; PIPE & FITTINGS TO BE PVC C900, CLASS 200, WITH MECHANICAL JOINT FITTINGS; AT FIRE HYDRANT & WITHIN 5' OF STRUCTURE, PIPE TO BE DUCTILE IRON PIPE, CL. 350, WITH MECHANICAL JOINTS, OR EQ.

SITE LEGEND

- A.C. PAVEMENT(NEW)
- LANDSCAPE(NEW)
- CONCRETE PAVEMENT(NEW)
- CONCRETE PAVEMENT (EXISTING)
- VEGETATED FLOW–THRU PLANTER BIOSWALE (IMP)
- A.C. PAVEMENT (EXISTING)
- MASONRY RETAINING WALL(NEW)

ENGINEER'S STATEMENT:

I, MATTHEW L. REI, CERTIFY THAT THIS SITE PLAN HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION AND DO ATTEST TO THE ACCURACY OF ALL THE INFORMATION INDICATED HEREON.

REGISTERED PROFESSIONAL ENGINEER MATTHEW L. REI C.38583 CIVIL STATE OF CALIFORNIA

Exp. 12/31/23

DATE	REVISIONS
3–18–24	REVISIONS PER CITY COMMENTS DATED 2–13–24.

KSR CIVIL ENGINEERING
215 LAFAYETTE CIRCLE, SUITE A
LAFAYETTE, CALIFORNIA 94549
PHONE: (510) 774–5471
E–MAIL: mattrei59@gmail.com

FOR: GRP–SHORES–LLC
SCALE: 1"=30'
JOB No. 20300
DATE: 11–16–23
DWG No.

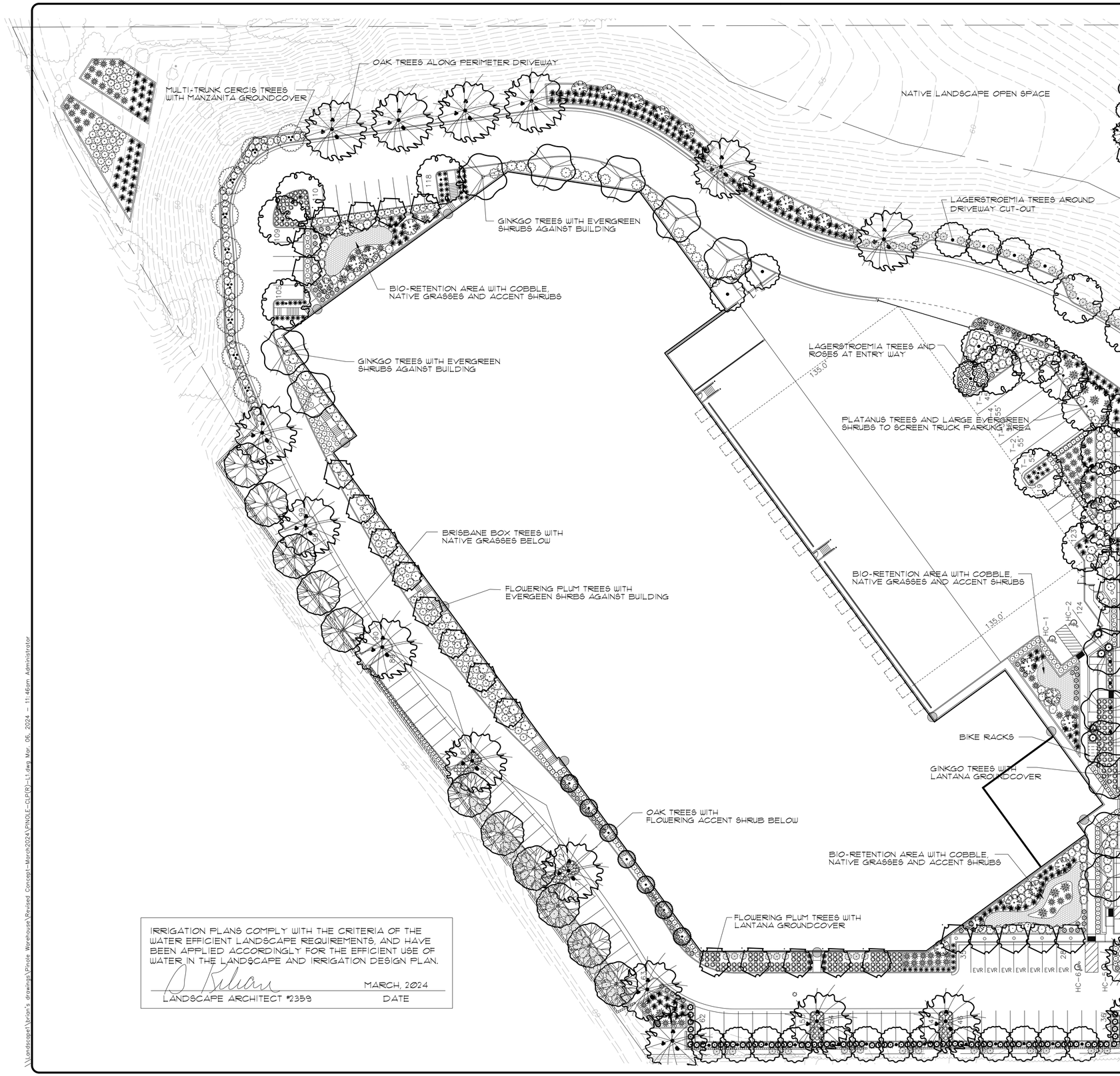
C3.03

PRELIMINARY UTILITY PLAN
(WATER SERVICE)

"PINOLE SHORES PHASE II"

830, 836, 842 & 848 SAN PABLO AVENUE

PINOLE CALIFORNIA



PRELIMINARY PLANT LIST

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	COUNT	WATER USE
	15 GAL	CERCIS OCCIDENTALIS	WESTERN REDBUD (MULTI)	9	LOW
	24" BOX	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	7	LOW
	24" BOX	GINKGO BILOBA 'AUTUMN GOLD'	MAIDENHAIR TREE	13	LOW
	24" BOX	LAGERSTROEMIA HYBRID 'TUSCARORA'	CRAPE MYRTLE (STANDARD)	21	LOW
	24" BOX	LOPHOSTEMON CONFERTUS	BRISBANE BOX	11	LOW
	24" BOX	QUERCUS AGRIFOLIA	COAST LIVE OAK	16	LOW
	24" BOX	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	17	LOW
	15 GAL	PRUNUS BLIREANA	FLOWERING PLUM	29	LOW
	5 GAL	AGAPANTHUS AFRICANUS	LILY-OF-THE-NILE	20	LOW
	5 GAL	AGAVE WEBERI	WEBER AGAVE	14	LOW
	1 GAL	ARCTOSTAPHYLOS 'EMERALD CARPET'	MANZANITA GROUNDCOVER	156	LOW
	5 GAL	BERBERIS THUNBERGII 'ROSE GLOW'	JAPANESE BARBERRY	69	LOW
	5 GAL	CALLISTEMON VIMINALIS 'LITTLE JOHN'	WEEPING BOTTLEBRUSH	42	LOW
	1 GAL	CAREX DIVULSA	SEDGE	64	LOW
	5 GAL	COTINUS COGGYGRIA 'ROYAL PURPLE'	SMOKE TREE (MULTI)	20	LOW
	1 GAL	COTONEASTER DAMMERI 'LOWFAST'	BEARBERRY COTONEASTER	32	LOW
	1 GAL	HEMEROCALLIS HYBRIDS	DAYLILY	86	LOW
	5 GAL	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	JUNIPER 'BLUE CHIP'	92	LOW
	5 GAL	JUNIPERUS CHINENSIS 'MINT JULEP'	JUNIPER 'MINT JULEP'	58	LOW
	1 GAL	LANTANA HYBRID 'GOLD RUSH'	VERBENACEAE	128	LOW
	5 GAL	LOMANDRA LONGIFOLIA	DWARD MATT RUSH	189	LOW
	1 GAL	MUHLENBERGIA RIGIDA	PURPLE MUHLY	65	LOW
	5 GAL	NANDINA DOMESTICA 'LEMON LIME'	HEAVENLY BAMBOO	38	LOW
	5 GAL	NERIUM OLEANDER, WHITE	WHITE OLEANDER	25	LOW
	5 GAL	PHORMIUM HYBRIDS 'JACK SPRATT'	PHORMIUM	14	LOW
	5 GAL	PITTOSPORUM TENUIFOLIUM'GOLF BALL'	PITTOSPORUM	62	LOW
	5 GAL	RHAPHIOLEPIS INDICA 'CLARA'	INDIAN HAWTHORN	28	LOW
	5 GAL	ROSA 'PINK FLOWER CARPET'	ROSE GROUNDCOVER	26	LOW
	1 GAL	ROSMARINUS OFFICINALIS 'IRENE'	ROSEMARY	54	LOW
	5 GAL	SALVIA MICROPHYLLA 'HOT LIPS'	SAGE	12	LOW
	1 GAL	TULBAGHIA VIOLACEA 'TRICOLOR'	SOCIETY GARLIC	52	LOW

NOTE: THERE ARE NO EXISTING TREES ON-SITE; THERE IS NO TREE REMOVAL PLAN.

ALL LANDSCAPING SHALL MEET THE REQUIREMENTS OF CHAPTER 17.44 LANDSCAPING OF THE CITY OF PINOLE MUNICIPAL CODE.

30% OF TREES SHALL BE EVERGREEN
25% OF TREES SHALL BE 24" BOX SIZE
LANDSCAPE AND IRRIGATION SHALL MEET WELO REQUIREMENTS

L. Parking Lot Landscape. Parking lot landscape includes perimeter planters, abutting parking lots and drive aisles, tree planting for parking lot shade, and a combination of continuous planting strips, planting fingers, and parking islands throughout the parking lot. Parking lot landscape requirements applicable to parking lots commercial, industrial, mixed-use, and multi-family parking lots with five (5) or more spaces are listed below:

1. Parking areas. All surface parking areas shall be screened from streets and adjoining properties, and the open space areas between the property line and public street right-of-way shall be landscaped with a combination of trees, shrubs, and ground cover. Screening between residential and nonresidential uses shall not be less than five (5) feet in height. Parking lot landscaping shall be located so that pedestrians are not required to cross unpaved areas to reach building entrances from parked cars.

2. Parking lot screening. Landscaping within the perimeter planter abutting any street right-of-way shall be designed and maintained for partial screening of vehicles to a minimum height of thirty (30) inches measured from the finished grade of the parking lot. Screening materials may include a combination of plant materials, earthen berms, solid masonry walls, raised planters, or other screening devices authorized by the designated approving authority which meet the intent of this screening requirement. Planting materials shall be designed to ensure that planting within the clear vision triangle at driveway and street intersections will not exceed thirty (30) inches in height at full maturity.

3. Parking Lot Shade. Parking lot landscaping shall include shade trees placed so as to cover at least fifty percent (50%) of the total parking area with tree canopies within fifteen (15) years of securing building permit and eighty-five percent (85%) coverage at full maturity. Shade tree selection shall be approved by the Community Development Director to ensure that shade canopy will be achieved. The percentage of the area required to be shaded shall be based on the number of above-ground and uncovered parking spaces provided. Tree coverage shall be determined by the approximate crown diameter of each tree at fifteen (15) years, as estimated on the approved tree list. Trees shall be a minimum fifteen (15)-gallon size at planting.

4. Existing Trees. Existing mature trees on the site in good health shall be preserved whenever possible. (Ord. 2010-02 § 1 (part), 2010)

CONCEPTUAL LANDSCAPE

IRRIGATION PLANS COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE REQUIREMENTS, AND HAVE BEEN APPLIED ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

LANDSCAPE ARCHITECT #2359 — MARCH, 2024 DATE

N E S W

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

NOTE
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BORRECCO/KILIAN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
1241 Pine Street
Martinez, California 94553
Phone: 925/372-5306

LANDSCAPE ARCHITECT Brian F. Kilian 03/18/24 CALIFORNIA

REV	DATE	DESCRIPTION

DISCLAIMER: ALL VELLUM, BOND, TRACE, BLUEPRINT, ETC. DRAWINGS PROVIDED WITH BORRECCO/KILIAN & ASSOCIATES, INC. (BK&A) LANDSCAPE ARCHITECTS, TITLE BLOCK AND/OR SIGNATURE STAMP, IS CONSIDERED TO BE A COPY OF THE ORIGINAL DESIGN RETAINED BY BK&A IN ELECTRONIC FORMAT. BK&A WILL ONLY ACKNOWLEDGE SIGNED AND STAMPED PLANS AND DRAWINGS AFTER COMPARISON AND WRITTEN VERIFICATION WITH THE ORIGINAL ELECTRONIC FILES RETAINED BY BK&A. NO RESPONSIBILITY OR LIABILITY IS EXPRESSED OR IMPLIED FOR ELECTRONIC DATA AND/OR REPRODUCED PLANS AND DRAWINGS USED WITHOUT BK&A'S SIGNATURE.

TITLE OF PROJECT
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: BK

THIS PLAN IS: PRELIM

SHEET NUMBER: L-1
TITLE OF DRAWING: LANDSCAPE

\\Landscape\Brian's drawings\Pinole Warehouse\Revised Concept-March2024\PINOLE-GLP(R)-L1.dwg Mar 06, 2024 - 11:46am Administrator

PRELIMINARY PLANT LIST

SYMBOL	SIZE	COMMON NAME
	15 GAL	WESTERN REDBUD (MULTI)
	24" BOX	ITALIAN CYPRESS
	24" BOX	MAIDENHAIR TREE
	24" BOX	CRAPE MYRTLE (STANDARD)
	24" BOX	BRISBANE BOX
	24" BOX	COAST LIVE OAK
	24" BOX	CALIFORNIA SYCAMORE
	15 GAL	FLOWERING PLUM

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

IRRIGATION PLANS COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE REQUIREMENTS, AND HAVE BEEN APPLIED ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

LANDSCAPE ARCHITECT #2359 — MARCH, 2024 DATE

CONCEPTUAL TREE PLANTING PLAN

DISCLAIMER: ALL VELLUM, BOND, TRACE, BLUEPRINT, ETC. DRAWINGS PROVIDED WITH BORRECCO/KILIAN & ASSOCIATES, INC. (BK&A) LANDSCAPE ARCHITECTS, TITLE BLOCK AND/OR SIGNATURE STAMP, IS CONSIDERED TO BE A COPY OF THE ORIGINAL DESIGN RETAINED BY BK&A IN ELECTRONIC FORMAT. BK&A WILL ONLY ACKNOWLEDGE SIGNED AND STAMPED PLANS AND DRAWINGS AFTER COMPARISON AND WRITTEN VERIFICATION WITH THE ORIGINAL ELECTRONIC FILES RETAINED BY BK&A. NO RESPONSIBILITY OR LIABILITY IS EXPRESSED OR IMPLIED FOR ELECTRONIC DATA AND/OR REPRODUCED PLANS AND DRAWINGS USED WITHOUT BK&A'S SIGNATURE.

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BORRECCO/KILIAN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
1241 Pine Street
Martinez, California 94553
Phone: 925/372-5306

REGISTERED LANDSCAPE ARCHITECT — BRIAN K. KILIAN — 2359 — 03/18/24 — STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

TITLE OF PROJECT
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

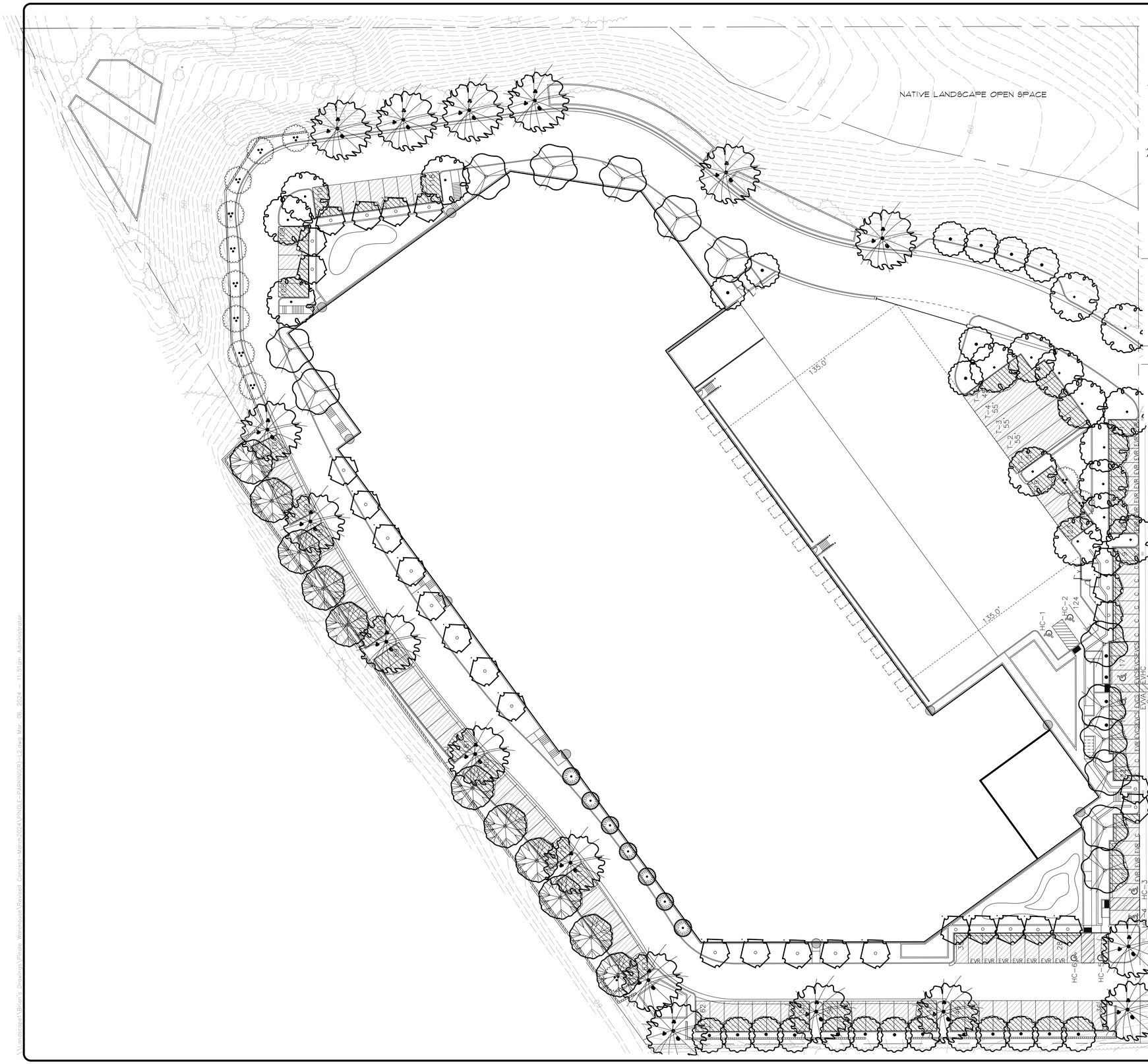
DATE: 03/18/24
DRAWN BY: EK

THIS PLAN IS: PRELIM

SHEET NUMBER: L-1.1

TITLE OF DRAWING: LANDSCAPE

\\Landscape1\brian's drawings\Pinole Warehouse\Revised Concept-March2024\Color CLP(R).dwg Mar. 06, 2024 - 11:35am Administrator



PRELIMINARY PLANT LIST

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME
	15 GAL	CERCIS OCCIDENTALIS	WESTERN REDBUD (MULTI)
	24" BOX	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS
	24" BOX	GINKGO BILOBA 'AUTUMN GOLD'	MAIDENHAIR TREE
	24" BOX	LAGERSTROEMIA HYBRID 'TUSCARORA'	CRAPE MYRTLE (STANDARD)
	24" BOX	LOPHOSTEMON CONFERTUS	BRISBANE BOX
	24" BOX	QUERCUS AGRIFOLIA	COAST LIVE OAK
	24" BOX	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
	15 GAL	PRUNUS BLIREANA	FLOWERING PLUM

PARKING STALL SHADING CALCULATIONS

50% OF TOTAL PARKING STALL AREA REQUIRED TO BE SHADED

TOTAL PARKING STALL AREA	25,162 SQ. FT.
TOTAL PARKING TREE SHADING AREA	12, 788 SQ. FT.
PERCENTAGE OF PARKING SHADED	51%

PARKING STALL SHADE

N E S W

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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BORRECCO/KILIAN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
1241 Pine Street
Martinez, California 94553
Phone: 925/372-5306

LANDSCAPE ARCHITECT
KEVIN T. KILIAN
03/18/24
DATE
STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

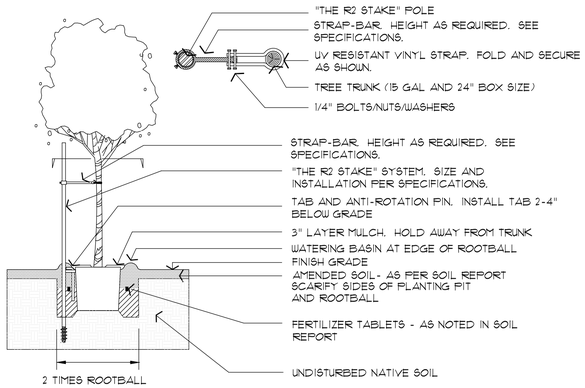
TITLE OF PROJECT
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: BK

THIS PLAN IS:
PRELIM

SHEET NUMBER
L-2

TITLE OF DRAWING:
LANDSCAPE

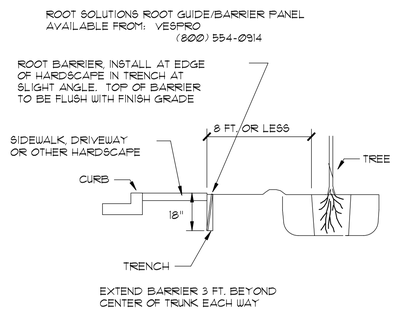


NOTES:
TREE STAKE TO BE LOCATED ON PREVAILING WIND SIDE WHEN TREE IS IN LEAF.

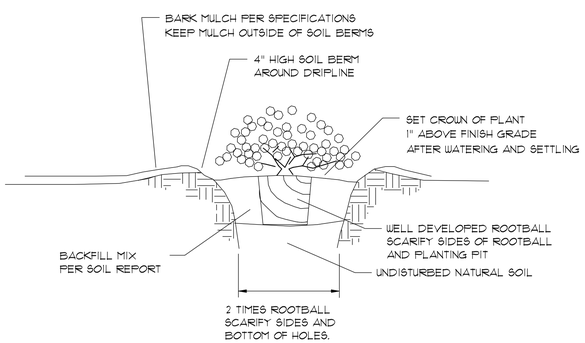
INSTALL TREE'S ROOTBALL 2" ABOVE FINISH GRADE (ROOT FLARE SHALL BE EXPOSED AT GRADE)

TREE PLANTING AND STAKING DETAIL

CONTACT J. R. PARTNERS @ (888) 333-3090 FOR TREE STAKES



ROOT BARRIER DETAIL



SHRUB PLANTING DETAIL

PRELIMINARY PLANT LIST

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	COUNT	WATER USE
	15 GAL	CERCIS OCCIDENTALIS	WESTERN REDBUD (MULTI)	9	LOW
	24" BOX	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	7	LOW
	24" BOX	GINKGO BILOBA 'AUTUMN GOLD'	MAIDENHAIR TREE	13	LOW
	24" BOX	LAGERSTROEMIA HYBRID 'TUSCARORA'	CRAPE MYRTLE (STANDARD)	21	LOW
	24" BOX	LOPHOSTEMON CONFERTUS	BRISBANE BOX	11	LOW
	24" BOX	QUERCUS AGRIFOLIA	COAST LIVE OAK	16	LOW
	24" BOX	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	17	LOW
	15 GAL	PRUNUS BLIREANA	FLOWERING PLUM	29	LOW
	5 GAL	AGAPANTHUS AFRICANUS	LILY-OF-THE-NILE	20	LOW
	5 GAL	AGAVE WEBERI	WEBER AGAVE	14	LOW
	1 GAL	ARCTOSTAPHYLOS 'EMERALD CARPET'	MANZANITA GROUNDCOVER	156	LOW
	5 GAL	BERBERIS THUNBERGII 'ROSE GLOW'	JAPANESE BARBERRY	69	LOW
	5 GAL	CALLISTEMON VIMINALIS 'LITTLE JOHN'	WEEPING BOTTLEBRUSH	42	LOW
	1 GAL	CAREX DIVULSA	SEDGE	64	LOW
	5 GAL	COTINUS COGGYGRIA 'ROYAL PURPLE'	SMOKE TREE (MULTI)	20	LOW
	1 GAL	COTONEASTER DAMMERI 'LOWFAST'	BEARBERRY COTONEASTER	32	LOW
	1 GAL	HEMEROCALLIS HYBRIDS	DAYLILY	86	LOW
	5 GAL	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	JUNIPER 'BLUE CHIP'	92	LOW
	5 GAL	JUNIPERUS CHINENSIS 'MINT JULEP'	JUNIPER 'MINT JULEP'	58	LOW
	1 GAL	LANTANA HYBRID 'GOLD RUSH'	VERBENACEAE	128	LOW
	5 GAL	LOMANDRA LONGIFOLIA	DWARD MATT RUSH	189	LOW
	1 GAL	MUHLENBERGIA RIGIDA	PURPLE MUHLY	65	LOW
	5 GAL	NANDINA DOMESTICA 'LEMON LIME'	HEAVENLY BAMBOO	38	LOW
	5 GAL	NERIUM OLEANDER, WHITE	WHITE OLEANDER	25	LOW
	5 GAL	PHORMIUM HYBRIDS 'JACK SPRATT'	PHORMIUM	14	LOW
	5 GAL	PITTOSPORUM TENUIFOLIUM'GOLF BALL'	PITTOSPORUM	62	LOW
	5 GAL	RHAPHIOLEPIS INDICA 'CLARA'	INDIAN HAWTHORN	28	LOW
	5 GAL	ROSA 'PINK FLOWER CARPET'	ROSE GROUNDCOVER	26	LOW
	1 GAL	ROSMARINUS OFFICINALIS 'IRENE'	ROSEMARY	54	LOW
	5 GAL	SALVIA MICROPHYLLA 'HOT LIPS'	SAGE	12	LOW
	1 GAL	TULBAGHIA VIOLACEA 'TRICOLOR'	SOCIETY GARLIC	52	LOW

PLANTING NOTES

- THE LANDSCAPE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO DETERMINE EXISTING CONDITIONS. ADDITIONAL COMPENSATION RESULTING FROM ALLEGED IGNORANCE OF LOCAL AND/OR EXISTING CONDITIONS AND THEIR EFFECT UPON THE COST OF THE WORK WILL NOT BE SUBSEQUENTLY APPROVED.
- PRIOR TO COMMENCING WORK, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING WITH THE GENERAL CONTRACTOR THAT THE PRELIMINARY GRADING AS SHOWN ON THE CIVIL ENGINEER'S DRAWING HAS BEEN COMPLETED, AND THAT ALL CONCRETE, ASPHALT, LARGE ROCKS, BASE ROCK MATERIAL AND ANY OTHER DEBRIS HAS BEEN REMOVED FROM ALL LANDSCAPE PLANTER AREAS. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A WRITTEN COPY OF THE VERIFICATION TO THE OWNER PRIOR TO PLANTING.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADING OF ALL PLANTING AREAS. FINISH GRADE SHALL BE SMOOTH, EVEN AND UNIFORM PLANE WITH NO LOW SPOTS OR ABRUPT CHANGE OF SURFACE. SLOPE TO DRAIN, AND SLOPE ALL GRADES AWAY FROM BUILDINGS A MINIMUM OF 2%. FINISH GRADE SHALL BE TWO INCHES (2") BELOW ADJACENT PAVING, CURB, SIDEWALK AND HEADERBOARD, AND GENERALLY CROWNED TOWARDS THE CENTER OF THE PLANTER. THE ADDITION OF BARK MULCH OR LAWN SHALL RAISE ALL PLANTER AREAS LEVEL WITH ADJACENT SIDEWALKS AND OTHER PEDESTRIAN AREAS.

AS PART OF THIS WORK, THE LANDSCAPE CONTRACTOR SHALL HIRE A SOIL & PLANT LABORATORY TO TAKE SAMPLES AND PROVIDE A SOILS TEST AND RECOMMENDATIONS FOR SOIL AMENDMENTS AND SOIL PREPARATION PER WELO FOR THE FOLLOWING LANDSCAPE AREAS:

TREE, SHRUB AND GROUNDCOVER PLANTING AREAS.

THE TEST SHALL BE COMPLETED AFTER THE SITE IS GRADED AND PRIOR TO PLANTING. CONTRACTOR SHALL PROVIDE COPIES OF THE SOIL TEST TO THE OWNER'S REPRESENTATIVE PRIOR TO AMENDING THE SOIL.

UNLESS MODIFIED OTHERWISE BY THE SOIL REPORT, THE LANDSCAPE CONTRACTOR SHALL INCORPORATE ORGANIC COMPOST AT A MINIMUM RATE OF FOUR (4) CUBIC YARDS PER 1,000 SQUARE FEET TO A DEPTH 6" INTO THE LANDSCAPE AREA.

- THE PLANT LIST IS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY TOTAL QUANTITY IN THE FIELD BASED ON THE LANDSCAPE PLANS, AND SHALL NOT RELY SOLELY ON THE PLANT LIST.
- 30% OF ALL TREES SHALL BE EVERGREEN
  25% OF ALL TREES SHALL BE A MINIMUM OF 24" BOX SIZE
- ANY TREE PLANTED CLOSER THAN TEN FT. (10') TO ANY HARDSCAPE SURFACE OR FOUNDATION SHALL HAVE A ROOT BARRIER INSTALLED. ROOT BARRIER SHALL BE A CONTINUOUS BARRIER 18 INCHES DEEP, PLASTIC ROLL WITH RAISED RIBS FACING PLANTER AREA. ROOT BARRIERS SHALL BE INSTALLED AT THE BACK OF SIDEWALK, ALONG CURB OR OTHER HARDSCAPE IN TRENCH AT SLIGHT ANGLE. INSTALL ROOT BARRIER ALONG SIDE OF HARDSCAPE AREA ONLY, FOR A DISTANCE OF 3 FT. TO BOTH SIDES OF TREE TRUNK.
- DO NOT INSTALL ANY PLANT IN A SWALE OR IN SUCH A MANNER WHICH WILL INTERFERE WITH DRAINAGE.
- ALL PLANTED SLOPES 2:1 AND GREATER SHALL HAVE EROSION CONTROL NETTING INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- ORGANIC WOOD CHIP MULCH - ALL AREAS SHALL RECEIVE A THREE INCH (3") LAYER OF ORGANIC WOOD CHIP MULCH. KEEP ALL MULCH 6 INCHES AWAY FROM THE TRUNK OF PLANTS. SUBMIT SAMPLE OF BARK MULCH FOR APPROVAL PRIOR TO DELIVERY TO PROJECT. NO 'GORILLA HAIR' OR SHREDDED MULCH ALLOWED.

IRRIGATION PLANS COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE REQUIREMENTS, AND HAVE BEEN APPLIED ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

LANDSCAPE ARCHITECT #2359 — MARCH, 2024 DATE

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LANDSCAPE ARCHITECTS
1241 Pine Street
Martinez, California 94553
Phone: 925/372-5306

REGISTERED LANDSCAPE ARCHITECT — JAMES A. BORRECCO — REGISTRATION NUMBER 2359 — 03/18/24 — STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

TITLE OF PROJECT
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: B.K.
THIS PLAN IS: PRELIM

SHEET NUMBER L-3
TITLE OF DRAWING: LANDSCAPE

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\\Landscape1\Brian's Drawings\Pinole Warehouse\Revised Concept-March2024\PINOLE-CLD(R)-L3.dwg Mar 06, 2024 - 11:52am Administrator

CERCIS OCCIDENTALIS

CUPRESSUS SEMPERVIRENS

GINKGO BILOBA 'AUTUMN GOLD'

LAGERSTROEMIA HYBRID 'TUSCARORA'

LOPHOSTEMON CONFERTUS

QUERCUS AGRIFOLIA

PLATANUS RACEMOSA

PRUNUS BLIREANA

PRELIMINARY PLANT LIST

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	COUNT	WATER USE
	15 GAL	CERCIS OCCIDENTALIS	WESTERN REDBUD (MULTI)	9	LOW
	24" BOX	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	7	LOW
	24" BOX	GINKGO BILOBA 'AUTUMN GOLD'	MAIDENHAIR TREE	13	LOW
	24" BOX	LAGERSTROEMIA HYBRID 'TUSCARORA'	CRAPE MYRTLE (STANDARD)	21	LOW
	24" BOX	LOPHOSTEMON CONFERTUS	BRISBANE BOX	11	LOW
	24" BOX	QUERCUS AGRIFOLIA	COAST LIVE OAK	16	LOW
	24" BOX	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	17	LOW
	15 GAL	PRUNUS BLIREANA	FLOWERING PLUM	29	LOW
	5 GAL	AGAPANTHUS AFRICANUS	LILY-OF-THE-NILE	20	LOW
	5 GAL	AGAVE WEBERI	WEBER AGAVE	14	LOW
	1 GAL	ARCTOSTAPHYLOS 'EMERALD CARPET'	MANZANITA GROUNDCOVER	156	LOW
	5 GAL	BERBERIS THUNBERGII 'ROSE GLOW'	JAPANESE BARBERRY	69	LOW
	5 GAL	CALLISTEMON VIMINALIS 'LITTLE JOHN'	WEEPING BOTTLEBRUSH	42	LOW
	1 GAL	CAREX DIVULSA	SEDGE	64	LOW
	5 GAL	COTINUS COGGYGRIA 'ROYAL PURPLE'	SMOKE TREE (MULTI)	20	LOW
	1 GAL	COTONEASTER DAMMERI 'LOWFAST'	BEARBERRY COTONEASTER	32	LOW
	1 GAL	HEMEROCALLIS HYBRIDS	DAYLILY	86	LOW
	5 GAL	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	JUNIPER 'BLUE CHIP'	92	LOW
	5 GAL	JUNIPERUS CHINENSIS 'MINT JULEP'	JUNIPER 'MINT JULEP'	58	LOW
	1 GAL	LANTANA HYBRID 'GOLD RUSH'	VERBENACEAE	128	LOW
	5 GAL	LOMANDRA LONGIFOLIA	DWARD MATT RUSH	189	LOW
	1 GAL	MUHLENBERGIA RIGIDA	PURPLE MUHLY	65	LOW
	5 GAL	NANDINA DOMESTICA 'LEMON LIME'	HEAVENLY BAMBOO	38	LOW
	5 GAL	NERIUM OLEANDER, WHITE	WHITE OLEANDER	25	LOW
	5 GAL	PHORMIUM HYBRIDS 'JACK SPRATT'	PHORMIUM	14	LOW
	5 GAL	PITTOSPORUM TENUIFOLIUM'GOLF BALL'	PITTOSPORUM	62	LOW
	5 GAL	RHAPHIOLEPIS INDICA 'CLARA'	INDIAN HAWTHORN	28	LOW
	5 GAL	ROSA 'PINK FLOWER CARPET'	ROSE GROUNDCOVER	26	LOW
	1 GAL	ROSMARINUS OFFICINALIS 'IRENE'	ROSEMARY	54	LOW
	5 GAL	SALVIA MICROPHYLLA 'HOT LIPS'	SAGE	12	LOW
	1 GAL	TULBAGHIA VIOLACEA 'TRICOLOR'	SOCIETY GARLIC	52	LOW

AGAPANTHUS AFRICANUS

AGAVE WEBERI

ARCTOSTAPHYLOS 'EMERALD CARPET'

BERBERIS THUNBERGII

CALLISTEMON VIMINALIS 'LITTLE JOHN'

CAREX DIVULSA

COTINUS COGGYGRIA 'ROYAL PURPLE'

COTONEASTER DAMMERI 'LOWFAST'

HEMEROCALLIS HYBRIDS

JUNIPERUS HORIZONTALIS 'BLUE CHIP'

JUNIPERUS CHINENSIS 'MINT JULEP'

LANTANA HYBRID 'GOLD RUSH'

LOMANDRA LONGIFOLIA

MUHLENBERGIA RIGIDA

NANDINA DOMESTICA 'LEMON LIME'

NERIUM OLEANDER, WHITE

PHORMIUM HYBRIDS

PITTOSPORUM TENUIFOLIUM

RHAPHIOLEPIS INDICA 'CLARA'

ROSA fLOWER CARPET'

ROSMARINUS OFFICINALIS

SALVIA MICROPHYLLA 'HOT LIPS'

TULBAGHIA VIOLACEA

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Phone: 925/372-5506

REGISTERED LANDSCAPE ARCHITECT
BRIAN KIRKWOOD
03/18/24
STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

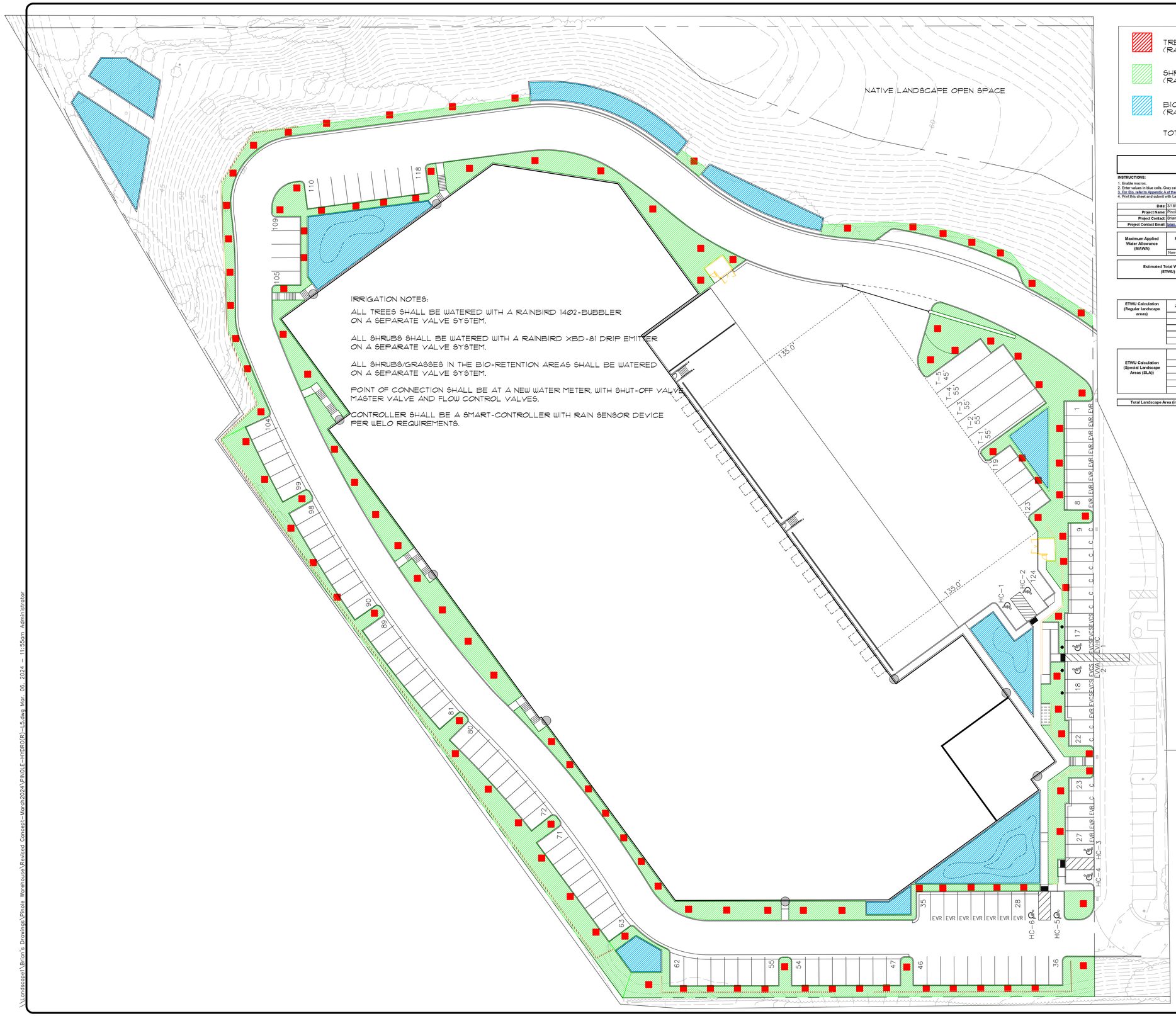
TITLE OF PROJECT:
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: BK

THIS PLAN IS: PRELIM

SHEET NUMBER: L-4
TITLE OF DRAWING: LANDSCAPE

\\Landscape1\Brian's Drawings\Pinole Warehouse\Revised Concept-March2024\PINOLE-PLANTPHOTOS(R)-L4.dwg Mar. 06, 2024 - 11:54am Administrator



TREE HYDROZONE - LOW WATER USE (2,000 SQ. FT.) (RAINBIRD 1402 BUBBLERS)

SHRUB HYDROZONE - LOW WATER USE (28,715 SQ. FT.) (RAINBIRD XBD-81 DRIP EMITTERS)

BIOSWALE HYDROZONE - LOW WATER USE (12,272 SQ. FT.) (RAINBIRD XBD-81 DRIP EMITTERS)

TOTAL LANDSCAPE AREA = 42,987 SQ. FT.

WELO
Water Budget and Water Use Calculator

INSTRUCTIONS:
1. Enable macros.
2. Enter values in blue cells. Gray cells will automatically fill.
3. For ETo, refer to Appendix A of the ordinance, available here: https://www.water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency
4. Print this sheet and submit with Landscape Document Package for the Comprehensive Performance Compliance Pathway.

Date:	3/18/2024
Project Name:	Pinole Warehouse
Project Contact:	Brian Kilian
Project Contact Email:	brian.bk@bkglobal.net

Maximum Applied Water Allowance (MAWA)	**Project Type**	**ETo**	**ETAF**	**Special Landscape Area (SLA)**	**Total Landscape Area including SLA**	**MAWA (gal/yr)**	
	Non-residential	41.8	0.45	-	42,987	**501,323**	MAWA =[(ETo) * (0.62) *[(ETAF * LA) + ((1-ETAF) * SLA)].

Estimated Total Water Use (ETWU)	**ETo**	**(SF * PF) / IE**	**SLA**	**ETWU (gal/yr)**	
	41.8	15,921	-	**412,612**	ETWU =(ETo) * (0.62) *[(PF*SF/IE) + SLA]
	Difference between MAWA and ETWU			**88,711**	**Project meets water budget.**

ETWU Calculation (Regular landscape areas)	**Zone #**	**Description**	**Select Irrigation**	**Square Feet (SF)**	**Plant Factor (PF)**	**Irrigation Efficiency (IE)**	**(SF * PF) / IE**
	1	Shrubs	Drip	28,715	0.30	0.81	10,635
	2	Trees	Bubbler	2,000	0.30	0.81	741
	3	Bio-Retention	Drip	12,272	0.30	0.81	4,545
	4						
	Landscape area (not including SLA)			**42,987**			**15,921**

ETWU Calculation (Special Landscape Areas (SLA))	**Description**	**Square Feet (SF)**	**Plant Factor / Irrigation Efficiency (PF/IE)**	**(SF * PF) / IE**
	Edible planting area		1.0	-
	Multi-use and sports field turf area		1.0	-
	Area irrigated with recycled water		1.0	-
	Pool		1.0	-
	Total SLA	**0**		**0**

Total Landscape Area (including SLA) from ETWU Calculation	**42,987**

HYDRO-ZONE LAYOUT

N E S W

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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Phone: 925/372-5306

LANDSCAPE ARCHITECT BRIAN KILIAN 03/18/24 STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

TITLE OF PROJECT
PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: BK

THIS PLAN IS: FREL IM

SHEET NUMBER
L-5

TITLE OF DRAWING:
LANDSCAPE

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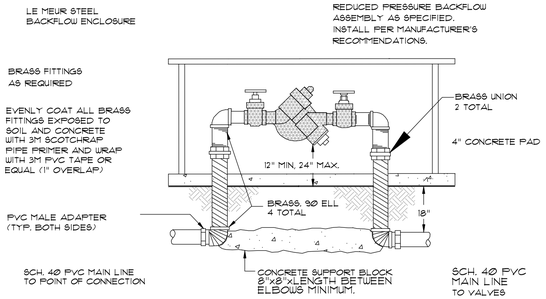
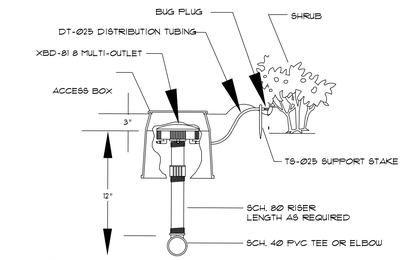
\\landscape1\Brian's Drawings\Pinole Warehouse\Revised Concept-March2024\PINOLE-HYDRO(R)-L5.dwg Mar 06, 2024 - 11:55am Administrator



BACKFLOW W/ CAGE DETAIL



NOTES:
1. INSTALL MULTI-OUTLET 3" BELOW FINISH GRADE.
2. SECURE END OF TUBING WITH RAINBIRD SUPPORT STAKE (TS-Ø25).
3. SPREAD EMITTERS EVENLY SPACED AROUND EDGE OF ROOTBALL. DO NOT CLUMP TOGETHER AT BASE OF PLANT.

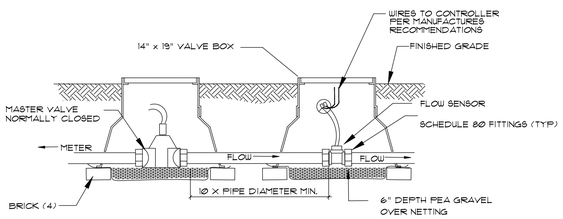
MULTI-DRIP DETAIL

IRRIGATION LEGEND

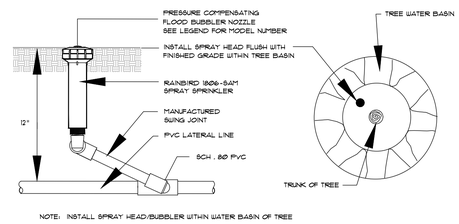
- RAIN BIRD 1806-PRS-SAM WITH 1402 PRESSURE COMPENSATING BUBBLER PERCIP. RATE .50 GPM / OPERATING PRESSURE 20-90 PSI
- RAINBIRD MULTI-FLOW EMITTER XBD-81 ON 1/2" SCH 80 RISER WITH SEB 6X ACCESS BOX FLOW 1 GPH / OPERATING PRESSURE 15 - 50 PSI
- RAINBIRD XCZ-100-PRB-LC ELECTRIC CONTROL ZONE KIT FLOW RATE .30 - 20 GPM
- QC — RAINBIRD QUICK COUPLING VALVE 3 RC
- PVC BALL VALVE - LINE SIZE
- WM — P.O.C. AT 1" WATER METER
- FEBCO 825Y 1" REDUCED PRESSURE BACKFLOW DEVICE
- MV FS — HUNTER IVC-101 NORMALLY CLOSED MASTER VALVE WITH HC-100 FLOW METER
- A — HUNTER HCC-800-SS WITH ICC-PED-SS PROGRAMMABLE IRRIGATION CONTROLLER PROVIDE WIFI CONNECTION
- 1 / 3/4" / 10 — STATION CONTROLLER NUMBER, VALVE SIZE, G.P.M.
- SCHEDULE 40 PVC MAIN LINE, 1½" SIZE
- SCHEDULE 40 PVC LATERAL LINE (ALL LATERAL LINES ARE 3/4" SIZE UNLESS NOTED OTHERWISE ON PLAN)
- PVC SLEEVE
- WIRE - #14 DIRECT BURIAL
- GLUE- WELD-ON 711, OR EQUAL
- PRIMER - WELD- ON P-70, OR EQUAL
- SPLICE KITS- 3M-DBY, OR EQUAL

P.O.C. AT NEW 1" WATER METER DESIGN ASSUMES A MINIMUM STATIC PRESSURE OF 65 PSI AND 35 GPM SAFE FLOW.

VERIFY IN WRITING TO OWNER PRIOR TO BEGINNING WORK.



FLOW SENSOR AND MASTER VALVE



NOTE: INSTALL SPRAY HEAD/BUBBLER WITHIN WATER BASIN OF TREE

POP-UP TREE BUBBLER DETAIL

THE CONTRACTOR IS CAUTIONED TO DEFEND THE HYDRAULICS OF THIS SYSTEM BY FOLLOWING THE PLANS AND SPECIFICATIONS CAREFULLY. PARTICULAR ATTENTION SHOULD BE GIVEN TO: OPERATING CONTROLLERS PROPERLY, OPERATING THE SYSTEM AFTER FLOW CONTROLS OR SECTION VALVES HAVE BEEN ADJUSTED TO DESIGNED OPERATING PRESSURE, AND FOLLOWING MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF ALL ITEMS. THE SIZING OF VALVES AND PIPES IS SPECIFIC TO THIS DESIGN AND LAYOUT. IF MODIFICATIONS ARE MADE IN THE FIELD, ALL VALVES AND PIPING MUST BE SIZED PROPERLY TO CONFORM WITH THE STANDARD GPM, AND VELOCITY REQUIREMENTS. CONTRACTOR MUST SUBMIT CALCULATIONS AND MODIFIED LAYOUT ON OVERLAY SHEET FOR WRITTEN APPROVAL PRIOR TO INSTALLING THE CHANGED ITEM(S).

IT IS INTENDED THAT THE PIPING LAYOUT IS DIAGRAMMATIC, ALTHOUGH THE SIZING IS SPECIFIC TO THE LAYOUT. PIPING SHALL BE ROUTED AROUND TREES, SHRUBS, ARCHITECTURAL FEATURES ETC. IN SUCH A MANNER AS TO AVOID DAMAGES TO PLANTINGS OR OTHER FEATURES. ANY PIPING SHOWN WITHIN PAVED AREAS OR WITHIN THE FOOTPRINT OF A HOUSE IS FOR DESIGN CLARITY ONLY, AND SHALL BE INSTALLED IN PLANTER AREAS WHEREVER POSSIBLE.

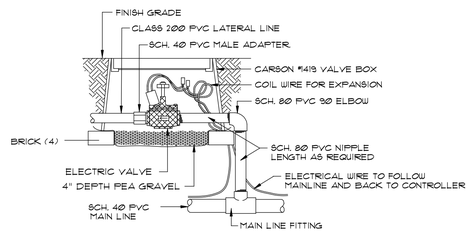
ALL MATERIAL IS SPECIFIC TO THIS DESIGN. THE IRRIGATION SYSTEM(S) HAVE BEEN DESIGNED ACCORDING TO THE OPERATIONAL CHARACTERISTICS OF THE SPECIFIED EQUIPMENT. IF ANY CHANGES OR SUBSTITUTIONS ARE MADE WITHOUT THE APPROVED WRITTEN CALCULATIONS, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND COSTS FOR THE RESULTS OF THOSE CHANGES.

SET ALL POP-UP SPRAY BODY FLUSH WITH FINISH GRADE.

SET ALL DRIP OUTLETS TWO INCHES (2") BELOW FINISH GRADE, OR ENCLOSED IN PLASTIC EMITTER BOXES AS SPECIFIED ON THE PLANS. PLACE END OT DISTRIBUTION TUBING EVENLY SPACED AROUND THE ROOTBALL. FOR HILLSIDE PLANTING, LOCATE AT LEAST ONE EMITTER ON THE UP-HILL SIDE OF THE PLANT. STAKE THE DISTRIBUTION TUBING EVERY TWO FEET (2') OR CLOSER IF NECESSARY WITH WIRE METAL STAKES TO INSURE SECURITY. TUBING SHALL ALSO BE BURIED 2" BELOW SOIL GRADE EXCEPT FOR THE FINAL 6", WHICH SHALL BE SECURED WITH A PLASTIC TUBING STAKE. THE END OF THE TUBING SHALL BE POINTED IN A DOWNWARD DIRECTION TO INSURE THAT THE WATER WILL DROP TO THE GROUND RATHER THAT RUN DOWN THE TUBING BACK TOWARDS THE OUTLET. CONTRACTOR SHALL SNAKE TUBING TO PREVENT RESTRICTION OF THE TUBING AND POSSIBLE DETACHMENT FROM THE OUTLET. NUMBER OF OUTLETS SHALL BE IN ACCORDANCE WITH THE PLANS AS SHOWN. ONE CIRCLE ON THE PLAN REPRESENTS ONE OUTLET ON A PVC RISER; TWO CIRCLES TOGETHER ON THE PLAN REPRESENT TWO OUTLETS ON A TEE FITTING ON A PVC RISER. FOLLOW THE GENERAL GUIDE SHOWN BELOW FOR THE NUMBER OF EMITTERS TO EACH PLANT. EMITTERS SHALL BE LOCATED WHERE THE ROOTBALL AND THE NATIVE SOIL MEET.

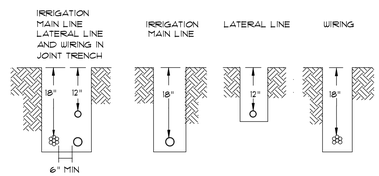
PLANT SIZE	EMITTERS
1 GALLON SHRUB	2 EMITTERS
5 GALLON SHRUB	2 - 3 EMITTERS

THE CONTRACTOR SHALL INCLUDE IN THE BID THE ADDITION OF ONE (1) SPRINKLER HEADS AND RISER ASSEMBLIES, AND FIVE (5) DRIP OUTLETS AND RISER ASSEMBLIES WITH TUBING TO ACCOMMODATE CHANGES IN THE FIELD NOT ANTICIPATED AT DESIGN PHASE, OR FOR CLOSER SPACING IF REQUIRED TO ACHIEVE BETTER COVERAGE. UNUSED IRRIGATION MATERIAL SHALL BE RETURNED TO THE OWNER FOR FUTURE MAINTENANCE AFTER THE INSTALLATION IS COMPLETED. CONTRACTOR SHALL DOCUMENT WHERE EXTRA MATERIAL HAS BEEN INSTALLED ON THE "AS-BUILT" PLANS.



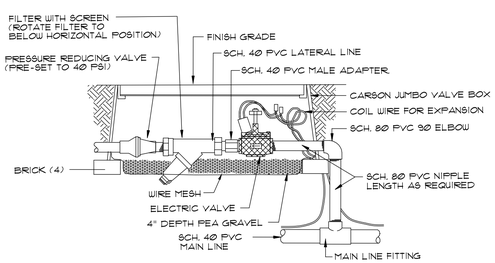
NOTES:
1. BUNDLE AND TAPE WIRE EVERY 10 FEET.
2. PROVIDE 24" EXPANSION LOOP AT EACH WIRE CONNECTION.
3. PROVIDE #3570 SCOTCHLOCK SEAL PACK, OR EQUAL AT ALL SPLICES.
4. PROVIDE A TOTAL OF 4 BRICKS UNDER THE VALVE BOX FOR SUPPORT.

REMOTE CONTROL VALVE DETAIL

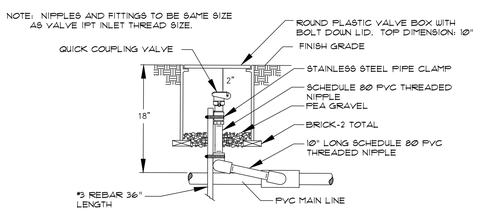


1. LAY IRRIGATION MAIN LINE ON FINE LAYER OF NATIVE SOIL. REMOVE ALL LARGE DIRT CLODS AND ROCKS AND COMPACT TRENCH TO 95 % OF ADJACENT UNDISTURBED SOIL .
2. IRRIGATION LINES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER' S RECOMMENDATIONS .
3. TAPE AND BUNDLE WIRE EVERY TEN FEET (10'). PROVIDE MINIMUM 6" SIDE CLEARANCE FROM MAINLINE.

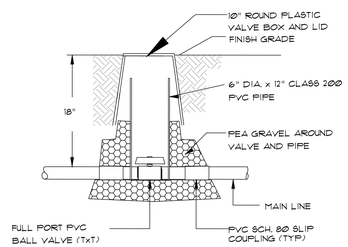
TRENCHING DETAIL



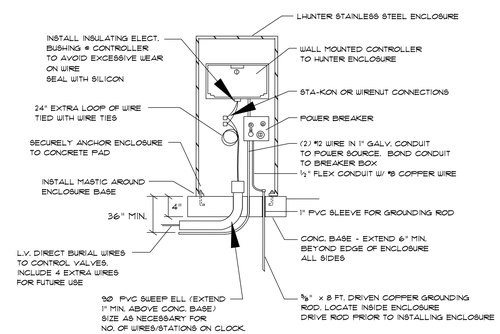
FILTER/PRES REG. DETAIL



QUICK COUPLING VALVE



BALL VALVE DETAIL



CONTROLLER DETAIL

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LANDSCAPE ARCHITECTS
1241 Pine Street
Martinez, California 94553
Phone: 925/372-5306

LANDSCAPE ARCHITECT — BRIAN K. KILIAN — 03/18/24 — STATE OF CALIFORNIA

REV	DATE	DESCRIPTION

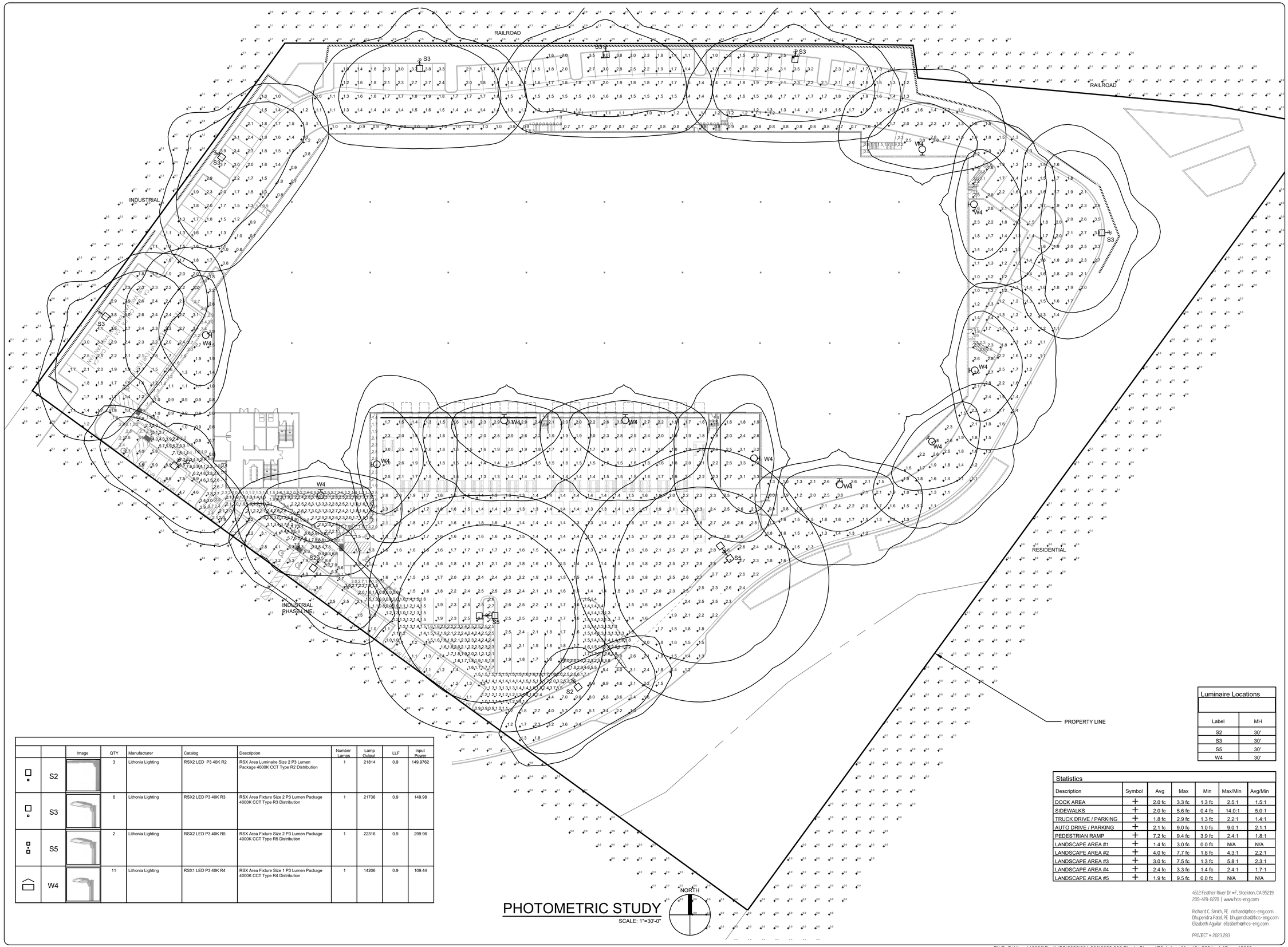
TITLE OF PROJECT: PINOLE WAREHOUSE
PINOLE, CALIFORNIA

DATE: 03/18/24
DRAWN BY: BK

THIS PLAN IS: PRELIM

SHEET NUMBER: L-6
TITLE OF DRAWING: LANDSCAPE

\\Landscape\Brian's Drawings\Pinole Warehouse\Revised Concept-March2024\PINOLE-ID(R)-L6.dwg Mar 06, 2024 - 11:57am Administrator



revisions	by
PLAN CHECK #1 2024/03/18	LM

HDO architects, planners
2950 camino diablo
suite 110
walnut creek, ca
94597
(925) 256-6042

REGISTERED PROFESSIONAL ENGINEER
BRIAN PATEL
No. 012571
Exp. 9-30-23
ELECTRICAL
STATE OF CALIFORNIA

PINOLE SHORES
FOR: PABLO PARK, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

		Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	S2		3	Lithonia Lighting	RSX2 LED P3 40K R2	RSX Area Luminaire Size 2 P3 Lumen Package 4000K CCT Type R2 Distribution	1	21814	0.9	149.9762
	S3		6	Lithonia Lighting	RSX2 LED P3 40K R3	RSX Area Fixture Size 2 P3 Lumen Package 4000K CCT Type R3 Distribution	1	21736	0.9	149.98
	S5		2	Lithonia Lighting	RSX2 LED P3 40K R5	RSX Area Fixture Size 2 P3 Lumen Package 4000K CCT Type R5 Distribution	1	22316	0.9	299.96
	W4		11	Lithonia Lighting	RSX1 LED P3 40K R4	RSX Area Fixture Size 1 P3 Lumen Package 4000K CCT Type R4 Distribution	1	14206	0.9	109.44

Luminaire Locations

Label	MH
S2	30'
S3	30'
S5	30'
W4	30'

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DOCK AREA	+	2.0 fc	3.3 fc	1.3 fc	2.5:1	1.5:1
SIDEWALKS	+	2.0 fc	5.6 fc	0.4 fc	14.0:1	5.0:1
TRUCK DRIVE / PARKING	+	1.8 fc	2.9 fc	1.3 fc	2.2:1	1.4:1
AUTO DRIVE / PARKING	+	2.1 fc	9.0 fc	1.0 fc	9.0:1	2.1:1
PEDESTRIAN RAMP	+	7.2 fc	9.4 fc	3.9 fc	2.4:1	1.8:1
LANDSCAPE AREA #1	+	1.4 fc	3.0 fc	0.0 fc	N/A	N/A
LANDSCAPE AREA #2	+	4.0 fc	7.7 fc	1.8 fc	4.3:1	2.2:1
LANDSCAPE AREA #3	+	3.0 fc	7.5 fc	1.3 fc	5.8:1	2.3:1
LANDSCAPE AREA #4	+	2.4 fc	3.3 fc	1.4 fc	2.4:1	1.7:1
LANDSCAPE AREA #5	+	1.9 fc	9.5 fc	0.0 fc	N/A	N/A

PHOTOMETRIC STUDY
SCALE: 1"=30'-0"

4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

Richard C. Smith, PE richard@hcs-eng.com
Bhupendra Patel, PE bhupendra@hcs-eng.com
Elizabeth Aguilar elizabeth@hcs-eng.com

PROJECT # 2023.283

drawing
PHOTOMETRIC STUDY

drawn LM
checked BP
date 11/22/2023
scale AS SHOWN
job no. 2309
sheet E0.1

RSX1 LED
Area Luminaire

Catalog Number

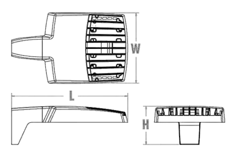
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

ds design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [2] HVOLT (347V-480V) [3] XVOLT (277V-480V) [4] (use specific voltage for options as noted) 120 [5] 277 [5] 208 [5] 347 [5] 240 [5] 480 [5]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6] WBA Wall bracket [1] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [6] AARP Adjustable tilt arm round pole mounting [6] AAWB Adjustable tilt arm with wall bracket [6] AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

Options		Finish
Shipped Installed HS House-side shield [7] PE Photocontrol, button style [8,9] PER7 Seven-wire twist-lock receptacle only (no controls) [9,10,17] SF Single fuse (120, 277, 347) [5] DF Double fuse (208, 240, 480) [5] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [9] DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [9]	**Shipped Installed** *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,12,13,14] BAA Buy America(n) Act Compliant CCE Coastal Construction [15] *Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted. **Shipped Separately (requires some field assembly)** EGS External glare shield [7] EGFV External glare full visor (360° around light aperture) [7] BS Bird spikes [16]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [17]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [17]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [17]
DSHORT SBK U	Shorting cap [17]

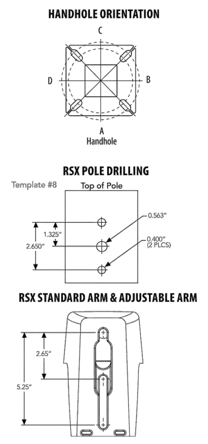
NOTES
1 Any Type 5 distribution, is not available with WBA.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4 XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Maximum tilt is 90° above horizontal.
7 It may be ordered as an accessory.
8 Requires MVOLT or 347V.
9 Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10 Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12 Must be ordered with PIRHN.
13 Requires MVOLT or HVOLT.
14 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
15 CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWSC, EGS, EGFV and BS.
16 Must be ordered with fixture for factory pre-drilling.
17 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields

House Side Shield — External Glare Shield — External 360 Full Visor

Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2-7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Mounting Type	Tilt	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

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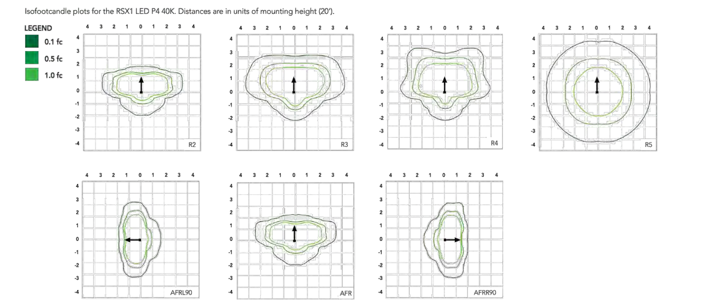
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A) 120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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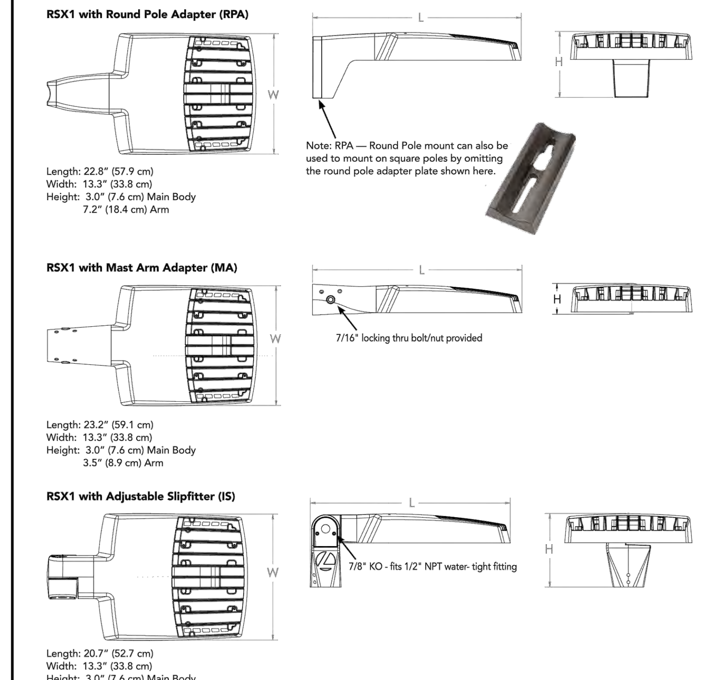
Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs



RSX1 with Round Pole Adapter (RPA): Length: 22.8" (57.9 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 7.2" (18.4 cm) Arm

RSX1 with Mast Arm Adapter (MA): Length: 23.2" (59.1 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 3.5" (8.9 cm) Arm

RSX1 with Adjustable Slipfitter (IS): Length: 20.7" (52.7 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 7.6" (19.3 cm) Arm

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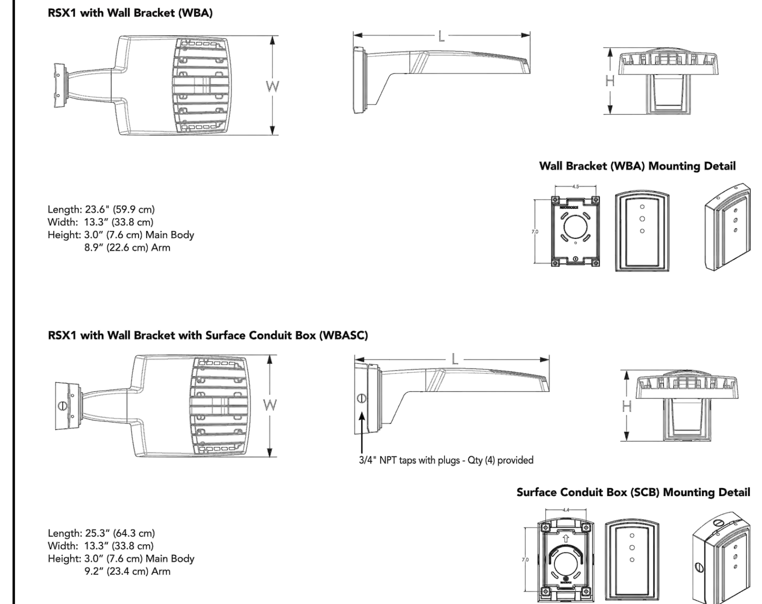
Dimensions



RSX1 with Wall Bracket (WBA): Length: 23.6" (59.9 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 8.9" (22.6 cm) Arm

RSX1 with Wall Bracket with Surface Conduit Box (WBASC): Length: 25.3" (64.3 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 9.2" (23.4 cm) Arm

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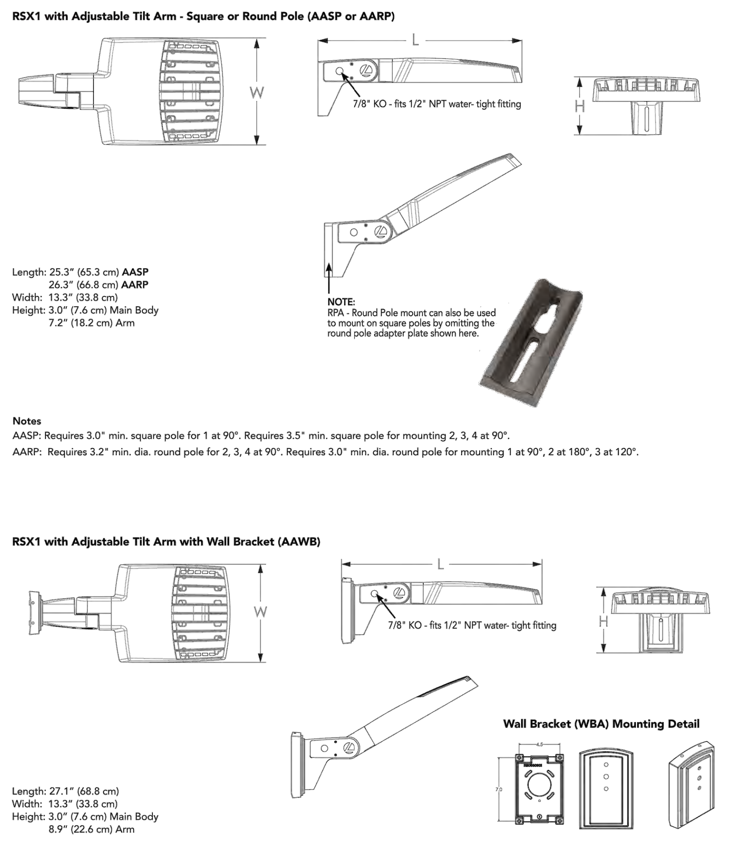
Dimensions



RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP): Length: 25.3" (65.3 cm) **AASP**, 26.3" (66.8 cm) **AARP**, Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 7.2" (18.2 cm) Arm

Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB): Length: 27.1" (68.8 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 8.9" (22.6 cm) Arm

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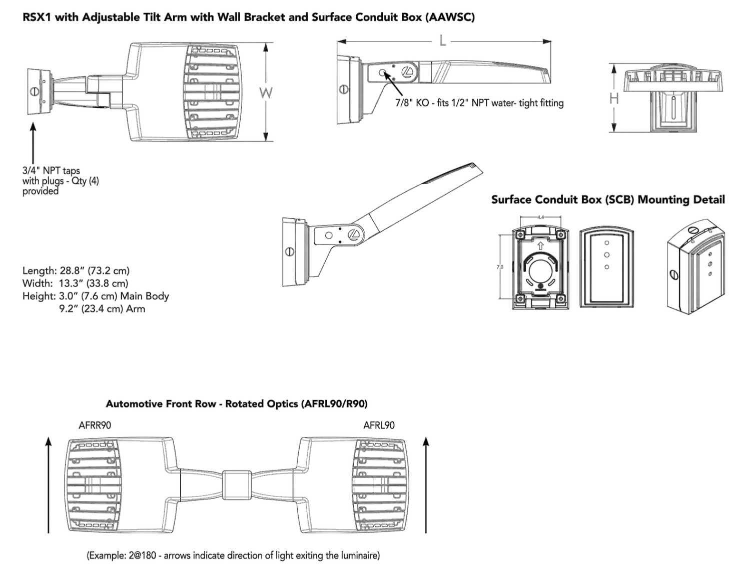
Dimensions



Length: 28.8" (73.2 cm), Width: 13.3" (33.8 cm), Height: 3.0" (7.6 cm) Main Body, 9.2" (23.4 cm) Arm

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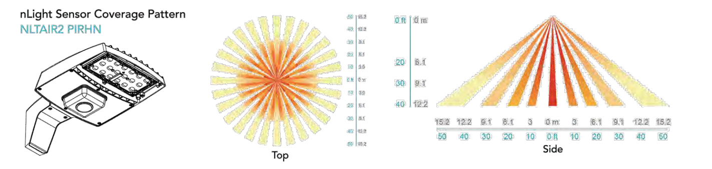
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern
NLTAIR2 PIRHN



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

COASTAL CONSTRUCTION (CCE)
ptional corrosion resistant construction is engineered with added corrosion rotection in materials and/or pre-treatment of base material under superYurable paint. Provides additional corrosion protection for applications nearÜoastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with cribe rating of 10. Additional lead-times apply.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and AFRL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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RSX2 LED
Area Luminaire

Catalog Number

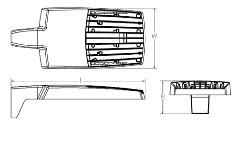
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight (SPA mount):	30.0 lbs (13.6 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

ds design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [2] HVOLT (347V-480V) [3] XVOLT (277V-480V) [4] (use specific voltage for options as noted) 120 [5] 277 [5] 208 [5] 347 [5] 240 [5] 480 [5]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6] WBA Wall bracket [1] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [6] AARP Adjustable tilt arm round pole mounting [6] AAWB Adjustable tilt arm with wall bracket [6] AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

Options		Finish
Shipped Installed HS House-side shield [7] PE Photocontrol, button style [8,9] PER7 Seven-wire twist-lock receptacle only (no controls) [9,10,11] SF Single fuse (120, 277, 347) [5] DF Double fuse (208, 240, 480) [5] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [9] DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [9] DS Dual switching [9,12]	**Shipped Installed** *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,13,14,15] BAA Buy America(n) Act Compliant CCE Coastal Construction [16] *Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted. **Shipped Separately (requires some field assembly)** EGS External glare shield [7] EGFV External glare full visor (360° around light aperture) [7] BS Bird spikes [17]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [18]
DSHORT SBK U	Shorting cap [18]

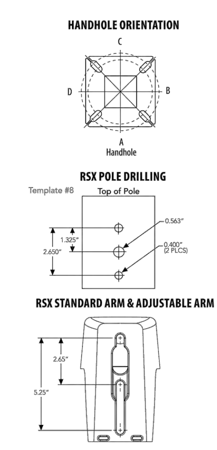
NOTES
1 Any Type 5 distribution, is not available with WBA.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4 XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Maximum tilt is 90° above horizontal.
7 It may be ordered as an accessory.
8 Requires MVOLT or 347V.
9 Two or more of the following options cannot be combined including PE, DMG, PER7, FAO, DS and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10 Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P5 and P6.
13 Must be ordered with PIRHN.
14 Requires MVOLT or HVOLT.
15 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
16 CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWSC, EGS, EGFV and BS.
17 Must be ordered with fixture for factory pre-drilling.
18 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields

House Side Shield — External Glare Shield — External 360 Full Visor

Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2-7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Mounting Type	Tilt	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adaptor		0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84
MA - Mast Arm Adaptor		0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41

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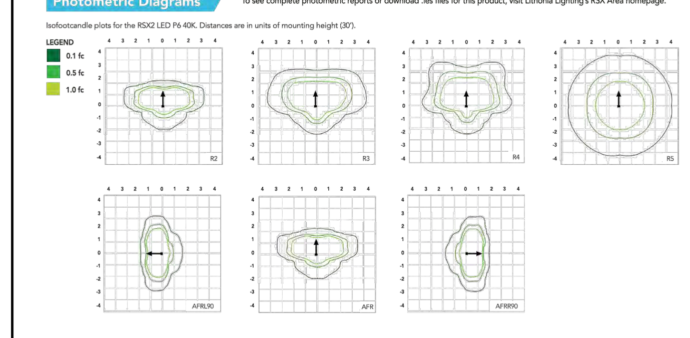
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A) 120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155
		AFRR90	10,122	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154
		AFRL90	10,164	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	151	17,263	2	0	2	151
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R3S	16,075	2	0	2	141	17,661	2	0	2	155	17,661	2	0	2	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRR90	15,841	3	0	3	139	17,404	4	0	3	153	17,404	4	0	3	153
		AFRL90	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153
P3	147W	R2	19,855	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRR90	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147
		AFRL90	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147
P4	187W	R2	22,836	3	0	2	120	25,090	3	0	2	132	25,090	3	0	2	132
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R3S	23,363	3	0	3	123	25,668	3	0	3	135	25,668	3	0	3	135
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R4S	22,243	3	0	3	119	25,059	3	0	3	134	25,059	3	0	3	134
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
		AFRR90	23,023	4	0	3	121	25,295	4	0	3	133	25,295	4	0	3	133
		AFRL90	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134
P5	210W	R2	26,141	3	0	2	122	28,721	3	0	2	135	28,721	3	0	2	135
		R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136
		R3S	26,744	3	0	3	125	29,383	3	0	4	138	29,383	3	0	4	138
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138
		R4S	25,462	3	0	3	121	27,974	3	0	3	133	27,974	3	0	3	133
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137
		AFRR90	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136
		AFRL90	26,465	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136
P6	244W	R2	27,646	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123
		R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131
		AFR	27,608	3	0	2	112	30,332	3	0	2	123	30,332	3	0	2	123
		AFRR90	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124
		AFRL90	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125

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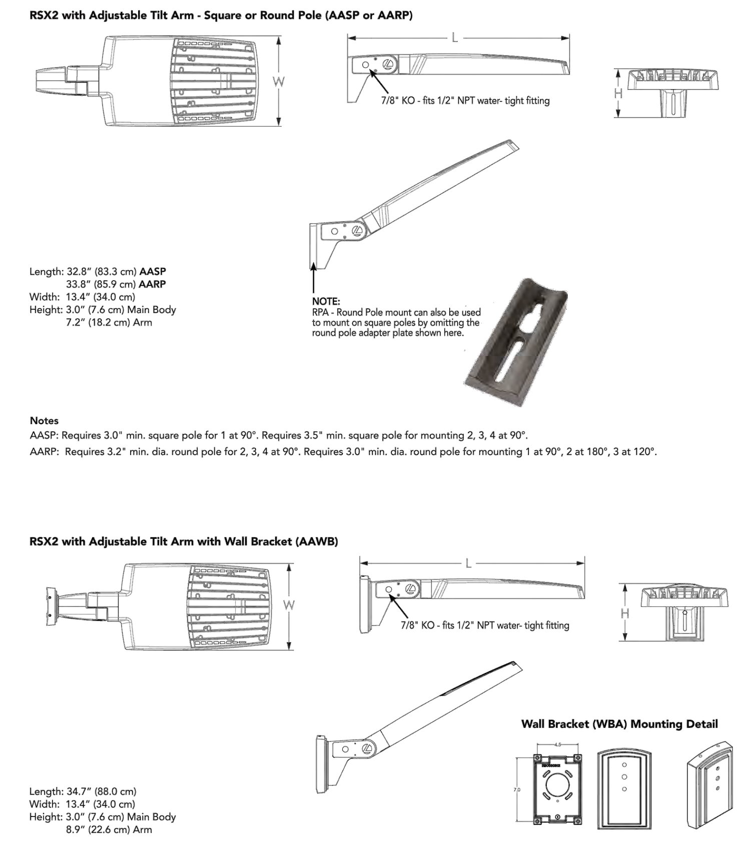
Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs



RSX2 with Round Pole Adapter (RPA): Length: 30.3" (77.0 cm), Width: 13.4" (34.0 cm), Height: 3.0" (7.6 cm) Main Body, 7.2" (18.3 cm) Arm

RSX2 with Mast Arm Adapter (MA): Length: 30.6" (77.7 cm), Width: 13.4" (34.0 cm), Height: 3.0" (7.6 cm) Main Body, 3.5" (8.9 cm) Arm

RSX2 with Adjustable Slipfitter (IS): Length: 28.3" (71.9 cm), Width: 13.4" (34.0 cm), Height: 3.0" (7.6 cm) Main Body, 7.6" (19.3 cm) Arm

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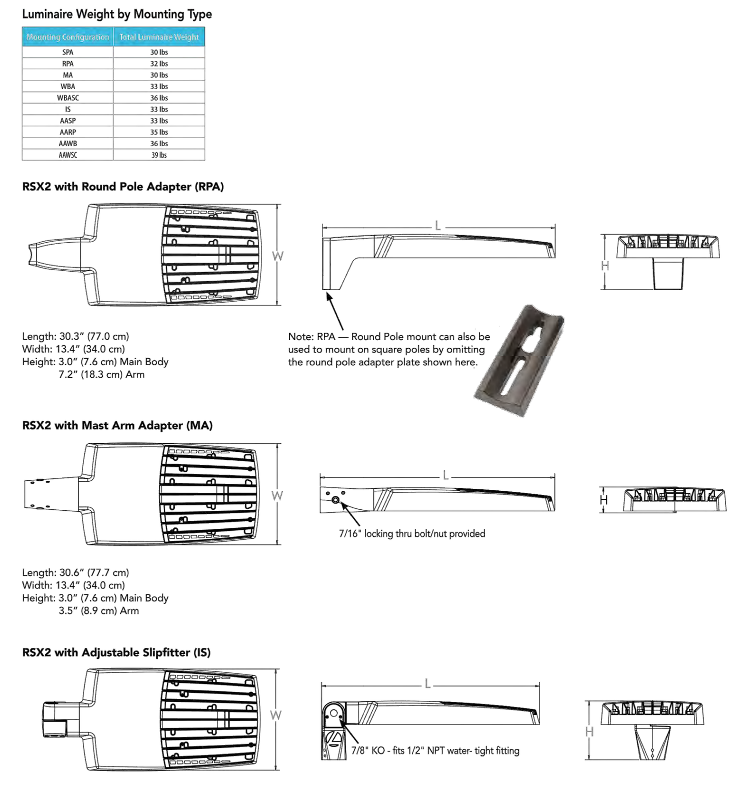
Dimensions



RSX2 with Wall Bracket (WBA): Length: 31.2" (79.2 cm), Width: 13.4" (41.7 cm), Height: 3.0" (7.6 cm) Main Body, 8.9" (22.6 cm) Arm

RSX2 with Wall Bracket with Surface Conduit Box (WBASC): Length: 32.8" (83.3 cm), Width: 13.4" (41.7 cm), Height: 3.0" (7.6 cm) Main Body, 9.2" (23.4 cm) Arm

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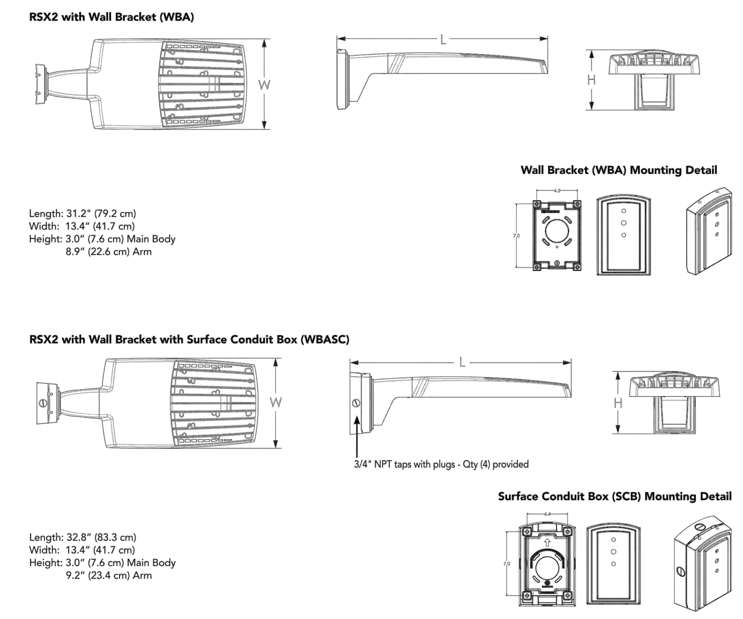
Dimensions



RSX2 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP): Length: 32.8" (83.3 cm) **AASP**, 33.8" (85.9 cm) **AARP**, Width: 13.4" (34.0 cm), Height: 3.0" (7.6 cm) Main Body, 7.2" (18.2 cm) Arm

Notes
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB): Length: 34.7" (88.0 cm), Width: 13.4" (34.0 cm), Height: 3.0" (7.6 cm) Main Body, 8.9" (22.6 cm) Arm

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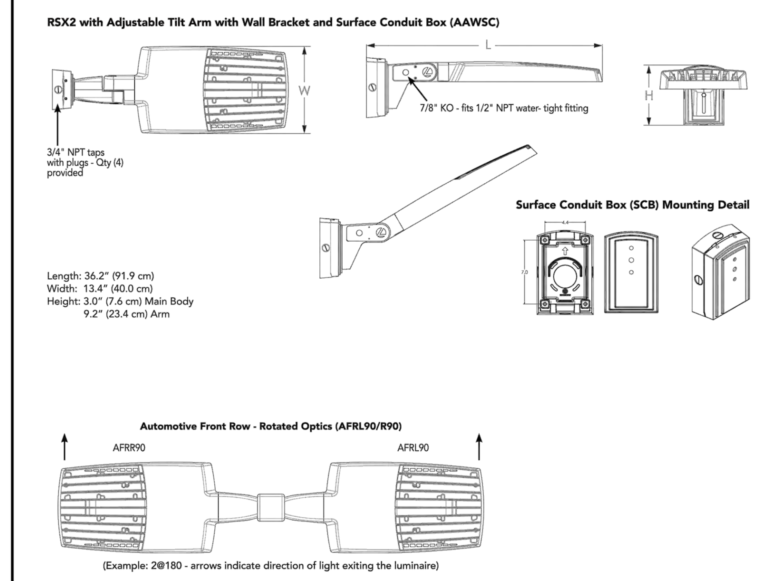
Dimensions



Length: 36.2" (91.9 cm), Width: 13.4" (40.0 cm), Height: 3.0" (7.6 cm) Main Body, 9.2" (23.4 cm) Arm

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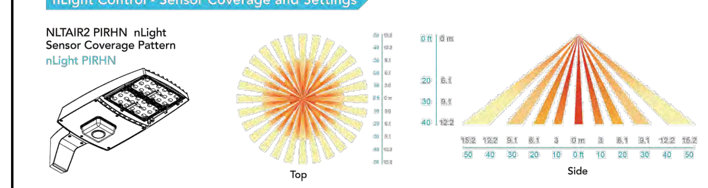
nLight Control - Sensor Coverage and Settings

NLTAIR2 PIRHN nLight Sensor Coverage Pattern
nLight PIRHN



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION AND DESIGN
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFRR90 and AFRL90.

COASTAL CONSTRUCTION (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times apply.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. US Patent No. D882, 146S

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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REGISTERED PROFESSIONAL ENGINEER BHUPENDRA B. PATEL No. 012571 Exp. 9-30-23 ELECTRICAL STATE OF CALIFORNIA

PINOLE SHORES
FOR: PABLO PARK, LLC
PINOLE , CALIFORNIA
APN 402-230-015, 016, 017, 018 & 020

drawing
LIGHTING SPEC. SHEETS

drawn LM
checked BP
date 11/22/2023
scale AS SHOWN
job no. 2309
sheet
1
E0.2

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FILE: C:\Users\12093\Box\HCS\2023\201-300\2023.283 Pinole Shores\E0.2.dwg Mar 18, 2024 - 4:17pm 12093

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

FEATURES & SPECIFICATIONS

INTENDED USE — **These specifications are for USA standards only.** Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[1]	Mounting[2]	Options	Finish
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. **Ex:** 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper[4] HAxy Horizontal arm bracket (1 fixture)[5,6] FDLxy Festoon outlet less electrical[5,7] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,8] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[9] FBCSTL2PC 2 Piece steel base cover (standard is plastic)[9] IC Interior coating[10] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[11] VM/original order# Match pole to prior order or project[12]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[13] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28/T20.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5'8", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy.
   Example: HA20BD.
7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
8. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
9. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
10. Provides enhanced corrosion resistance. N/A with GALV.
11. Use when mill certifications are required.
12. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
    Example: VM/010-36784
13. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

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TECHNICAL INFORMATION — EPA (ft^2) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust 80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	Approximate ship weight (lbs.)
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft^2) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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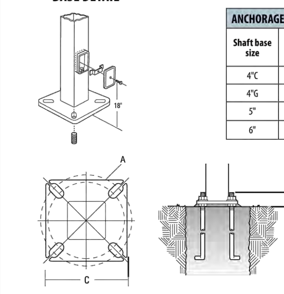
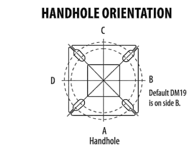
BASE DETAIL



ANCHORAGE AND TEMPLATE INFORMATION

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:
- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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POLE SPEC. SHEETS

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PROJECT # 2023.283

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scale	AS SHOWN
job no.	2309
sheet	E0.3

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Pinole Shores Project

Transportation Demand Management Plan

Prepared for:
M-Group and City of Pinole

December 2022

OK22-0492

FEHR PEERS

Table of Contents

1. Introduction 1

City of Pinole Requirements 1

Project Description 1

Project Trip Generation 3

Project Location and Setting 3

Pedestrian Access and Circulation 3

Bicycle Access and Circulation 3

Transit 4

Commute Mode Splits in the Project Area 7

2. Transportation Demand Management Measures 8

TDM Goals and Objectives 8

Roles and Responsibilities 8

Required TDM Elements 9

Encouraged TDM Elements 9

TDM Program Effectiveness 9

3. Monitoring and Reporting 13

Annual Employee Commute Survey 13

Annual TDM Summary Report 13

Violations 14

No Expiration of TDM Plan or Programs 14

Appendices

Appendix A: Sample Commute Survey

List of Figures

Figure 1 – Project Location 2
Figure 2 – Existing and Proposed Bicycle Network 5
Figure 3 – Existing Transit Facilities 6

List of Tables

Table 1: Project Automobile Trip Generation 3
Table 2: Worker Commute Mode Split 7
Table 3: Required TDM Measures 10
Table 4: Encouraged TDM Measures 12

1. Introduction

The proposed Pinole Shores Project is required to prepare a Transportation Demand Management (TDM) Plan consistent with the City of Pinole's General Plan Policy CE.6.2. This report provides an overview of the City's requirements, a description of the proposed project, and existing available transportation modes at the site. This is followed by a description of required and encouraged TDM measures specifically tailored for the project based on the project's location, available travel modes, and the operating conditions at the project. The report concludes by presenting the monitoring and reporting aspects for the TDM Plan.

City of Pinole Requirements

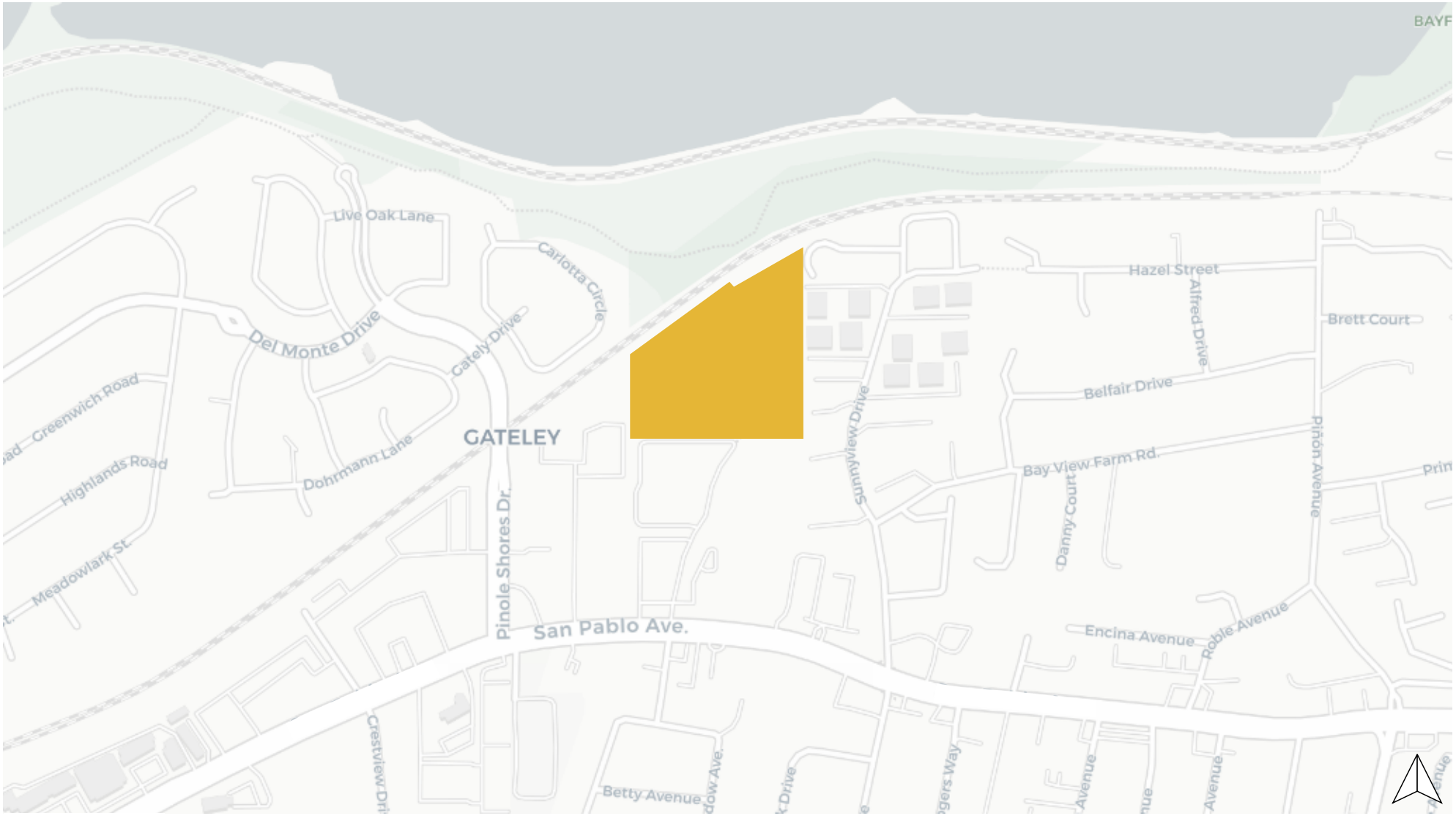
Policy CE.6.2 of the Pinole General Plan (adopted in 2010) requires implementation of "transportation demand management strategies in conjunction with land uses in order to prevent future traffic congestion in the city," and outlines six actions:

> **Action CE.6.2.1**: Coordinate with ride-sharing programs to provide up-to-date lists of potential riders and to educate the public on commuting options.
>
> **Action CE.6.2.2**: Encourage the development of employer-funded vanpool and shuttle bus services to new employment centers.
>
> **Action CE.6.2.3**: Encourage employer provision of information on alternative modes of transit.
>
> **Action CE.6.2.4**: Encourage employers to offer flextime arrangements to their employees in order to reduce the percentage of trips made during peak hours.
>
> **Action CE.6.2.5**: Work with schools to encourage carpooling and a flexible class schedule in order to reduce the percentage of trips made during peak hours.
>
> **Action CE.6.2.6**: Establish and apply minimum carpool requirements for all nonresidential developments.

Project Description

Figure 1 shows the location of the project, which is located at 830 San Pablo Avenue in the City of Pinole and is currently a 7.4-acre vacant lot. The project would provide approximately 117,940 square feet of space in two buildings (37,480 square feet in Building 1 and 80,460 square feet in Building 2). Although the exact use is not yet determined, it is expected to be warehouse and/or research and development (R&D). The project site is about 700 feet north of San Pablo Avenue.

The project would provide 139 passenger vehicle parking spaces and 9 loading docks (2 loading docks in Building 1 and 7 loading docks in Building 2). Access to the site would be provided through one existing driveway on San Pablo Avenue which is shared with other uses located between the project site and San Pablo Avenue. The driveway is located opposite of Meadow Avenue with all movements allowed at the intersection and stop signs on the minor northbound and southbound approaches.



Project Site

Figure 1

Project Location

Project Trip Generation

Table 1 summarizes the daily, and AM and PM peak hour trip generation for the project, assuming the highest trip generating use (R&D) expected at the site. The project is estimated to generate about 1,310 daily, 121 AM peak hour, and 116 PM peak hour passenger vehicle trips on a typical weekday.

Table 1: Project Automobile Trip Generation

Land Use	Size[1]	Daily Trips	Weekday AM Peak Hour			Weekday PM Peak Hour		
			In	Out	Total	In	Out	Total
Research & Development[2]	117.9 KSF	1,310	99	22	121	18	98	116

Notes:
1. KSF = 1,000 square feet.
2. ITE *Trip Generation Manual, Eleventh Edition* land use category 760 (Research and Development Center) in General Urban/ Suburban Setting:
   Daily: T = 11.08 * X
   AM Peak Hour: T = 1.03 * X (82% in, 18% out)
   PM Peak Hour: T = 0.98 * X (16% in, 84% out)

Source: Fehr & Peers, 2022.

Project Location and Setting

Pedestrian, bicycle, and transit facilities in the project vicinity are described below.

Pedestrian Access and Circulation

Walk Score is a measure of the walkability of any address based on distance to amenities within a 5 to 30-minute walk, and other metrics such as block length and intersection density. The project site has a Walk Score of 35/100[1], meaning most trips from this location require a car. The project is expected to generate some pedestrian trips given its proximity to San Pablo Avenue. However, the location of the project site behind three existing buildings and the winding nature of the ADA-accessible path around them could discourage walking between the project site and San Pablo Avenue.

Sidewalks are present on both sides of San Pablo Avenue and all other streets near the project site. A marked uncontrolled crosswalk across San Pablo Avenue at the intersection with the site's access driveway provides pedestrian access across San Pablo Avenue.

Bicycle Access and Circulation

Bike Score measures if an area is good for biking considering the availability of bike infrastructure, terrain, destinations, street connectivity, and number of bike commuters. The project site has a Bike Score of

[1] Walkscore.com, 830 San Pablo Avenue, Pinole, CA 94564, October 2022 (https://www.walkscore.com/methodology.shtml)

32/100[2], meaning that the area is not very bikeable and there exists minimal bike infrastructure in the immediate area.

Figure 2 shows existing and proposed bicycle facilities in the vicinity of the project. Existing bicycle facilities include:

- The San Francisco Bay Trail north of the BNSF railroad tracks north of the project site, accessible via Pinole Shores Drive, about 550 feet west of the project site
- A Class III bicycle route on Pinole Shores Drive between San Pablo Avenue and the San Francisco Bay Trail

The Three Corridors Specific Plan (City of Pinole, adopted in 2010 and updated in 2019), consistent with the *Contra Costa Countywide Bicycle and Pedestrian Plan* (Contra Costa Transportation Authority, 2019) proposes the following near the project site:

- Class II bicycle lanes on San Pablo Avenue

It is expected that most cyclists would use San Pablo Avenue and/or the Bay Trail to access the site.

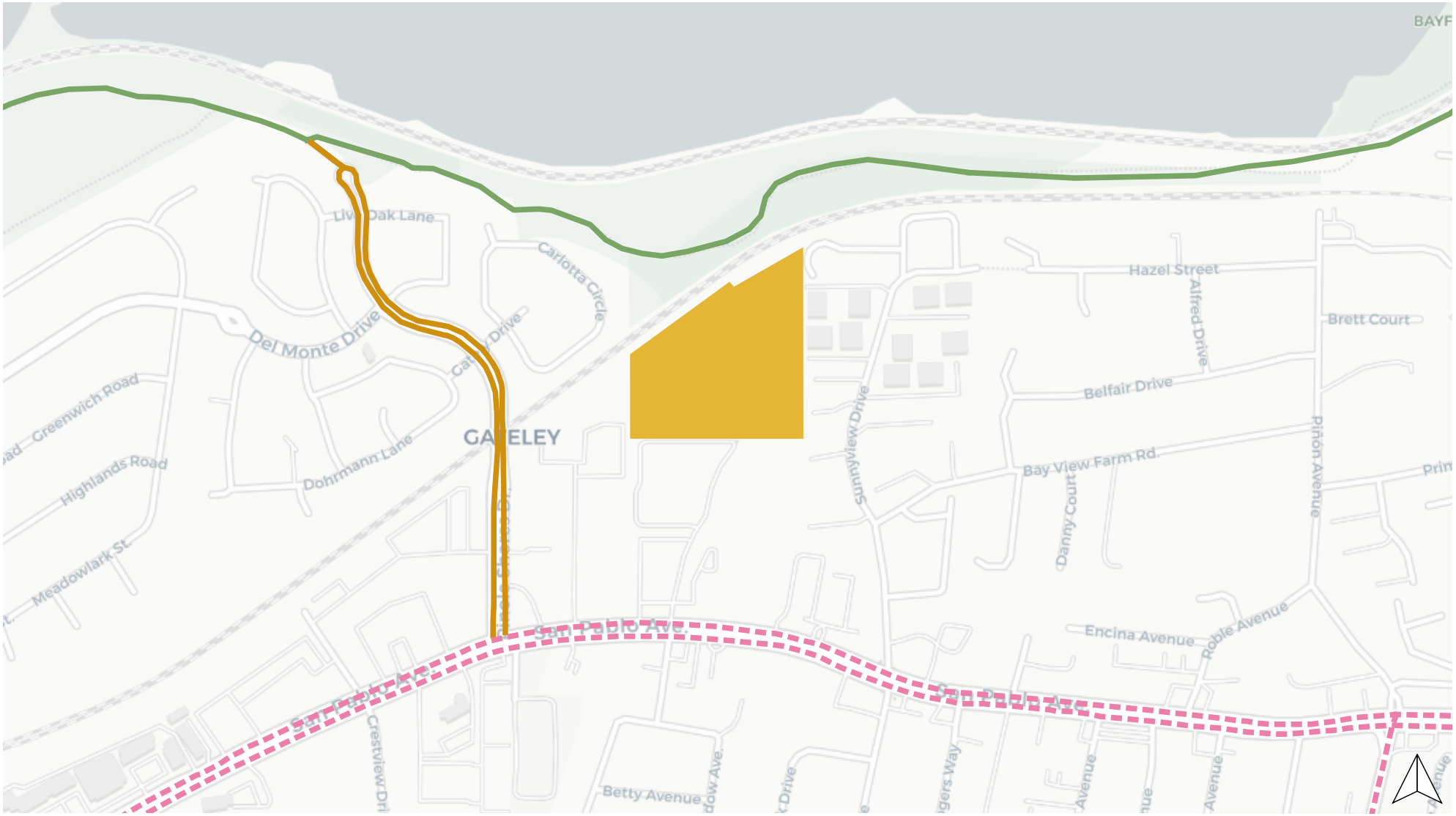
Transit

Existing transit service in the project area is shown on **Figure 3** and described below.

WestCAT is the local bus service provided in western Contra Costa County, including Pinole. The bus service shown on **Figure 3** represents the current service, as of Fall 2022, in the study area. Due to the COVID-19 pandemic, WestCAT has reduced service, including eliminating lines and reducing service frequencies.

Routes C3 and JL/JR operate along San Pablo Avenue with connections to Contra Costa College, Hercules Transit Center, and the El Cerrito del Norte BART station with combined weekday headways of 15 minutes during the weekday peak commute periods. Prior to the pandemic, WestCAT also operated Route 17 along San Pablo Avenue that connected the project with the Richmond Parkway Transit Center. Prior to the pandemic, all bus routes together operated at combined headways of 10 minutes during the weekday peak commute periods. The nearest existing eastbound and westbound Route C3 and JL/JR bus stops to the project site are on San Pablo Avenue at the far side of the intersection with Meadow Avenue and the access driveway to the site. Neither stop provides any amenities, such as a shelter or bench.

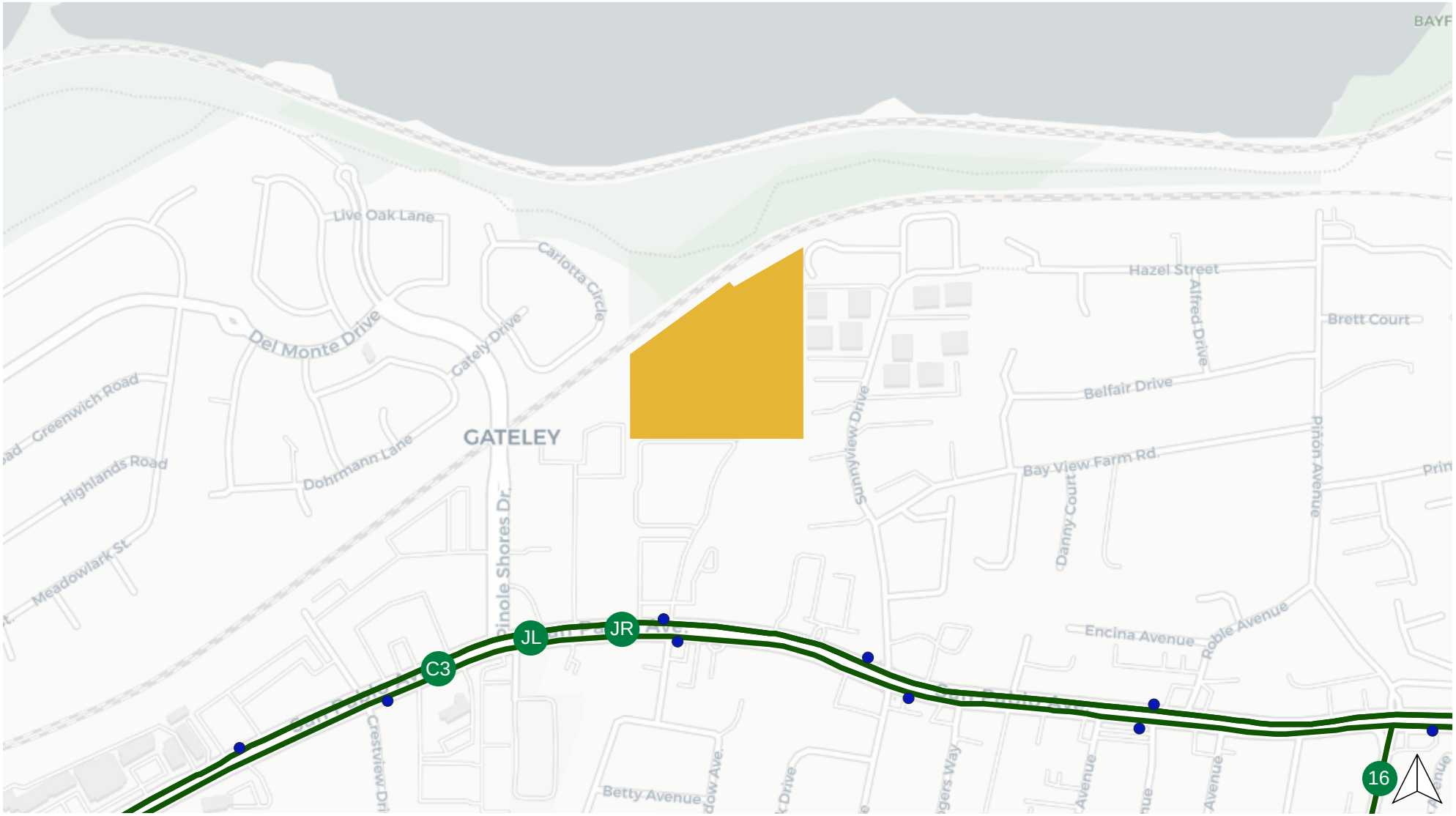
[2] Walkscore.com, 830 San Pablo Avenue, Pinole, CA 94564, October 2022 (https://www.walkscore.com/methodology.shtml)



Project Site | Existing — Class I Bicycle Path | Existing — Class III Bicycle Route | Proposed — Class II Bicycle Lane

Figure 2

Existing and Proposed Bicycle Network



Project Site

WestCAT Service

Transit Stops

Figure 3

Existing Transit Facilities

Commute Mode Splits in the Project Area

Table 2 summarizes the commute mode splits for workers in the project census tract. Based on the US Census data, about 78 percent of the workers in the area drive alone and about 11 percent carpool to and from work. About 11 percent of the workers in the project census tract use non-automobile modes to travel to and from work, which is consistent with the level of pedestrian and bicycle infrastructure, and the transit service in the project vicinity described above.

Table 1: Worker Commute Mode Split

Travel Mode	Percent Mode Split
Drove Alone	78%
Carpool	11%
Walk	3%
Bike	1%
Transit	6%
Other	1%
Total	**100%**

Source: Census Transportation Planning Products, U.S. Census Bureau, American Community Survey 2012-2016 Five-Year Estimates, Census tract 3591.02, Contra Costa County, California, summarized by Fehr & Peers, 2022.

2. Transportation Demand Management Measures

The TDM Plan for the Pinole Shores project was developed to meet the specific needs of the project, considering the logistical resources, challenges, and opportunities of the site. The TDM measures provided in this plan identify elements and actions that commit the project to their implementation.

This chapter presents the goals and objectives of the TDM Plan and presents details on the required and encouraged measures for the project.

TDM Goals and Objectives

The primary goal of TDM programs is to reduce the number of drive-alone trips generated by new developments, by shifting a proportion of trips to more sustainable modes, such as walking, biking, transit, or carpooling. This, in turn, helps to alleviate traffic congestion, reduce vehicle miles traveled (VMT) which results in reduced greenhouse gas emissions and other air pollution, and reduce demand for parking. This TDM Plan is designed to reduce single-occupant vehicle (SOV) trips generated by the project.

Because of the success of many individual TDM measures depends on operating characteristics of the project site such as hours of operations, or other factors, such as where employees live, whether they need to combine the work commute with dropping off or picking up children from school or day care, and many other personal factors, it is difficult to know in advance which non-SOV mode will be most attractive to any specific individual or which TDM measure is most likely to encourage them to try it. The Employee Survey, described in Chapter 3, will solicit feedback on employees' perceptions of obstacles to using a non-SOV mode and what additional measures would be most effective in achieving the project's goal.

Roles and Responsibilities

A successful TDM Plan requires a combination of supportive site design elements, programming, and incentives to encourage employees to shift to non-SOV modes for commuting to work. Thus, the TDM strategies included in this plan include both one-time physical infrastructure improvements as well as ongoing operational strategies. Physical improvements are anticipated to have a one-time capital cost with some level of ongoing maintenance for certain measures. Operational strategies provide ongoing incentives and support for the use of non-SOV transportation modes. These TDM measures have monthly or annual costs and will require ongoing management.

Required TDM Elements

Table 3 summarizes the required TDM measures for the project, provides a description of each measure, presents the estimated costs of implementing the measure, and estimates the effectiveness of the measure in reducing the SOV trips generated by the project. The infrastructure improvement measures (measures 1 through 5) will be implemented by the project prior to the occupancy of the project buildings. The other operational measures (measures 6 through 14) will be implemented after the buildings are occupied and will be on-going.

Encouraged TDM Elements

Table 4 summarizes the TDM measures that the project is encouraged to implement. Most of these measures cannot be implemented at this time or may not be effective in reducing SOV trips at this time. For example, depending on the start and end time of work shifts at the site, providing transit subsidies (measure 19) could attract more employees to utilize the frequent transit options along San Pablo Avenue.

TDM Program Effectiveness

The effectiveness of the measures in Tables 3 and 4 is primarily based on research compiled in *Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity,* California Air Pollution Control Officers Association [CAPCOA], December 2021). This report is a resource for local agencies to quantify the benefit, in terms of reduced VMT, of implementing various TDM strategies. Although the focus of the CAPCOA research is reductions to VMT, the research used to generate the reductions also indicates vehicle trip reductions are applicable as well. For the purposes of this analysis the reduction in SOV is assumed to equal the VMT reduction.

It is estimated that the required TDM measures presented in Tables 3 and 4 would reduce the SOV trips generated by the project by about 5 to 10 percent.

Table 2: Required TDM Measures

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
1. Pedestrian Connections	Improve walkability and pedestrian access between the project site and San Pablo Avenue. Consider providing a more direct pedestrian path between the project site and San Pablo Avenue than the current circuitous pedestrian path through the existing parking facilities and loading docks. Another option is aligning the crosswalk across the project access driveway on San Pablo Avenue with the sidewalks on both sides of the driveway.	$$$-$$$$		Low
2. Bus Shelter	Coordinate with the City of Pinole and WestCAT to explore the feasibility and if found feasible, install bus shelters and/or other amenities at the bus stops in both directions on San Pablo Avenue.	$$-$$$		Low
3. Bicycle Parking – Long-term and Short-term	Provide long-term and short-term bicycle storages for commuters who travel by bike.	$$		Low
4. Bicycle Repair Fixit Station	Provide at least one fixit station within the project site which will provide the tools necessary to perform basic bicycle repairs and maintenance.	$		Low
5. Showers and Locker Room	Provide at least one shower per gender and six lockers per shower for each building.	$$		Low
6. Remote Work	Allow employees who do not have to physically be present at the project site to complete their tasks to work remotely at least one day per week		$	Medium
7. Carpool/Vanpool Parking	Reserve preferred parking spaces for carpools and vanpools.	$		Low
8. Carpool Matching Efforts and Promotions	Encourage employees to sign-up for 511 Rideshare or other similar programs that provide employees with a computerized list of other commuters near their employment and residential ZIP code, along with the closest cross street, phone number and hours commuters are available to commute to and from work. Individuals are then able to select and contact others with whom they wish to match for a ride.		$	Low
9. Emergency Ride Home Program	Encourage employees to sign-up for 511 Contra Costa's Guaranteed Ride Home (GRH). When unexpected circumstances arise, the GRH Program provides a free ride home from work for employees who choose to commute by not driving alone. The GRH Program is free for employees who register for the program, work in Contra Costa County, and use sustainable forms of transportation, including walking, biking, taking transit, or ridesharing.		$	Low

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
10. Transportation Kiosk	Provide a transportation information board or commuter kiosk in the employee lounge and/or lobby of each project building. The kiosk will contain transportation information such as transit schedules, bicycle maps, commuter materials, and 511 ridematching incentives.	$$	$	Low
11. Commute Program Flyer	At the start of employment, provide each employee with an employee commute flyer. This flyer will include (but not be limited to) information about carpool parking, vanpool program, transit opportunities, ride-matching services, bicycle routes, and emergency ride home program.	$	$	Low
12. TDM Project Coordinator and Employee Transportation Coordinators	Designate a TDM coordinator for the project site. The TDM coordinator(s) will manage and monitor the employer commute programs and will be responsible for ensuring that all employees are aware of their transportation options and would serve as a point of contact regarding the TDM program.		$$	Low
13. Promotional programs (Bike to Work Day, Earth Day, Transportation Spare the Air notices, e-newsletters, etc.)	Provide promotional events and periodic articles by the project TDM Coordinator for internal employee newsletters, with ongoing highlights of alternative commuters and their successes.		$-$$	Low
14. Participate in the Bay Area Commuter Benefits Program	Air District Regulation 14, Rule 1, also known as the Bay Area Commuter Benefits Program, requires employers with 50 or more full-time employees to register and offer commuter benefits to their employees.		$	Low

Notes:

1. Approximate cost ranges:
   - $ <$1,000
   - $$ $1,000 - $10,000
   - $$$ $10,000 - $100,000
   - $$$$ >$100,000
2. Approximate effectiveness in reducing SOV trips*:
   - Low <3%
   - Medium 3-8%
   - High >8%

   *Due to inherent uncertainty in the effectiveness of any given TDM strategy, these values represent a reasonable range of effectiveness for strategies placed in each tier.

Source: Fehr & Peers, 2022.

Table 3: Encouraged TDM Measures

TDM Strategy	Description	Costs[1]		Effectiveness Range[2]
		One Time	Annual	
15. Bikeshare/Scooter-share	If bikeshare and/or scooter-share is provided near the project site, provide annual membership to employees.	$	$$	Low
16. Rideshare	Designate parking spaces for ridesharing vehicles and/or designate an adequate passenger loading zones and waiting areas for ridesharing vehicles. Provide an app or website to coordinate rides.	$$	$	Low-Medium
17. Carshare	If carshare is provided near the project site, provide annual membership to employees.	$	$$	Low
18. Pre-Tax Transit Payroll Deduction Option	Use programs such as WageWorks to help employees pay for commuting expenses through pre-tax payroll deductions towards transit passes.		$$	Low
19. Transit Subsidies	Subsidize or reimburse employees for transit passes.		$-$$$	Low-Medium
20. Cash Allowances and Rewards (Non-Transit)	Reward incentives for alternative commute modes.		$$	Low
21. Carpool Incentive Program	Provide incentives for carpool/vanpool commuters such as gas cards or bridge tolls reimbursements.		$$	Low
22. Provide vanpool services to major transit stations	Explore collaborating with other nearby employers to provide vanpool services to the Richmond or El Cerrito del Norte BART stations or other areas where a high number of employees live.		$$$-$$$$	Low-Medium

Notes:

1. Approximate cost ranges:
   - $ <$1,000
   - $$ $1,000 - $10,000
   - $$$ $10,000 - $100,000
   - $$$$ >$100,000
2. Approximate effectiveness in reducing SOV trips*:
   - Low <3%
   - Medium 3-8%
   - High >8%
   - *Due to inherent uncertainty in the effectiveness of any given TDM strategy, these values represent a reasonable range of effectiveness for strategies placed in each tier.

Source: Fehr & Peers, 2022.

3. Monitoring and Reporting

It is important to ensure TDM measures are implemented and effective. Therefore, a monitoring program is necessary to measure the performance of the TDM plan based on the project non-SOV mode-use and corresponding automobile trip reductions. An annual commute program evaluation as described in this chapter will allow the project and the City to assess the effectiveness of the unique program designed for the project. The annual monitoring provides an opportunity for the project to assess the success of the TDM Plan and to make adjustments or revisions as needed to achieve the TDM Plan goal.

Annual Employee Commute Survey

The project shall conduct an employee commute survey (See **Appendix A** for a sample survey) that would last for five continuous weekdays to assess the employee commute mode shares and evaluate and ensure the success of the TDM Plan. The survey can be in-person and/or online and shall be administered to all site employees.

The project will encourage, support, and participate in the promotion and marketing of the annual employee survey. Survey data may be used to focus commuter marketing and the efforts of the TDM Coordinator(s) to maintain the project's commitment to reduce vehicle trips at the site, as well as modify the implemented TDM measures to increase their effectiveness. The initial annual employee survey shall be conducted within one year of the project occupancy and subsequent surveys shall be conducted at the same time of the year as the initial survey.

Annual TDM Summary Report

The project shall submit an annual TDM summary report to the City of Pinole to document the effectiveness of the TDM Plan in reducing the SOV trips generated by the project and compliance with this TDM Plan. At minimum, the report shall consist of the following:

1. A description of the current TDM measures and services provided at the project, the level of use or participation of each measure (to the extent feasible), and compliance with the required and encouraged measures in the TDM Plan.
2. Results of the annual employee survey that quantify the mode split for site employees, the perception of the TDM Plan by the project employees, and compliance with the TDM Plan's vehicle trip reduction goal. The survey results should focus on the weekday daytime employees.
3. Findings of the project compliance with the TDM reduction and participation goal. If the report findings show that the TDM reduction and/or participation goals have not been met, the project would work with City staff to identify modifications to the TDM Plan and if there are additional TDM measures the project could reasonably (financially and practically) implement to further improve the site's TDM reductions and participation.

The Annual TDM Summary Report shall be submitted to the City after the completion of the annual employee commute survey. The reports subsequent to the first report shall include a comparison of the TDM measures and services and their effectiveness, as well as the mode split data, with the previous years.

No Expiration of TDM Plan or Programs

Ongoing implementation of all required TDM measures will continue with no expiration of this plan.

Appendix A – Sample Commute Survey

NOTE: Questions should be tailored by the project based on specific policies such as work schedules, available commuter benefits, available commute options, etc.

1. What is your home zip code?
2. What are your typical work hours?
    a. Start time:
    b. End time:
3. Thinking about last week, how did you get to work on each of the following days? If you used more than one, please indicate the way for the longest part of your trip.
    a. Monday:
    b. Tuesday:
    c. Wednesday:
    d. Thursday:
    e. Friday:
    f. Saturday:
    g. Sunday:
4. Thinking about last week, how did you leave work on each of the following days? If you used more than one, please indicate the way for the longest part of your trip.
    a. Monday:
    b. Tuesday:
    c. Wednesday:
    d. Thursday:
    e. Friday:
    f. Saturday:
    g. Sunday:
5. Thinking about last week, how often did you leave work in the middle of the day to get lunch or run errands?
    a. Yes, multiple times a day
    b. Yes, once a day
    c. Yes, a few times a week
    d. No, I did not leave the office during the day
6. When you leave the office in the middle of the day, how do you typically travel to get lunch or run errands?
    a. Private vehicle
        i. Drove my own private vehicle (Drive alone)
        ii. Drove my own private vehicle (Carpool)
        iii. Passenger in a private vehicle (Carpool)
    b. Uber/Lyft/Taxi drop-off
    c. AC Transit Bus
    d. Bicycle
    e. Walked
    f. Bikeshare/E-scooter
    g. Other: _____
7. What is most important to you when you choose how to get to work? (Select up to 3.)
    a. Travel time
    b. Cost
    c. Convenience/flexibility
    d. Reliability
    e. Comfort/safety
    f. Reducing pollution
    g. Ability to make stops between home and work
    h. Stress
8. If you typically use a non-drive alone mode to commute to work, how can we better support your commute?
    a. Company subsidy for transit
    b. Company subsidy for vanpool
    c. Company subsidy for biking or walking
    d. Lower parking rates for carpooling
    e. Preferred parking for carpooling
    f. Assistance using transit or biking
    g. Assistance with
    h. Flexible work schedule
    i. Ride home in case of emergency
    j. Incentive program (prizes or contests)
    k. Other: _____

9. If you normally drive alone to work, what are your main reasons for doing so?
    a. Need a car for work
    b. Need a car for personal use during the work day
    c. No reasonable transit option
    d. No reasonable walking or biking option
    e. No options for carpooling
    f. Need a car for errands or to transport children
    g. Cannot get home in an emergency
    h. Cost of taking transit
    i. Other: _____
10. If you usually drive alone to work, which of the following transportation options (other than driving alone) would appeal most to you? (Select up to 3.)
    a. Carpooling
    b. Vanpooling
    c. Transit
        i. BART
        ii. AC Transit
    d. Bicycling
    e. Walking
    f. Not interested in other transportation options for commuting
    g. Other: _____
11. If you normally drive alone to work, what would encourage you to use a non-drive alone mode to commute to work? (Select up to 3.)
    a. Company subsidy for transit
    b. Company subsidy for vanpool
    c. Company subsidy for biking or walking
    d. Parking cash-out
    e. Lower parking rates for carpooling
    f. Preferred parking for carpooling
    g. Assistance using transit or biking
    h. Assistance finding carpool partners
    i. Flexible work schedule
    j. Ride home in case of emergency
    k. Incentive program (prizes or contests)
    l. Other: _____
12. Do you have other comments about your transportation options for commuting to work?

PLANNING COMMISSION REPORT

I.1.

DATE: JUNE 10, 2024

TO: PLANNING COMMISSION

FROM: SANJAY MISHRA, PUBLIC WORKS DIRECTOR

SUBJECT: REVIEW OF PROPOSED PRELIMINARY CAPITAL IMPROVEMENT PLAN (CIP) FY2024-2025 THROUGH 2028-2029 FOR CONSISTENCY WITH THE GENERAL PLAN

RECOMMENDATION

The Public Works Department recommends the Planning Commission review the Proposed Preliminary Five-Year Capital Improvement Plan (CIP) and adopt Resolution 24-03 finding that the projects proposed in the CIP for Fiscal Years (FY) 2024-2025 through 2028-2029 are consistent with the Pinole General Plan.

BACKGROUND

A Capital Improvement Plan (CIP) is a comprehensive planning document used by the City to identify, plan, and fund capital projects and equipment purchases. Capital projects are usually “brick and mortar” improvements, such as street or utility projects, but also include projects that achieve economic development, blight alleviation, housing goals, or further other policy objectives of the City.

Sections 65401 and 65402 of the California Government Code require that a local agency’s CIP be in conformance with the General Plan. General Plan conformity can be best described as CIP projects furthering the achievements of goals, policies, and infrastructure in the General Plan. State law also mandates that this determination of conformance be made by a designated planning agency. For the City of Pinole, the designated planning agency is the Planning Commission. The purpose of this staff report is to present the Public Works CIP projects for FY 2024-2025 through 2028-2029 so that the Planning Commission can make a determination of consistency with Pinole’s General Plan.

The Proposed Revised Capital Improvement Plan lists 39 planned citywide public improvement projects and 5 infrastructure assessments for FY 2024-2025 through 2028-2029. For FY 2024-25, there are 35 capital projects and 5 infrastructure assessments scheduled. Staff has also prepared an expanded unfunded project list to include projects that have been identified but have not advanced because a funding source has not been identified. Staff has recommended that several focus asset management plans and infrastructure assessments be completed to aid in fully understanding needs and in allocating funding. These efforts will result in identified projects that the City needs to advance into its long-range financial plan. These projects are described in Attachment C.

The projects in the Proposed Preliminary CIP fall into the following asset groups:

- Facilities
- Parks
- Sanitary Sewer
- Stormwater
- Streets & Roads
- Infrastructure Assessments

REVIEW AND ANALYSIS

Funding is estimated for specific projects or asset plans in the Proposed Preliminary Capital Improvement Plan that support the goals and policies of following elements of the General Plan:

- Community Character
- Growth Management
- Land Use & Economic Development
- Housing
- Circulation
- Community Services and Facilities
- Health and Safety
- Natural Resources and Open Space
- Sustainability

The Proposed Preliminary Capital Improvement Plan includes funding for projects over the next five (5) fiscal years that support General Plan policies and enhance public infrastructure, amenities, and services in Pinole. The Capital Improvement Plan will also involve actively seeking out grants funds to supplement local funding sources to complete projects.

The Capital Improvement Plan is consistent with and helps implement various General Plan goals and policies which are identified on individual project description sheets for each project in Attachment C and summarized in Attachment B. Appendix I of the Revised Proposed CIP (Attachment C) describes the applicable General Plan goals and policies in detail.

The Capital Improvement Plan's General Plan consistency review is exempt from the California Environmental Quality Act (CEQA), as this review is not considered a project pursuant to the definition of a project in Section 15378 contained in the CEQA Guidelines in that the consistency review will not result in potentially significant physical changes in the environment. Specific projects within the plan will include project-specific environmental review as part of future review and authorization to proceed.

FISCAL IMPACT

ATTACHMENTS

A. Attachment A. Resolution
B. Attachment B. CIP_ConsistencyMatrix

C. Attachment C. Revised Proposed FY 2024-45 through 2028-29 CIP 6-4-24

ATTACHMENT A

PLANNING COMMISSION RESOLUTION 24-03

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF PINOLE RECOMMENDING THE CITY COUNCIL OF THE CITY OF PINOLE FIND THAT THE REVISED PROPOSED CAPITAL IMPROVEMENT PLAN FOR FISCAL YEARS 2024-2025 THROUGH 2028-2029 IS IN CONFORMANCE WITH THE CITY OF PINOLE GENERAL PLAN

WHEREAS, the Capital Improvement Plan (CIP) includes designated funding for planned public improvement projects so that the City may continue to maintain public infrastructure, enhance public facilities, work towards satisfying community needs, and help fulfill existing General Plan goals; and

WHEREAS, each year the Planning Commission of the City of Pinole reviews capital projects that will be planned, initiated, or constructed during the ensuing fiscal year for conformity with the General Plan as required by State Planning and Zoning Law (Government Code Section 65401); and

WHEREAS, the Planning Commission has reviewed the Revised Proposed CIP, which includes capital projects to be planned, initiated, or constructed during the 2024-2025 fiscal year for conformity with the General Plan; and

WHEREAS, the Planning Commission has reviewed the Revised Proposed CIP and determined that the projects specifically support the goals and policies of the following General Plan Elements: Community Character, Growth Management, Land Use & Economic Development, Housing Element, Circulation, Community Services and Facilities, Health and Safety, Natural Resources and Open Space, and Sustainability; and

WHEREAS, in accordance with the California Environmental Quality Act (CEQA), the Planning Commission's action to determine whether a proposed new or modified CIP project is in conformance with the General Plan, is not subject to the CEQA, pursuant to CEQA Guidelines Section 15378 in that General Plan conformance findings required by State law is not a project as defined under CEQA; and additionally, since this is consistency finding, the previous environmental documentation for the General Plan is adequate CEQA documentation; and

WHEREAS, on June 10, 2024, the Planning Commission reviewed the Preliminary Proposed CIP for Fiscal Years 2024-2025 through 2028-2029 for consistency with the General Plan at which time interested persons had an opportunity to testify either in support or opposition to the projects; and

WHEREAS, at the June 10, 2024, Planning Commission meeting, upon hearing and considering all testimony and arguments, if any, of all persons desiring to be heard, the Planning Commission considered all the facts relating to the consistency of the Proposed Preliminary CIP for Fiscal Years 2024-2025 through 2028-2029 with the General Plan.

NOW THEREFORE BE IT RESOLVED that the Planning Commission of the City of Pinole hereby determines that those projects in the Proposed Revised CIP for Fiscal Years 2024-2025 through 2028-2029 conform to and are consistent with the City of Pinole General Plan.

PASSED AND ADOPTED by the Planning Commission of the City of Pinole on this 10th day of June 2024 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Rafael Menis, Chair, 2024

ATTEST:

_____
David Hanham, Planning Manager

ATTACHMENT B

CITY OF PINOLE
GENERAL PLAN CONSISTENCY MATRIX
PROPOSED PRELIMINARY
FY 2024-2025 – FY 2028-2029 CAPITAL IMPROVEMENT PLAN

Project number acronyms are as follows:	The General Plan Element acronyms are as follows:
FA = Facilities PA = Parks SS = Sanitary Sewer SW = Stormwater RO = Streets & Roads IA = Infrastructure Assessments	CC = Circulation Element GM = Growth Management LU = Land Use and Economic Development H = Housing Element CS = Community Services and Facilities HS = Health and Safety OS = Natural Resources and Open Space Element SE = Sustainability Element
Represents projects scheduled in future years (FY 2025/26-FY 2028/29)	Appendix I of the Revised Proposed CIP (Attachment C) describes the applicable General Plan goals and policies.

Project #	Project Name	General Plan Goals / Policies
FACILITIES		
FA2401	TINY TOTS FLOORING AND PAINTING	Goal CS.1, Policy CS.1.1; Goal CS.3, Policy CS.3.1
FA2302	Plum St. Parking Lot Improvements	Policy CS.2.6
FA2301	Public Safety Building Modernization	Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3
FA2202	Senior Center Modernization	Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3
FA1901	Senior Center Auxiliary Parking Lot (formerly known as Fowler House lot reuse)	Goal CE.5, Goal CS.1, Policy GM.4.1
FA1703	City Hall Modernization (formerly known as Paint City Hall)	Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3
FA1702	Citywide Roof repairs and replacement	Policy GM.4.1, Goal CS.1, Goal CS.9, Policy CS.9.1

ATTACHMENT B

Project #	Project Name	General Plan Goals / Policies
PARKS		
PA2402	MURAL PRESERVATION	Goal CC.1, Policy CC.1.3; Goal CC.5, Policy CC.5.1
PA2401	FERNANDEZ PARK IMPROVEMENTS	Goal CS.1, Policy CS.1.1, Policy CS.1.3; Goal CS.3, Policy CS.3.1; Goal CS.9, Policy CS.9.1, Goal SE.4, Policy SE.4.2
PA2202	Skatepark Rehabilitation	Goal CS.2, Goal CS.3, Policy CS 2.6 & 3.1, Policy GM.4.1
PA1901	Pinole Valley Soccer Field Rehabilitation	Goal CS.1, Goal CS.3, Policy CS 3.1, Policy GM.4.1
SANITARY SEWER		
SS2407	PRIVATE SEWER LATERAL PROGRAM	Goals HS.2, Policy HS.2.5; Goal HS.7, Policy HS.7.6; Goal CC.2, Policy CC.2.2
SS2406	WPCP SOLAR AND BATTERY	Goal CS.6, Policy CS.6.1; Goal SE.3, Policy SE.1.3; Goal CS.7, Policy CS.7.1; Goal GM.4, Policy GM.4.1
SS2405	LOWER TENNENT TRUNK SEWER CAPACITY	Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1
SS2404	WPCP BOILER REPLACEMENT	Goal CS.1, Goal CS.6, Policy CS.6.1
SS2403	WPCP CENTRIFUGE REPLACEMENT	Goal CS.1, Goal CS.6, Policy CS.6.1
SS2402	PINON-2 SEWER CAPACITY	Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1
SS2401	PINON TRUNK SEWER CAPACITY PHASE 2	Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1
SS2203	Effluent Outfall	Policy GM.4.1, Goal CS.6, Policy CS.6.1
SS2201	Sanitary Sewer Rehabilitation	Policy GM.4.1, Goal CS.6, Policy CS.6.1
SS2101	Secondary Clarifier Rehabilitation	Goal CS.1, Goal CS.6, Policy CS.6.1
SS2002	Water Pollution Control Plant Lab Remodel	Policy GM.4.1, Goal CS.1, Policy CS.2.6
SS1702	Sewer Pump Stations Rehabilitation	Policy GM.4.1, Goal CS.6, Policy CS.6.1

STORMWATER		
SW2401	STORM DRAIN CREEK DISCHARGE IMPROVEMENTS	Goal CS.7, Policy CS.7.1; Goals OS.1, Policy OS.1.2; Goal CC.2, Policy CC.2.2
SW2001	Roble Road Drainage Improvements	Policy GM.4.1, Goal CS.7, Policy CS.7.1

Project #	Project Name	General Plan Goals / Policies
STREETS AND ROADS		
RO2404	CROSSWALK TENNENT AVE AT PRUNE ST	Goal CS.10, Policy CS.10.2; Goal SE.8, Policy SE.8.8; Goal HS.6, Policy HS.6.1; Goal CE.4; Goal CS.2, Policy CS.2.6
RO2403	OLD TOWN TRAFFIC CALMING	Goal GM.2, Policy GM.3.3, Policy GM.3.7; Goal SE.8, Policy SE.8.7; Goal CE.1, Policy CE.1.4; Goal CE.3, Policy CE.3.2; Goal CE.4, Policy CE.4.5; Goal CE.5; Goal CS.10, Policy CS.10.2
RO2402	SIDEWALK REHABILITATION PROGRAM	Goal CE.4, Policy CE.4.5; Goal SE.8, Policy SE.8.7; Goal CE.1, Policy CE.1.4; Goal CE.3, Policy CE.3.2; Goal CS.2, Policy CS.2.6; Goal CS.10, Policy CS 10.2; Goal H.3, Policy H.3.1; Goal GM.3, Policy GM.3.7; Goal HS.6, Policy HS.6.1
RO2401	ROAD MAINTENANCE REPAIRS	Goal CE.3, Policy CE.3.2; Policy GM.3.3, Goal CS.10, Policy CS 10.2; Goal CE.7; Goal SE.8, Policy SE.8.7
RO2303	Pinole Smart Signals	Goal CS.10, Policy CS 10.2
RO2302	Safety Improvements on Arterial Roadways	Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2
RO2301	Road Rehabilitation	Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

RO2107	Brandt St. Improvements	Goal CE.4, Goal CS.10, Policy CS.10.2, Policy GM.3.3, Goal CS.10
RO2102	Tennent Ave. Rehabilitation	Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2
RO2101	Arterial Rehabilitation	Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2
RO1902	Pedestrian Improvements at Tennent near RxR	Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2
RO1710	San Pablo Avenue Bridge over BNSF Railroad	Policy CS.3.3, Goal H.3, Policy H.3.1, Goal CE.3, Goal CE. 7, Policy CE.7.3, Goal CS.10.
RO1708	Pinole Valley Road Improvements	Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Project #	Project Name	General Plan Goals/Policies
INFRASTRUCTURE ASSESSMENTS		
IN2301	Facilities & Real Estate Master Plan	Goal CS.1, Policy CS.1.3, Policy CS.2, Policy CS.2.6
IN2103	Recycled Water Feasibility	Policy OS.8.1, Policy OS.8.7, Goal SE.9, Policy SE.9.1, Policy SE.9.4
IN2105	Appian Way Complete Streets	Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2
IN2101	Emergency Power for Critical Facilities	Policy GM.4.1, Policy CS.2.6, Goal CS.9, Goal HS.4
IN1703	Storm Drainage Master Plan	Policy GM.4.1, Policy CS.7.1

Attachment C

CITY OF PINOLE
CAPITAL IMPROVEMENT PLAN
FY 2024/25 – 2028/29

REVISED PROPOSED JUNE 4, 2024

CAPITAL IMPROVEMENT PLAN FY 2024/25 – 2028/29

PINOLE

PUBLIC WORKS

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Cameron N. Sasai, Mayor Pro Tem

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Norma Martínez-Rubin, Council Member

INTERIM CITY MANAGER

Neil Gang

PUBLIC WORKS DIRECTOR

Sanjay Mishra

CAPITAL IMPROVEMENT & ENVIRONMENTAL PROGRAM MANAGER

Vacant

CAPITAL IMPROVEMENT PLAN: FY 2024/25 THROUGH FY 2028/29
TABLE OF CONTENTS

Introduction **1**
Capital Projects Prioritization Matrix **3**
Next Steps in Capital Planning **6**
Project Funding **6**
Funding Sources **6**
Grants **7**
Overview of Recommended Capital Budget **9**
Funding Summary **10**
Project Description Sheets – Facilities 12
Project Description Sheets – Parks 19
Project Description Sheets – Sanitary Sewer 23
Project Description Sheets – Stormwater 35
Project Description Sheets – Roads 37
Project Description Sheets – Infrastructure Assessments 50
Unfunded Project List **55**
Unfunded Project Descriptions 56
APPENDIX I: Capital Improvement Plan Consistency with General Plan
APPENDIX II: Prioritization Matrix Category Scoring Guidelines

Introduction

The Capital Improvement Plan (CIP) is a multi-year tool used to identify the City's capital needs and schedule capital improvement projects over the upcoming five-year period. Capital improvements include the design, purchase, construction, maintenance, or improvement of public capital assets (i.e., streets, parks, buildings, etc.).

The projects in the CIP fall into the following broad categories:

- Facility maintenance;
- Parks;
- Sewer collection and treatment;
- Stormwater;
- Streets and roads; and
- Infrastructure assessments.

The FY 2024/25 – 2028/29 CIP contains 35 capital improvement projects and 5 infrastructure assessments that are scheduled to be undertaken over the five-year timeframe and are fully or partially funded. The CIP also includes information for 36 unfunded projects. A funded project is one that has identified specific funding, including on-going existing resources to fully implement the project. A partially funded project has funding to accomplish various phases of the project but lacks sufficient funding to complete the project. An unfunded project is one that has been identified in the CIP as a need but no funding secured to implement the project. Should funding become available through grant or other sources, the unfunded list can be reviewed to determine if it is suitable to seek such funding.

Each project is assigned a project number and described in detail in the project sheets. The nomenclature for the project number is derived as follows:

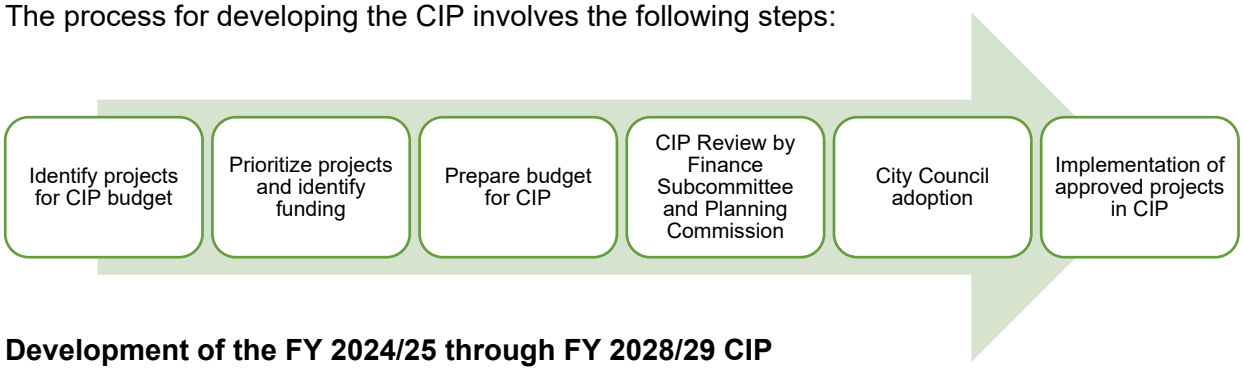
- Project numbers begin with the abbreviation of the project category, followed by the year the project was first programmed, and then a unique sequence number. For example, FA2001 refers to a facilities project which was first programmed in 2020 with a unique sequence number of 01. Unfunded projects begin with UF and are followed by a unique sequence number.

Category	Abbreviation
Facilities	FA
Parks	PA
Sewer	SS
Stormwater	SW
Streets & Roads	RO
Infrastructure Assessments	IN
Unfunded	UF

The CIP is reviewed and updated annually. In recent years, the City has increased its focus on assessing the state of the City's infrastructure by inventorying all the assets, assessing their contributions to a safe and vibrant Pinole, assessing their current conditions, and creating a disciplined investment approach resulting in a strong and purpose driven Capital Investment Plan.

The preparation and adoption of the CIP is an important part of Pinole's financial planning and budgeting process. Proposed projects are reviewed by the Planning Commission for consistency with the General Plan. The project description sheet provides information on the General Plan goal or policy that the project aligns with. Appendix I describes the applicable General Plan goals and policies. The Finance Subcommittee also reviews the CIP and makes recommendations.

The process for developing the CIP involves the following steps:



Development of the FY 2024/25 through FY 2028/29 CIP

Most of the projects in the FY 2024/25 through FY 2028/29 CIP are the continuation of multi-year projects that have already been initiated or are projects that were included in the prior year's CIP but have not yet been initiated. The FY 2024/25 through FY 2028/29 CIP was developed by taking the adopted FY 2023/24 thru FY 2027/28 CIP, then deleting projects that have been completed or no longer seem necessary and adding new projects. Below is a summary of the changes during FY 2023/24.

<u>Projects added to the CIP by the City Council during FY 2023/24</u>

- PA2402 – Mural Preservation
- RO2404 – Crosswalk Tennent Ave at Prune St
- RO2403 – Old Town Traffic Calming

<u>Projects removed from the CIP by the City Council during FY 2023/24</u>

- PA2201 – Pocket Parks - Galbreth Rd.

<u>Projects removed from the CIP by the Staff during FY 2023/24</u>

- FA1902 – Energy Upgrades
- RO1802 – Hazel Street Gap Closure (Sunnyview)

<u>Projects expected to be complete during FY 2023/24</u>

- PA2301 – Tree Mitigation
- PA2101 – Installation of High-Capacity Trash Bins
- SS2102 – Air Release Valve Replacements
- SW1901 – Hazel Street Storm Drain Improvements
- RO2304 – Safety Improvements at Tennent Ave./Pear & Plum
- RO1714 – Safety Improvements at Appian Way & Marlesta Rd. (formerly known as HAWK at Appian Way and Marlesta)
- IN2201 – Energy Conservation, Generation, & Storage Assessment (formerly known as Energy Audit)
- IN2106 – Active Transportation Plan
- IN2102 – Municipal Broadband Feasibility
- IN1704 – Parks Master Plan

The City's capital projects have historically been prioritized based on a number of factors, including regulatory compliance, health/safety, grant funding availability, sustainability and conservation, and others. In FY 2022/23, City staff created a more structured, quantitative methodology for prioritizing capital projects. The prioritization matrix is a planning and evaluation tool to optimize available resources. Staff ranks capital projects which have not been initiated based on the following methodology.

CATEGORY	SCORE (1-5)		CATEGORY WEIGHT	WEIGHTED SCORE
Regulatory Compliance			4	
Health/Safety			3	
Project Dependency/Bundling			3	
Long-Term Planning			2	
State of Infrastructure			2	
Operating Budget Impact			2	
Quality of Life			2	
Grant Funding			1	
Sustainability and Conservation			1	
TOTAL SCORE (100 Points Maximum)				

The methodology scores each potential capital project on nine weighted criteria. This results in a score between 0 and 100 for each project. Staff used this new methodology for the first time in creating the FY 2023/24 through 2027/28 Five-Year CIP.

Staff ranked all projects in the CIP including unfunded projects. The scores are listed on each project sheet and serve as the basis for selecting which capital projects staff initiates based on available resources. Note, this matrix does not consider infrastructure assessments. Project sheets contain the weighted score. Additional information on category scoring guidelines are described in Appendix II. Staff rated the projects in the current CIP that have not yet been initiated. The ranking of these not-yet-initiated projects was used by staff to propose, in the FY 2024/25 through 2028/29 Five-Year CIP, which projects to schedule for FY 2024/25 and which to schedule for later years.

<u>Projects from the adopted FY 2023/24 through 2027/28 Five-Year CIP that have not yet been started and staff recommends for deferral</u>

- IN2301 – Facilities & Real Estate Master Plan

<u>New projects that staff recommended for addition because they are high priority, allocate available funds from Growth Impact Fee, or have a substantial outside funding contribution</u>

- FA 2401 – Tiny Tots Flooring and Painting
- PA2401 – Fernandez Park Improvements
- SS-2407 – Private Sewer Lateral Program
- SS-2406 – WPCP Solar and Battery
- SS2405 – Lower Tennent Trunk Sewer Capacity
- SS2404 – WPCP Boiler Replacement
- SS2403 – WPCP Centrifuge Replacement

- SS2402 – Pinon-2 Capacity
- SS2401 – Pinon Trunk Sewer Capacity Phase 2 (Phase 2 of SS2201)
- SW2401 – Storm Drain Creek Discharge Improvements
- RO2402 – Sidewalk Rehabilitation Program
- RO2401 – Road Maintenance Repairs

Below are the list of capital improvement projects and infrastructure assessments included in the FY 2024/25 – 2028/29 CIP:

FACILITIES	
Project #	**Project Name**
FA2401	Tiny Tots Flooring and Painting
FA2302	Plum St. Parking Lot Improvements
FA2301	Public Safety Building Modernization
FA2202	Senior Center Modernization
FA1901	Senior Center Auxiliary Parking Lot
FA1703	City Hall Modernization
FA1702	Citywide Roof Repairs and Replacement
PARKS	
Project #	**Project Name**
PA2402	Mural Preservation
PA2401	Fernandez Park Improvements
PA2202	Skatepark Rehabilitation
PA1901	Pinole Valley Park Soccer Field Rehabilitation
SANITARY SEWER	
Project #	**Project Name**
SS2407	Private Sewer Lateral Program
SS2406	WPCP Solar and Battery
SS2405	Lower Tennent Trunk Sewer Capacity
SS2404	WPCP Boiler Replacement
SS2403	WPCP Centrifuge Replacement
SS2402	Pinon-2 Capacity
SS2401	Pinon Trunk Sewer Capacity Phase 2
SS2203	Effluent Outfall
SS2201	Sanitary Sewer Rehabilitation
SS2101	Secondary Clarifier Rehabilitation
SS2002	Water Pollution Control Plan Lab Remodel
SS1702	Sewer Pump Station Rehabilitation
STORMWATER	
Project #	**Project Name**
SW2401	Storm Drain Creek Discharge Improvements
SW2001	Roble Road Storm Drainage Improvements

STREETS & ROADS	
Project #	**Project Name**
RO2404	Crosswalk Tennent Ave at Prune St
RO2403	Old Town Traffic Calming
RO2402	Sidewalk Rehabilitation Program
RO2401	Road Maintenance Repairs
RO2303	Pinole Smart Signals
RO2302	Safety Improvements on Arterial Roadways
RO2301	Road Rehabilitation
RO2107	Brandt St. Improvements
RO2102	Tennent Ave Rehabilitation
RO2101	Arterial Rehabilitation
RO1902	Pedestrian Improvements at Tennent Ave. Near RXR
RO1710	San Pablo Avenue Bride Over BNSF Railroad
RO1708	Pinole Valley Road Improvements
INFRASTRUCTURE ASSESSMENTS	
Project #	**Project Name**
IN2301	Facilities & Real Estate Master Plan
IN2105	Appian Way Complete Streets
IN2103	Recycled Water Feasibility
IN2101	Emergency Power for Critical Facilities
IN1703	Storm Drain Master Plan

The FY 2024/25 – 2028/29 CIP contains a list of 36 unfunded projects.

The following projects were added as a result of recommendations from recently completed master planning and infrastructure assessment efforts:

- UF032 City Hall Energy Upgrades
- UF033 Public Safety Building Energy Upgrades
- UF034 WPCP Energy Upgrades
- UF035 Youth Center Upgrades
- UF036 Park Energy Upgrades

The following projects were added as a result of Council requests:

- UF031 – Old Town Traffic Calming (This project is within the limits of UF023 - San Pablo Avenue Complete Streets project and may partially or completely replace it.)

The following projects were removed from the list of unfunded projects:

- Fernandez Park Improvements (funded in this CIP)
- Pinon-1 (funded in this CIP)
- Pinon-2 (funded in this CIP)
- Tennent-1 (funded in this CIP)
- Faria House Improvements

Next Steps in City Capital Planning

The City is in the process of completing a condition assessment of all of the City's capital assets to identify the funding levels required to maintain these assets. The City will continue to integrate capital planning information into the Long-Term Financial Plan, so City decision makers are aware of the City's capital needs when they consider allocation of the City's limited financial resources and consider possibly pursuing additional sources of City revenue.

Project Funding

A variety of funding sources support projects listed in the CIP. The first year's program in the CIP is adopted by the City Council as the Capital Budget, as a counterpart to the annual Operating Budget. The fiscal resources are appropriated only in the first year, the subsequent four years of the CIP are important for long term planning and subject to further review and modification.

The CIP is funded primarily with funds restricted for specific purposes. The next section describes various funding sources and their restrictions. Some projects are entirely or partially funded by grants and reimbursements from state and federal government and other agencies.

Funding Sources

Fund #	Fund Name (restriction)	Description
100	General Fund (unrestricted)	The General Fund is the main operating fund for the City. It accounts for sources and uses of resources that (primarily) are discretionary to the City Council in the provision of activities, programs and services deemed necessary and desirable by the community.
106	Measure S 2014 (unrestricted)	Accounts for 2014 voter-approved half-cent Local Use Tax which levies 0.5% each on all merchandise. Although these are unrestricted General Fund revenues, the 2014 Use Taxes have been allocated by the City Council to fund Infrastructure Projects as their highest funding priority.
200	Gas Tax - RMRA (roads and right-of-way)	Accounts for the Highway Users Tax (HUTA) State imposed excise taxes on gasoline and diesel fuel sales within the City limits. Gas Tax funds are restricted for use in the construction, improvement and maintenance of public streets. The taxes are allocated to Pinole through the Road Maintenance and Rehabilitation Account (RMRA) established by the Road Repair and Accountability Act of 2017.
214	Solid Waste	Accounts for special revenue received from Republic Services from a surcharge assessed on customer rates for solid waste services. These funds are set aside for future solid waste capital and for a rate stabilization fund.
276	Growth Impact Fees (nexus identified needs)	Accounts for development fees collected to mitigate the impact of new development. Provides funds for nexus identified needs only.

325	City Street Improvements (roads only)	Accounts for funds set aside by the City of Pinole to fund street improvement projects. The Measure S 2014 funding plan allocates $250k annually to this fund.
500	Sewer Enterprise (sewer only)	Accounts for fees charged to residents and businesses for sewer utilities. Fees are used to operate the Pinole-Hercules Water Pollution Control Plant which services the Pinole and Hercules areas.

Grants

Certain projects are eligible to receive grant funds from state, federal, or other agencies. City staff actively pursues outside funding sources to support projects that are programmed in the CIP. Grants differ based on scope of work, funding source, requirements, and timelines. A grant's scope is determined by the policy goals of the grantor, and the grantee is obligated to provide deliverables based on the terms and conditions set forth in the grant funding agreement.

Before responding to a grant opportunity, staff reviews the grant solicitation to evaluate the:

- eligibility requirements to ensure the City can apply for funds;
- alignment of scope with the City's adopted CIP;
- feasibility of undertaking the responsibility of grant deliverables;
- short term revenue vs. long term costs of the opportunity to ensure that the grant revenue does not result into a fiscal burden of unprecedented permanent or long term expenditures such as the need to hire additional staff, ongoing operations and maintenance;
- required resources vs. available resources such as staff support and grant match;
- indirect costs related to administration of the grant such as legal fees; and
- cost benefit analysis to confirm that the grant is in the City's best interests.

Once a viable grant opportunity is identified, staff follows the grantors' determined application process to develop application materials and submit the grant. After notification of grant award, staff is responsible for grant implementation which includes project execution, oversight, reporting/reimbursement requests, record keeping, and project closeout. Effective management of the grant funds limits the City's exposure to grant-related legal liability and improves the efficiency and impacts of projects which are funded through grants.

Road projects listed in the CIP receive grant funding from a variety of sources such as:

- <u>California Department of Transportation (Caltrans)</u>
  - Highway Bridge Program (HBP) – funds to improve bridge structural safety.
    - Project: RO1710

  - Highway Safety Improvement Program (HSIP) – funds projects that significantly reduce fatalities and injuries on all public roads.
    - Project: RO2302

- West Contra Costa Transportation Advisory Committee (WCCTAC)
  - Subregional Transportation Mitigation Program (STMP) – funds projects that provide congestion relief and mitigate traffic impacts on regional routes through capacity improvements on those routes, improved transit services for subregional and regional travel, and improved facilities that allow West County residents to more efficiently access regional routes and transit service.
    - Projects: IN2105, RO1902, and RO1710

- Metropolitan Transportation Commission (MTC)
  - One Bay Area Grant (OBAG) – policy framework for MTC's distribution of federal State Transportation Program and Congestion Mitigation and Air Quality Improvement Program funds. The OBAG program provides funding for local street and road maintenance, streetscape enhancements, bicycle and pedestrian improvements, Safe Route to School projects, Priority Conservation Areas, and Transportation planning.
    - Projects: RO2303 (County funding), RO1902

  - Transportation Development Act (TDA) Article 3 – funds construction and/or engineering of bicycle or pedestrian capital or quick build projects, maintenance of Class I or Class IV separated bikeways, bicycle and/or pedestrian safety education projects, development of a comprehensive bicycle or pedestrian facilities plans, and restriping Class II bicycle lanes and buffered bicycle lanes.
    - Project: None

- Transportation for Livable Communities (TLC) program
  TLC program to finance pedestrian, bicycle and streetscape improvements near public transit in cities around the Bay Area. The purpose of TLC is to support community-based transportation projects that bring new vibrancy to downtown areas, commercial cores, neighborhoods and transit corridors, making them places where people want to live, work and visit. Pedestrian- and transit-friendly developments are hallmarks of the program.
    - Project: RO1710

CITY OF PINOLE
CAPITAL IMPROVEMENT PLAN: FY 2024/25 THROUGH FY 2028/29
FUNDING SUMMARY

SOURCES BY FUND	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	5-Year Total
100 - General Fund	$ 90,000	$ 340,000	$ -	$ -	$ -	$ 430,000
105 - Measure S 2006	$ 1,410,000	$ 820,000	$ 350,000	$ 350,000	$ 350,000	$ 3,280,000
106 - Measure S 2014	$ 2,500,262	$ 1,570,000	$ 195,000	$ 120,000	$ 120,000	$ 4,505,262
200 - Gas Tax	$ 1,195,000	$ 381,082	$ -	$ -	$ -	$ 1,576,082
215 - Grant: TLC	$ 133,579	$ -	$ -	$ -	$ -	$ 133,579
215 - Grant: HSIP	$ 239,040	$ -	$ -	$ -	$ -	$ 239,040
215 - Grant: OBAG	$ 464,000	$ 556,000	$ -	$ -	$ -	$ 1,020,000
276 - Growth Impact Fees	$ 1,680,000	$ 530,000	$ 400,000	$ -	$ -	$ 2,610,000
325 - City Street Improvements	$ 770,000	$ 1,051,507	$ -	$ -	$ -	$ 1,821,507
325 - Grant: TDA Article 3	$ -	$ -	$ -	$ -	$ -	$ -
325 - Grant: STMP Fees	$ 1,650,189	$ 99,000	$ -	$ -	$ -	$ 1,749,189
325 - Grant: HBP	$ 41,394	$ -	$ -	$ -	$ -	$ 41,394
377 - Arterial Streets Rehabilitation	$ 895,000	$ -	$ -	$ -	$ -	$ 895,000
500 - Sewer Enterprise Fund	$ 8,340,000	$ 3,847,411	$ 7,445,000	$ 4,995,000	$ 2,835,000	$ 27,462,411
Sources Total	$ 19,488,464	$ 9,115,000	$ 8,390,000	$ 5,465,000	$ 3,305,000	**$ 45,763,464**
Unfunded Total	**$ -**	$ 29,315,000	$ -	$ -	$ -	**$ 29,315,000**
Total Sources Required	**$ 19,408,464**	**$ 38,510,000**	**$ 8,390,000**	**$ 5,465,000**	**$ 3,305,000**	**$ 75,078,464**

CITY OF PINOLE
CAPITAL IMPROVEMENT PLAN: FY 2024-25 THROUGH FY 2028-29
FUNDING SUMMARY

SOURCES BY FUND	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	5-Year Total
100 - General Fund	$ 90,000	$ 340,000	$ -	$ -	$ -	$ 430,000
105 - Measure S 2006	$ 1,410,000	$ 820,000	$ 350,000	$ 350,000	$ 350,000	$ 3,280,000
106 - Measure S 2014	$ 2,500,262	$ 1,570,000	$ 195,000	$ 120,000	$ 120,000	$ 4,505,262
200 - Gas Tax	$ 1,195,000	$ 381,082	$ -	$ -	$ -	$ 1,576,082
215 - Grant: TLC	$ 133,579	$ -	$ -	$ -	$ -	$ 133,579
215 - Grant: HSIP	$ 239,040	$ -	$ -	$ -	$ -	$ 239,040
215 - Grant: OBAG	$ 464,000	$ 556,000	$ -	$ -	$ -	$ 1,020,000
276 - Growth Impact Fees	$ 1,680,000	$ 530,000	$ 400,000	$ -	$ -	$ 2,610,000
325 - City Street Improvements	$ 770,000	$ 1,051,507	$ -	$ -	$ -	$ 1,821,507
325 - Grant: TDA Article 3	$ -	$ -	$ -	$ -	$ -	$ -
325 - Grant: STMP Fees	$ 1,650,189	$ 99,000	$ -	$ -	$ -	$ 1,749,189
325 - Grant: HBP	$ 41,394	$ -	$ -	$ -	$ -	$ 41,394
377 - Arterial Streets Rehabilitation	$ 895,000	$ -	$ -	$ -	$ -	$ 895,000
500 - Sewer Enterprise Fund	$ 8,340,000	$ 3,847,411	$ 7,445,000	$ 4,995,000	$ 2,835,000	$ 27,462,411
Sources Total	$ 19,408,464	$ 9,195,000	$ 8,390,000	$ 5,465,000	$ 3,305,000	**$ 45,763,464**
Unfunded Total	**$ -**	$ 29,315,000	$ -	$ -	$ -	**$ 29,315,000**
Total Sources Required	**$ 19,408,464**	**$ 38,510,000**	**$ 8,390,000**	**$ 5,465,000**	**$ 3,305,000**	**$ 75,078,464**

FACILITIES							
PRJ #	**PROJECT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
FA2401	Tiny Tots Flooring and Painting	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000
FA2302	Plum St. Parking Lot Improvements	$ -	$ 80,000	$ -	$ -	$ -	$ 80,000
FA2301	Public Safety Building Modernization	$ 300,000	$ 350,000	$ -	$ -	$ -	$ 650,000
FA2202	Senior Center Modernization	$ 250,000	$ 100,000	$ -	$ -	$ -	$ 350,000
FA1901	Senior Center Auxiliary Parking Lot	$ 1,060,000	$ 470,000	$ -	$ -	$ -	$ 1,530,000
FA1703	City Hall Modernization	$ 400,000	$ 300,000	$ -	$ -	$ -	$ 700,000
FA1702	Citywide Roof Repairs and Replacement	$ 600,000	$ 300,000	$ -	$ -	$ -	$ 900,000
PARKS							
PRJ #	**PROJECT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
PA2402	Mural Preservation	$ 20,000	$ 50,000	$ -	$ -	$ -	$ 70,000
PA2401	Fernandez Park Improvements	$ 100,000	$ 400,000	$ 400,000	$ -	$ -	$ 900,000
PA2202	Skatepark Rehabilitation	$ -	$ 150,000	$ -	$ -	$ -	$ 150,000
PA1901	Pinole Valley Park Soccer Field Rehabilitation	$ 200,000	$ -	$ -	$ -	$ -	$ 200,000
SANITARY SEWER							
PRJ #	**PROJECT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
SS2407	Private Sewer Lateral Program	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000
SS2406 *	WPCP Solar and Battery	$ -	$ -	$ 175,000	$ -	$ -	$ 175,000
SS2405	Lower Tennent Trunk Sewer Capacity	$ -	$ -	$ 170,000	$ 3,880,000	$ -	$ 4,050,000
SS2404 *	WPCP Boiler Replacement	$ -	$ -	$ 660,000	$ -	$ -	$ 660,000
SS2403 *	WPCP Centrifuge Replacement	$ -	$ -	$ -	$ 990,000	$ -	$ 990,000
SS2402	Pinon-2 Sewer Capacity	$ -	$ -	$ -	$ 125,000	$ 2,835,000	$ 2,960,000
SS2401	Pinon Trunk Sewer Capacity Phase 2	$ 6,810,000	$ -	$ -	$ -	$ -	$ 6,810,000
SS2203 *	Effluent Outfall	$ 150,000	$ 1,000,000	$ 2,000,000	$ -	$ -	$ 3,150,000
SS2201	Sanitary Sewer Rehabilitation	$ 1,185,000	$ -	$ -	$ -	$ -	$ 1,185,000
SS2101 *	Secondary Clarifier Rehabilitation	$ 425,000	$ -	$ -	$ -	$ -	$ 425,000
SS2002 *	Water Pollution Control Plan Lab Remodel	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
SS1702	Sewer Pump Station Rehabilitation	$ 100,000	$ 2,760,000	$ 4,440,000	$ -	$ -	$ 7,300,000
STORMWATER							
PRJ #	**PROJECT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
SW2401	Storm Drain Creek Discharge Improvements	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 600,000
SW2001	Roble Road Storm Drainage Improvements	$ 700,000	$ -	$ -	$ -	$ -	$ 700,000
STREETS & ROADS							
PRJ #	**PROJECT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
RO2404	Crosswalk Tennent Ave at Prune St	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000
RO2403	Old Town Traffic Calming	$ 20,000	$ 550,000	$ -	$ -	$ -	$ 570,000
RO2402	Sidewalk Rehabilitation Program	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000
RO2401	Road Maintenance Repairs	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 1,750,000
RO2303	Pinole Smart Signals	$ 154,302	$ -	$ -	$ -	$ -	$ 154,302
RO2302	Safety Improvements on Arterial Roadways	$ 275,000	$ -	$ -	$ -	$ -	$ 275,000
RO2301	Road Rehabilitation	$ 750,000	$ 750,000	$ -	$ -	$ -	$ 1,500,000
RO2107	Brandt St. Improvements	$ -	$ 170,000	$ -	$ -	$ -	$ 170,000
RO2102	Tennent Ave Rehabilitation	$ 20,000	$ 735,000	$ -	$ -	$ -	$ 755,000
RO2101	Arterial Rehabilitation	$ 1,990,000	$ -	$ -	$ -	$ -	$ 1,990,000
RO1902	Pedestrian Improvements at Tennent Ave. Near RXR	$ 515,000	$ 905,000	$ -	$ -	$ -	$ 1,420,000
RO1710	San Pablo Avenue Bride Over BNSF Railroad	$ 1,974,162	$ 28,800,000	$ -	$ -	$ -	$ 30,774,162
RO1708	Pinole Valley Road Improvements	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
INFRASTRUCTURE ASSESSMENTS							
PRJ #	**ASSESSMENT**	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**5-Year Total**
IN2301	Facilities & Real Estate Master Plan	$ -	$ -	$ 75,000	$ -	$ -	$ 75,000
IN2105	Appian Way Complete Streets	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
IN2103	Recycled Water Feasibility	$ 60,000	$ -	$ -	$ -	$ -	$ 60,000
IN2101	Emergency Power for Critical Facilities	$ 30,000	$ 170,000	$ -	$ -	$ -	$ 200,000
IN1703	Storm Drain Master Plan	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000
	Uses by Project Total	**$19,408,464**	**$38,510,000**	**$8,390,000**	**$5,465,000**	**$3,305,000**	**$75,078,464**

LEGEND:
- Project numbers: **FA** = Facilities; **PA** = Parks; **SS** = Sanitary Sewer; **SW** = Storm Water; **RO** = Streets & Roads; **IN** = Infrastructure Assessments

* Project cost to be split 50% with the City of Hercules

PROJECT DESCRIPTION SHEETS

FA2401 - TINY TOTS FLOORING AND PAINTING

Functional Area : Facilities			**Project Origin :** Staff Recommendation			**Priority Score :**	42
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New / Expansion / Replacement / Renovation / Land/Row Acq. Required / X Rehabilitation		**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 50,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Pinole Tiny Tots interior and exterior facility maintenance including flooring and painting. Replacement of existing carpeted areas in the main room with new carpet or carpet tiles and replacement of existing vinyl linoleum with a waterproof plank vinyl in the snack area and craft/play areas. Exterior siding, eaves, and trim repairs and painting. Interior office, main room, kitchen, and restrooms painting.

History, Status, or Impact if Delayed

The current carpeting and vinyl linoleum flooring are in need of replacement. The carpeted areas are worn and also contain many raised areas that create a tripping hazard. The current exterior and interior paint is from approximately 20 years ago and shows discoloration, fading, chipping, and weathering.

General Plan Goals/Policies

Goal CS.1, Policy CS.1.1; Goal CS.3, Policy CS.3.1

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 50,000					$ 50,000
Contingency						
TOTAL USES	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**
SOURCE(S)						
106 - Measure S 2014	$ 50,000					$ 50,000
TOTAL FUNDS	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**

FA2302 - PLUM ST. PARKING LOT IMPROVEMENTS

Functional Area : Facilities			**Project Origin :** Staff Recommendation			**Priority Score :**	12
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [ ] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[ ] Expansion [X] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ -**	**$ 80,000**	**$ -**	**$ -**	**$ -**	**$ 80,000**
Project Start	7/1/2024					**Estimated Completion**	6/30/2025

Description

To provide a secure parking area for Police vehicles in the Plum St. parking lot. The parking lot will remain open for the public. A portion of the parking lot, approximately 25 spaces will be secured with a chain-link fence with security gates for Police vehicles. The layout of the parking lot is in the preliminary design phase.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.2, Policy CS.2.6; Goal CE.5

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design		$ 7,950				$ 7,950
Construction		$ 65,500				$ 65,500
Contingency		$ 6,550				$ 6,550
TOTAL USES	**$ -**	**$ 80,000**	**$ -**	**$ -**	**$ -**	**$ 80,000**
SOURCE(S)						
276 - Growth Impact Fees		$ 80,000				$ 80,000
TOTAL FUNDS	**$ -**	**$ 80,000**	**$ -**	**$ -**	**$ -**	**$ 80,000**

FA2301 - PUBLIC SAFETY BUILDING MODERNIZATION

Functional Area : Facilities			**Project Origin :** Staff Recommendation			**Priority Score :**	34
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New Replacement Land/Row Acq. Required Rehabilitation	Expansion X Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 300,000.00**	**$ 350,000**	**$ -**	**$ -**	**$ -**	**$ 650,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

To extend the useful life of the Public Safety building, there are several items that require attention including but not limited to replacement of the HVAC system, carpet, flooring, water heaters, light fixtures, fans, etc. In addition, the building requires painting (interior and exterior), and the locker rooms also require renovation.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.2, Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design		$ 50,000				$ 50,000
Construction	$ 270,000	$ 270,000				$ 540,000
Contingency	$ 30,000	$ 30,000				$ 60,000
TOTAL USES	**$ 300,000**	**$ 350,000**	**$ -**	**$ -**	**$ -**	**$ 650,000**
SOURCE(S)						
106 - Measure S 2014	$ 85,000	$ 350,000				$ 435,000
276 - Growth Impact Fees	$ 215,000					$ 215,000
TOTAL FUNDS	**$ 300,000**	**$ 350,000**	**$ -**	**$ -**	**$ -**	**$ 650,000**

FA2202 - SENIOR CENTER MODERNIZATION

Functional Area : Facilities			**Project Origin :** Staff Recommendation			**Priority Score :**	37
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New Replacement Land/Row Acq. Required Rehabilitation	Expansion X Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ 7,895.96	**$ 250,000.00**	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ 357,896**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The project includes a facilities condition assessment and design and construction of improvements to modernize the existing Senior Center building located at 2525 Charles Avenue. Work will include upgrades to energy system, and interior renovations.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 230,000	$ 90,000				$ 320,000
Contingency	$ 20,000	$ 10,000				$ 30,000
TOTAL USES	**$ 250,000**	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ 350,000**
SOURCE(S)						
106 - Measure S 2014	$ 105,000	$ 100,000				$ 205,000
276 - Growth Impact Fees	$ 145,000					$ 145,000
TOTAL FUNDS	**$ 250,000**	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ 350,000**

FA1901 - SENIOR CENTER AUXILIARY PARKING LOT

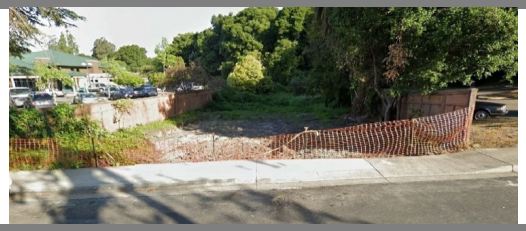
Functional Area : Facilities | **Project Origin :** Fowler Lot Re-Use Committee | **Priority Score :**

Type of CIP		Budget	Unappropriated Subsequent Years				
New / X Expansion / Replacement / Renovation / Land/Row Acq. Required / Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ 126,655.00	**$ 1,060,000.00**	**$ 470,000**	**$ -**	**$ -**	**$ -**	**$ 1,656,655**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

On February 2, 2021 City Council adopted Resolution 2021-07 and awarded a contract to a consultant for the preliminary engineering and design for the parking lot. The parking lot will be designed to be a multi-benefit project that includes pavement structural section, striping, lighting, bicycle parking, electric vehicle charging stations, stormwater capture and retention, and drought tolerant landscaping. The final design will offer the maximum number of parking spaces while allowing access for both vehicles and pedestrians and include aesthetic design components. On June 7, 2022, City Council directed staff to incorporate the installation of a solar canopy and backup battery system at the site.



History, Status, or Impact if Delayed

On April 16, 1990 City Council adopted Resolution 2380 authorizing the purchase of 2548 Charles Street. At the time of purchase, City Council determined that construction of a Senior Center was necessary, and that this property was needed to provide sufficient parking for the Center. The parcel is surrounded by municipal parking lots which serve the Senior Center and Old Town Pinole. The Fowler House tenants remained in the properly till 2010 and many discussions took place to determine the best use of the property. It was determined that the house had asbestos and lead paint. On July 17, 2018, City Council adopted Resolution 2018-67 to create the Fowler Lot Re-use Committee to evaluate the reuse and redevelopment of the property. The Committee evaluated uses for the lot and determined the best use of the property is a parking lot. On October 16, 2018, the City Council adopted Resolution No. 2018-93 to approve a contract with a construction company to abate and demolish the Fowler house. The property demolition was completed on March 11, 2019. On July 21, 2020, City Council adopted Resolution 2020–68 to accept the final recommendation of the Committee.

General Plan Goals/Policies

Goal CE.5, Goal CS.1, Policy GM.4.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 100,000					$ 100,000
Construction	$ 870,000	$ 430,000				$ 1,300,000
Contingency	$ 90,000	$ 40,000				$ 130,000
TOTAL USES	**$ 1,060,000**	**$ 470,000**	**$ -**	**$ -**	**$ -**	**$ 1,530,000**
SOURCE(S)						
105 - Measure S 2006	$ 1,060,000	$ 470,000				$ 1,530,000
TOTAL FUNDS	**$ 1,060,000**	**$ 470,000**	**$ -**	**$ -**	**$ -**	**$ 1,530,000**

FA1703 - CITY HALL MODERNIZATION

Functional Area : Facilities			**Project Origin :** Staff Recommendation			**Priority Score :**	35
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [ ] Expansion [ ] Replacement [X] Renovation [ ] Land/Row Acq. Required [ ] Rehabilitation		**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 400,000.00**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 700,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Interior improvements and exterior painting to extend the life of the City Hall building and improve its functionality for staff and the public. Several items that require attention include but are not limited to the configuration of rooms on the first floor, carpet, flooring, window coverings, light fixtures, and addition of a lactation room. Interior and exterior surfaces require repainting as the paint system has reached the end of its useful life with fading, chipping paint, along with water and mildew damage. Exterior improvements will include replacement of the City seal and addition of a wall-mounted flagpole and multi-color lighting.

History, Status, or Impact if Delayed

Exterior painting is necessary to maintain external protection from the environment.

General Plan Goals/Policies

Policy CS.2.6, Goal CS.1, Policy CS.1.1, Policy SE.1.3

Summary of Capital Cost

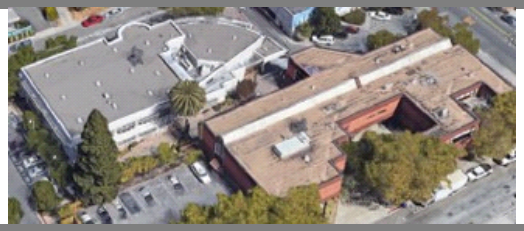
	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 80,000	$ -				$ 80,000
Construction	$ 290,000	$ 270,000				$ 560,000
Contingency	$ 30,000	$ 30,000				$ 60,000
TOTAL USES	**$ 400,000**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 700,000**
SOURCE(S)						
276 - Growth Impact Fees	$ 400,000					$ 400,000
106 - Measure S 2014		$ 300,000				$ 300,000
TOTAL FUNDS	**$ 400,000**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 700,000**

FA1702 - CITYWIDE ROOF REPAIRS AND REPLACEMENT

Functional Area : Facilities			**Project Origin :** End of Life Cycle			**Priority Score :**	43
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
	New / Expansion / X Replacement / Renovation / Land/Row Acq. Required / Rehabilitation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 600,000.00**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 900,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Roof repairs and replacement at four (4) City facilities, the Public Safety Building, City Hall, Senior Center, and Water Pollution Control Plant. In October 2022, City staff received quotes for the rehabilitation of the roofs; it was determined that the Public Safety building roof needs immediate replacement.



History, Status, or Impact if Delayed

In 2015, comprehensive visual roof inspections were completed by a contractor on various City owned facilities. The purpose of the inspection was to identify the extent, if any, of moisture intrusion into the existing roof assemblies, document observed roof system deficiencies, determine the overall condition of the existing roof systems and to estimate the service life of the in-place roof assemblies.

General Plan Goals/Policies

Policy GM.4.1, Goal CS.1, Goal CS.9, Policy CS.9.1

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 60,000	$ -				$ 60,000
Construction	$ 490,000	$ 270,000				$ 760,000
Contingency	$ 50,000	$ 30,000				$ 80,000
TOTAL USES	**$ 600,000**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 900,000**
SOURCE(S)						
106 - Measure S 2014	$ 600,000	$ 300,000				$ 900,000
TOTAL FUNDS	**$ 600,000**	**$ 300,000**	**$ -**	**$ -**	**$ -**	**$ 900,000**

PA2402 - MURAL PRESERVATION

Functional Area : Parks	Project Origin : Council Request	Priority Score :

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
	Replacement						
	Land/Row Acq. Required						
X	Rehabilitation						
Estimated Expenditures To-Date	$ -	$ 20,000	$ 50,000	$ -	$ -	$ -	$ 70,000

Project Start	7/1/2024	Estimated Completion	6/30/2025

Description

Preservation and enhancment of murals in the City

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CC.1, Policy CC.1.3; Goal CC.5, Policy CC.5.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024 - 2029
Planning						
Design						
Construction	$ 20,000	$ 50,000				$ 70,000
Contingency						
TOTAL USES	**$ 20,000**	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ 70,000**
SOURCE(S)						
276 - Growth Impact Fees	$ 20,000	$ 50,000				$ 70,000
TOTAL FUNDS	**$ 20,000**	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ 70,000**

PA2401 - FERNANDEZ PARK IMPROVEMENTS

Functional Area : Parks	Project Origin : Staff Recommendation	Priority Score : 24

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
[ ] New [ ] Expansion							
[ ] Replacement [X] Renovation							
[ ] Land/Row Acq. Required							
[ ] Rehabilitation							
Estimated Expenditures To-Date	$ -	$ 100,000	$ 400,000	$ 400,000	$ -	$ -	$ 900,000

Project Start 7/1/2024 **Estimated Completion** 6/30/2026

Description

Renovations to the baseball field to decrease water and energy usage and increase accessibility and safety.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.1, Policy CS.1.1, Policy CS.1.3; Goal CS.3, Policy CS.3.1; Goal CS.9, Policy CS.9.1, Goal SE.4, Policy SE.4.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024 - 2029
Planning						
Design	$ 70,000	$ 5,000				$ 75,000
Construction	$ 30,000	$ 360,000	$ 360,000			$ 750,000
Contingency		$ 35,000	$ 40,000			$ 75,000
TOTAL USES	**$ 100,000**	**$ 400,000**	**$ 400,000**	**$ -**	**$ -**	**$ 900,000**
SOURCE(S)						
276 - Growth Impact Fees	$ 100,000	$ 400,000	$ 400,000			$ 900,000
TOTAL FUNDS	**$ 100,000**	**$ 400,000**	**$ 400,000**	**$ -**	**$ -**	**$ 900,000**

PA2202 - SKATEPARK REHABILITATION

Functional Area : Parks			**Project Origin :** Council Request			**Priority Score :**	34
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [X] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[ ] Expansion [ ] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ -**	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ 150,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The ramps at the skatepark have settled and need to be replaced.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.2, Goal CS.3, Policy CS 2.6 & 3.1, Policy GM.4.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ -	$ 135,000				$ 135,000
Contingency	$ -	$ 15,000				$ 15,000
TOTAL USES	**$ -**	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ 150,000**
SOURCE(S)						
106 - Measure S 2014	$ -	$ 150,000				$ 150,000
TOTAL FUNDS	**$ -**	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ 150,000**

PA1901 - PINOLE VALLEY PARK SOCCER FIELD REHABILITATION

Functional Area : Parks			**Project Origin :** Council Request			**Priority Score :**	33
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New Replacement Land/Row Acq. Required Rehabilitation	Expansion X Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 200,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 200,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

There are two soccer fields at Pinole Valley Park which are utilized on an annual basis, the Wright Avenue Soccer Field at the southerly end, and Savage Avenue Soccer Field at the northern end. Both fields are heavily used by soccer leagues and the general public. The Savage Avenue Soccer Field requires substantial rehabilitation which includes: upgrading the irrigation system and ongoing turf maintenance. Turf maintenance includes mowing, fertilizing, aeration, overseeding, and topdressing.

History, Status, or Impact if Delayed

This project has been delayed pending the development of a Park Master Plan (CIP Project# SS2401).

General Plan Goals/Policies

Goal CS.1, Goal CS.3, Policy CS 3.1, Policy GM.4.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 180,000					$ 180,000
Contingency	$ 20,000					$ 20,000
TOTAL USES	**$ 200,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 200,000**
SOURCE(S)						
276 - Growth Impact Fees	$ 200,000					$ 200,000
TOTAL FUNDS	**$ 200,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 200,000**

SS2407 - PRIVATE SEWER LATERAL PROGRAM

Functional Area : Sanitary Sewer			**Project Origin :** Staff Recommendation			**Priority Score :**	
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [X] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[ ] Expansion [ ] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures To-Date	$ -	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2029	

Description

Revolving fund to complete private sewer lateral improvements under a reimbursement agreement with residents.

History, Status, or Impact if Delayed

This program will support the City's sewer collection system and treatment plant regulatory compliance through a reduction in flows from infiltration and inflow (I&I). I&I reduction will reduce treatment costs and may reduce the scope of or need for future capacity improvements.

General Plan Goals/Policies

Goals HS.2, Policy HS.2.5; Goal HS.7, Policy HS.7.6; Goal CC.2, Policy CC.2.2

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 150,000					$ 150,000
Contingency						
TOTAL USES	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 150,000					$ 150,000
TOTAL FUNDS	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**

SS2406 - WPCP SOLAR AND BATTERY

Functional Area : Sanitary Sewer			**Project Origin :** Master Plan			**Priority Score :**	56
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
X New Replacement Land/Row Acq. Required Rehabilitation	Expansion Renovation	**Year 1** **FY 2024-25**	**Year 2** **FY 2025-26**	**Year 3** **FY 2026-27**	**Year 4** **FY 2027-28**	**Year 5** **FY 2028-29**	**Project Estimate** **FY 2024 - 2029**
Estimated Expenditures to-date		**$ -**	**$ -**	**$ 175,000**	**$ -**	**$ -**	**$ 175,000**
Project Start	7/1/2026				**Estimated Completion**	6/30/2028	

Description

Planning and design for renewable solar energy generation and battery storage project at the Water Pollution Control Plant (WPCP). Install three (3) photovoltaic (PV) arrays with a total PV capacity of 496 kW: a carport array (50-kW), a ground-mount PV array in the public park area to the southwest of the WPCP (175-kW), and a ground-mount PV array along the northeast perimeter of the WPCP, adjacent to the public pathway that runs along the canal (271-kW). Install a 575 kWh capacity battery energy storage system (BESS), controls, and a 450-kW diesel generator.

History, Status, or Impact if Delayed

In 2024, Tetra Tech prepared an Energy Conservation, Generation, and Storage Assessment study for City facilities which included: 1) evaluation of energy conservation, energy generation, energy storage, and electric vehicle measures and 2) a renewable microgrid analysis to determine the technical and economic feasibility of installing new renewable energy generation systems and battery storage at the Water Pollution Control Plant (WPCP). Recommendations included addition of photovoltaic (PV) panel arrays at three different locations, a battery energy storage system (BESS) and generator. Construction would be completed outside of the 5-year budget window.

General Plan Goals/Policies

Goal CS.6, Policy CS.6.1; Goal SE.3, Policy SE.1.3; Goal CS.7, Policy CS.7.1; Goal GM.4, Policy GM.4.1

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning			$ 10,000			$ 10,000
Design			$ 165,000			$ 165,000
Construction						
Contingency						
TOTAL USES	**$ -**	**$ -**	**$ 175,000**	**$ -**	**$ -**	**$ 175,000**
SOURCE(S)						
500 - Sewer Enterprise Fund			$ 175,000	$ -		$ 175,000
TOTAL FUNDS	**$ -**	**$ -**	**$ 175,000**	**$ -**	**$ -**	**$ 175,000**

SS2405 - LOWER TENNENT TRUNK SEWER CAPACITY

Functional Area : Sanitary Sewer | **Project Origin :** Master Plan | **Priority Score :** 59

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
X	Replacement						
	Land/Row Acq. Required						
	Rehabilitation						
X	Expansion						
	Renovation						
Estimated Expenditures to-date		$ -	$ -	$ 170,000	$ 3,880,000.00	$ -	$ 4,050,000

Project Start 7/1/2026 | **Estimated Completion** 6/30/2028

Description

Tennent-1 improvements as identified in the Sanitary Sewer Collection System Master Plan. This project includes the replacement of approximately 130 feet of 24-inch diameter pipeline, 1,250 feet of 30-inch diameter pipeline, and 10 feet of 36-inch diameter pipeline along Tennent Avenue and inside of the Water Pollution Control Plant (WPCP) with 1,390 feet of 36-inch to 42-inch diameter pipeline.

History, Status, or Impact if Delayed

The Sanitary Sewer Collection System Master plan identified capacity deficiencies which result in surcharging of the gravity sewer and cause sanitary sewer overflows (SSO's) during modeled peak wet weather flow (PWWF) conditions.

General Plan Goals/Policies

Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1

Summary of Capital Cost

USE(S)	Budget FY 2024-25	Projected Budget FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Project Estimate FY 2024 - 2029
Planning						
Design			$ 170,000	$ 170,000		$ 340,000
Construction				$ 3,370,000		$ 3,370,000
Contingency				$ 340,000		$ 340,000
TOTAL USES	**$ -**	**$ -**	**$ 170,000**	**$ 3,880,000**	**$ -**	**$ 4,050,000**
SOURCE(S)						
500 - Sewer Enterprise Fund			$ 170,000	$ 3,880,000		$ 4,050,000
TOTAL FUNDS	**$ -**	**$ -**	**$ 170,000**	**$ 3,880,000**	**$ -**	**$ 4,050,000**

SS2404 - WPCP BOILER REPLACEMENT

Functional Area : Sanitary Sewer | **Project Origin :** End of Life Cycle | **Priority Score :** 57

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
X	Replacement						
	Land/Row Acq. Required						
	Rehabilitation						
	Expansion						
	Renovation						
Estimated Expenditures to-date		$ -	$ -	$ 660,000	$ -	$ -	$ 660,000

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

This project includes replacement of the anaerobic digester process boilers at the WPCP.

History, Status, or Impact if Delayed

The anaerobic digestion process at the WPCP includes hot water boilers to heat water for use in the digester sludge heat exchanger. Two 40 HP Natural Gas Scotch Boilers, manufactured by Hurst Boiler & Welding Co., Inc. were installed in 2006 during the Anaerobic Digester Improvements project.

General Plan Goals/Policies

Goal CS.1, Goal CS.6, Policy CS.6.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction			$ 600,000			$ 600,000
Contingency			$ 60,000			$ 60,000
TOTAL USES	**$ -**	**$ -**	**$ 660,000**	**$ -**	**$ -**	**$ 660,000**
SOURCE(S)						
500 - Sewer Enterprise Fund			$ 660,000			$ 660,000
TOTAL FUNDS	**$ -**	**$ -**	**$ 660,000**	**$ -**	**$ -**	**$ 660,000**

SS2403 - WPCP CENTRIFUGE REPLACEMENT

Functional Area : Sanitary Sewer | **Project Origin :** End of Life Cycle | **Priority Score :** 57

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
X	Replacement						
	Land/Row Acq. Required						
	Rehabilitation						
	Expansion						
	Renovation						
Estimated Expenditures to-date		$ -	$ -	$ -	$ 990,000.00	$ -	$ 990,000

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

This project includes replacement of a dewatering centrifuge at the WPCP.

History, Status, or Impact if Delayed

The solids handling process at the WPCP includes solids dewatering using centrifuges. One of two centrifuges at the WPCP was originally installed in 2006 and reused and relocated to the Solids Handling Building during the plant upgrades completed in 2019. The centrifuge is an Alfa Laval, Aldec G2-95 unit.

General Plan Goals/Policies

Goal CS.1, Goal CS.6, Policy CS.6.1

Summary of Capital Cost

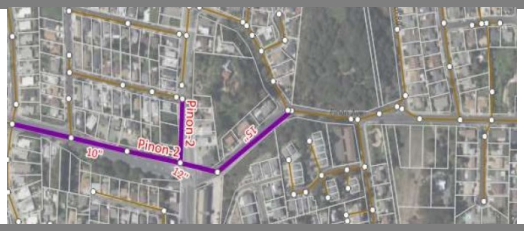
	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction				$ 900,000		$ 900,000
Contingency				$ 90,000		$ 90,000
TOTAL USES	**$ -**	**$ -**	**$ -**	**$ 990,000**	**$ -**	**$ 990,000**
SOURCE(S)						
500 - Sewer Enterprise Fund				$ 990,000		$ 990,000
TOTAL FUNDS	**$ -**	**$ -**	**$ -**	**$ 990,000**	**$ -**	**$ 990,000**

SS2402 - PINON-2 SEWER CAPACITY

Functional Area : Sanitary Sewer		**Project Origin :** Master Plan			**Priority Score :**	59
Type of CIP	**Budget**	**Unappropriated Subsequent Years**				
[ ] New [X] Expansion [X] Replacement [ ] Renovation [ ] Land/Row Acq. Required [ ] Rehabilitation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date $ -	**$ -**	**$ -**	**$ -**	**$ 125,000.00**	**$ 2,835,000.00**	**$ 2,960,000**
Project Start 7/1/2024				**Estimated Completion** 6/30/2025		

Description

Pinon-2 improvements as identified in the Sanitary Sewer Collection System Master Plan. This project includes the replacement of approximately 820 feet of 6-inch to 10-inch diameter pipeline along San Pablo Avenue, 680 feet of 8-inch to 10-inch diameter pipeline along Pinon Avenue, 890 feet of 6-inch to 8-inch diameter pipeline along Appian Way, 290 feet of 6-inch diameter pipeline along Meadow Avenue, and 290 feet of 6-inch diameter pipeline between Meadow Avenue and San Pablo Avenue with 2,970 feet of 10-inch to 15-inch diameter pipelines.



History, Status, or Impact if Delayed

The Sanitary Sewer Collection System Master plan identified capacity deficiencies which result in surcharging of the gravity sewer and cause sanitary sewer overflows (SSO's) during modeled peak wet weather flow (PWWF) conditions.

General Plan Goals/Policies

Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design				$ 125,000	$ 125,000	$ 250,000
Construction					$ 2,460,000	$ 2,460,000
Contingency					$ 250,000	$ 250,000
TOTAL USES	**$ -**	**$ -**	**$ -**	**$ 125,000**	**$ 2,835,000**	**$ 2,960,000**
SOURCE(S)						
500 - Sewer Enterprise Fund				$ 125,000	$ 2,835,000	$ 2,960,000
TOTAL FUNDS	**$ -**	**$ -**	**$ -**	**$ 125,000**	**$ 2,835,000**	**$ 2,960,000**

SS2401 - PINON TRUNK SEWER CAPACITY PHASE 2

Functional Area : Sanitary Sewer		**Project Origin :** Regulatory Requirement			**Priority Score :**	59
Type of CIP	**Budget**	**Unappropriated Subsequent Years**				
[ ] New [X] Expansion [X] Replacement [ ] Renovation [ ] Land/Row Acq. Required [ ] Rehabilitation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	**$ 6,810,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6,810,000**
Project Start 7/1/2024				**Estimated Completion** 6/30/2025		

Description

Phase 2 (from Orleans to San Pablo) of the Pinon-1 improvements to the Sanitary Sewer Collection System, as identified in the Sanitary Sewer Collection System Master Plan.

History, Status, or Impact if Delayed

Construction of Phase 2 of the work. Phase 1 construction under SS2201.

General Plan Goals/Policies

Goal CS.6, Policy CS.6.1; Goal GM.4, Policy GM.4.1

2

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 20,000					$ 20,000
Construction	$ 6,170,000					$ 6,170,000
Contingency	$ 620,000					$ 620,000
TOTAL USES	**$ 6,810,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6,810,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 6,810,000	$ -				$ 6,810,000
TOTAL FUNDS	**$ 6,810,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6,810,000**

SS2203 - EFFLUENT OUTFALL

Functional Area : Sanitary Sewer			**Project Origin :** Regulatory Requirement			**Priority Score :**	52
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [ ] Replacement [ ] Land/Row Acq. Required [X] Rehabilitation	[X] Expansion [ ] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 150,000.00**	**$ 1,000,000**	**$ 2,000,000**	**$ -**	**$ -**	**$ 3,150,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The Effluent Outfall project is intended to reduce pressure in the effluent pipe during extreme storm events. Effluent pumping capacity of the treatment plant is limited by the capacity of the pipe size at the effluent outfall in Rodeo. Increasing the pipe size at the Effluent Outfall Eductor Station will increase the wet weather effluent pumping capacity and increase the lifespan of the effluent pipe by reducing the pressure in the line during storm events. This project requires coordination with Rodeo.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.6, Policy CS.6.1; Goal HS.2, Policy HS.2.5; Goal OS.1, Policy OS.1.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 135,000					$ 135,000
Construction		$ 900,000	$ 1,800,000			$ 2,700,000
Contingency	$ 15,000	$ 100,000	$ 200,000			$ 315,000
TOTAL USES	**$ 150,000**	**$ 1,000,000**	**$ 2,000,000**	**$ -**	**$ -**	**$ 3,150,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 150,000	$ 1,000,000	$ 2,000,000			$ 3,150,000
TOTAL FUNDS	**$ 150,000**	**$ 1,000,000**	**$ 2,000,000**	**$ -**	**$ -**	**$ 3,150,000**

SS2201 - SANITARY SEWER REHABILITATION

Functional Area : Sanitary Sewer | **Project Origin :** Regulatory Requirement | **Priority Score :** 57

Type of CIP		Budget	Unappropriated Subsequent Years				
[ ] New [X] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[X] Expansion [ ] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ 345,000.00	**$ 1,185,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,530,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

Phase 1 (Tennent to Orleans) and Phase 2 (Orleans to San Pablo) of the Pinon-1 improvements to the Sanitary Sewer collection system, as identified in the Sanitary Sewer Collection System Master Plan.

History, Status, or Impact if Delayed

On October 4, 2022, City staff released an RFP for preliminary engineering design services for phase 1 of the Pinon project described in the City's recently adopted Sanitary Sewer Master Plan. On January 18, 2023, a one-year contract was executed with West Valley Construction Company, Inc. for the work.

General Plan Goals/Policies

Policy GM.4.1, Goal CS.6, Policy CS.6.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 60,000					$ 60,000
Construction	$ 1,023,900					$ 1,023,900
Contingency	$ 101,100					$ 101,100
TOTAL USES	**$ 1,185,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,185,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 585,000	$ -				$ 585,000
276 - Growth Impact Fees	$ 600,000					$ 600,000
TOTAL FUNDS	**$ 1,185,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,185,000**

SS2101 - SECONDARY CLARIFIER REHABILITATION

Functional Area : Sanitary Sewer			**Project Origin :** End of Life Cycle			**Priority Score :**	46
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New X Replacement Land/Row Acq. Required Rehabilitation	Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 425,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The Water Pollution Control Plant (WPCP) has five secondary clarifiers which slow the flow to allow the microorganisms and other solids to settle to the bottom of the clarifier where they can be returned to aeration tanks to continue treating waste.

History, Status, or Impact if Delayed

Secondary Clarifiers 1 and 2 (SC1 and SC 2) were constructed in the early 1970s and are peripheral feed clarifiers. Secondary Clarifiers 3 and 4 (SC 3 and SC 4) were constructed in the early 1980s and are center feed clarifiers. Secondary Clarifier 5 (SC 5) was constructed in early 2000 and is a center feed, flocculator clarifier. In the first quarter of FY 2022-23, a preliminary inspection of the center column of the SC 5 was completed to examine the current condition and determine the scope of work for rehabilitation. In the second quarter of FY 2022-23, it was determined that SC 3 & SC 4 also require rehabilitation. Previously, this project was titled, "Secondary Clarifier - Center Column Rehabilitation" which only focused on the rehabilitation work required for SC 5.

General Plan Goals/Policies

Goal CS.1, Goal CS.6, Policy CS.6.1

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Design						
Construction SC 5	$ 315,000					$ 315,000
Construction SC 3, SC 4	$ 67,500					$ 67,500
Contingency	$ 42,500					$ 42,500
TOTAL USES	**$ 425,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 425,000					$ 425,000
TOTAL FUNDS	**$ 425,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425,000**

SS2002 - WATER POLLUTION CONTROL PLAN LAB REMODEL

Functional Area : Sanitary Sewer | **Project Origin :** Regulatory Requirement | **Priority Score :** 49

Type of CIP		Budget	Unappropriated Subsequent Years				
[ ] New [ ] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[ ] Expansion [X] Renovation	Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ -	**$ 100,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

The California Environmental Laboratory Accreditation Program (ELAP) is responsible for accrediting environmental testing labs including the Pinole - Hercules WPCP. The 2019 ELAP inspection results indicated the lab apparatus, countertops, and the fume hood are past their useful life and recommended replacement.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy GM.4.1, Goal CS.1, Policy CS.2.6

Summary of Capital Cost

USE(S)	Budget FY 2024-25	Projected Budget FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Project Estimate FY 2024 - 2029
Planning						
Design	$ 6,000					$ 6,000
Construction	$ 85,000					$ 85,000
Contingency	$ 9,000					$ 9,000
TOTAL USES	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 100,000					$ 100,000
TOTAL FUNDS	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

SS1702 - SEWER PUMP STATION REHABILITATION

Functional Area : Sanitary Sewer	Project Origin : End of Life Cycle	Priority Score : 50

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
X	Replacement						
	Land/Row Acq. Required						
	Rehabilitation						
	Expansion						
	Renovation						
Estimated Expenditures to-date	$ -	$ 100,000.00	$ 2,760,000	$ 4,440,000	$ -	$ -	$ 7,300,000

Project Start 7/1/2024 **Estimated Completion** 6/30/2025

Description

The City owns and operates two lift stations to convey flow from low lying areas to high elevations where the flow continues by gravity to the wastewater treatment plant. Both pump stations have reached the end of their useful life and need to be rehabilitated. The two pump stations are located on San Pablo Ave. and Hazel St. In FY 2019/20, this project was renamed to include both pump stations. Previously, this project was titled, "Hazel Street Sewer Pump Rehabilitation." This project also includes the San Pablo Lift Station Force Main, approximately 640 feet of existing 6-inch will be replaced with 8-inch diameter force main.

History, Status, or Impact if Delayed

The City recently completed a Sanitary Sewer Master Plan. In the first fiscal year of construction, the Hazel Street Lift Station will be replaced, followed by the replacement of the San Pablo Ave. Lift Station. The Hazel Street Lift Station will be replaced in coordination with RO2301.

General Plan Goals/Policies

Policy GM.4.1, Goal CS.6, Policy CS.6.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024 - 2029
Planning	$ 100,000					$ 100,000
Design		$ 230,000	$ 370,000			$ 600,000
Construction		$ 2,300,000	$ 3,700,000			$ 6,000,000
Contingency		$ 230,000	$ 370,000			$ 600,000
TOTAL USES	**$ 100,000**	**$ 2,760,000**	**$ 4,440,000**	**$ -**	**$ -**	**$ 7,300,000**
SOURCE(S)						
500 - Sewer Enterprise Fund	$ 100,000	$ 2,760,000	$ 4,440,000			$ 7,300,000
TOTAL FUNDS	**$ 100,000**	**$ 2,760,000**	**$ 4,440,000**	**$ -**	**$ -**	**$ 7,300,000**

SW2401 - STORM DRAIN CREEK DISCHARGE IMPROVEMENTS

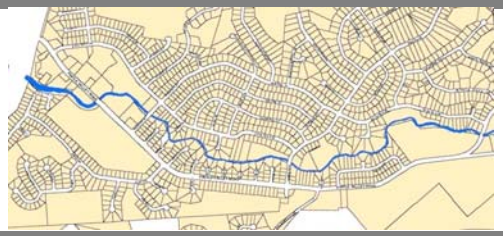
Functional Area : Stormwater | **Project Origin :** End of Life Cycle | **Priority Score :**

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
	Expansion						
	Replacement						
	Renovation						
	Land/Row Acq. Required						
X	Rehabilitation						
Estimated Expenditures to-date	$ -	$ 120,000.00	$ 120,000	$ 120,000	$ 120,000.00	$ 120,000.00	$ 600,000

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

Condition assessments have identified a number of storm drain pipelines that are structurally deteriorated and failing where they discharge into Pinole Creek. A systematic rehabilitation or replacement of failing storm drain infrastructure will be prioritized as part of the Storm Drain Master Plan.



History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.7, Policy CS.7.1; Goals OS.1, Policy OS.1.2; Goal CC.2, Policy CC.2.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 100,000
Construction	$ 90,000	$ 90,000	$ 90,000	$ 90,000	$ 90,000	$ 450,000
Contingency	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
TOTAL USES	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 600,000**
SOURCE(S)						
106 - Measure S 2014	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 600,000
TOTAL FUNDS	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 120,000**	**$ 600,000**

SW2001 - ROBLE ROAD STORM DRAINAGE IMPROVEMENTS

Functional Area : Stormwater | **Project Origin :** Staff Recommendation | **Priority Score :** 33

Type of CIP		Budget	Unappropriated Subsequent Years				
[ ] New [ ] Replacement [ ] Land/Row Acq. Required [ ] Rehabilitation	[X] Expansion [ ] Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 700,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 700,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

The existing system appears to have capacity issues at Roble Ave. and Encina Ave. that warrant review and upgrade. This project will assess the collection system for capacity and hydraulic profile and upgrade the system as necessary.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy GM.4.1, Goal CS.7, Policy CS.7.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 135,000					$ 135,000
Construction	$ 500,000					$ 500,000
Contingency	$ 65,000					$ 65,000
TOTAL USES	**$ 700,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 700,000**
SOURCE(S)						
106 - Measure S 2014	$ 700,000					$ 700,000
TOTAL FUNDS	**$ 700,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 700,000**

RO2404 - CROSSWALK TENNENT AVE AT PRUNE ST

Functional Area : Streets & Roads | **Project Origin :** Council Request | **Priority Score :** 65

Type of CIP		Budget	Unappropriated Subsequent Years				
X New Replacement Land/Row Acq. Required Rehabilitation	Expansion Renovation	Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures To-Date	$ -	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

High visibility crosswalks Tennent Ave at Prune St

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CS.10, Policy CS.10.2; Goal SE.8, Policy SE.8.8; Goal HS.6, Policy HS.6.1; Goal CE.4; Goal CS.2, Policy CS.2.6

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 5,000					$ 5,000
Construction	$ 45,000					$ 45,000
Contingency						
TOTAL USES	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**
SOURCE(S)						
106 - Measure S 2014	$ 50,000					$ 50,000
TOTAL FUNDS	**$ 50,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 50,000**

RO2403 - OLD TOWN TRAFFIC CALMING

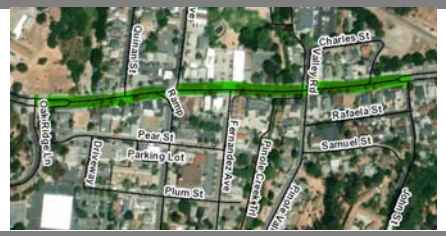
Functional Area : Streets & Roads | **Project Origin :** Council Request | **Priority Score :** 58

Type of CIP		Budget	Unappropriated Subsequent Years				
X New Replacement Land/Row Acq. Required Rehabilitation	Expansion Renovation	Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures To-Date	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Project Start 7/1/2024 | **Estimated Completion** 6/30/2026

Description

Assess feasibility of and alternatives for, and design and construct traffic calming measures on San Pablo Avenue between John St and Oak Ridge Rd. Consider addition of overhead decorative lighting on San Pablo Ave in the Old Town Area.



History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal GM.2, Policy GM.3.3, Policy GM.3.7; Goal SE.8, Policy SE.8.7; Goal CE.1, Policy CE.1.4; Goal CE.3, Policy CE.3.2; Goal CE.4, Policy CE.4.5; Goal CE.5; Goal CS.10, Policy CS.10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning	$ 20,000					$ 20,000
Design		$ 35,000				$ 35,000
Construction		$ 465,000				$ 465,000
Contingency		$ 50,000				$ 50,000
TOTAL USES	**$ 20,000**	**$ 550,000**	**$ -**	**$ -**	**$ -**	**$ 570,000**
SOURCE(S)						
325 - City Street Improvements	$ 20,000	$ 35,000				$ 55,000
Unfunded		$ 515,000				$ 515,000
TOTAL FUNDS	**$ 20,000**	**$ 550,000**	**$ -**	**$ -**	**$ -**	**$ 570,000**

RO2402 - SIDEWALK REHABILITATION PROGRAM

Functional Area : Streets & Roads		**Project Origin :** Staff Recommendation			**Priority Score :**	49
Type of CIP	**Budget**	**Unappropriated Subsequent Years**				
[ ] New [ ] Expansion [ ] Replacement [X] Renovation [ ] Land/Row Acq. Required [ ] Rehabilitation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	**$ 150,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**
Project Start 7/1/2024				**Estimated Completion** 6/30/2025		

Description

This project involves removing barriers to accessibility for persons using wheelchairs or other personal assistance devices and improving pedestrian accessibility and safety by reconstructing or upgrading curb ramps at various locations throughout the City.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CE.4, Policy CE.4.5; Goal SE.8, Policy SE.8.7; Goal CE.1, Policy CE.1.4; Goal CE.3, Policy CE.3.2; Goal CS.2, Policy CS.2.6; Goal CS.10, Policy CS 10.2; Goal H.3, Policy H.3.1; Goal GM.3, Policy GM.3.7; Goal HS.6, Policy HS.6.1

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 135,000					$ 135,000
Contingency	$ 15,000					$ 15,000
TOTAL USES	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**
SOURCE(S)						
106 - Measure S 2014	$ 150,000					$ 150,000
TOTAL FUNDS	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**

RO2401 - ROAD MAINTENANCE REPAIRS

Functional Area : Streets & Roads | **Project Origin :** Staff Recommendation | **Priority Score :** 69

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
	Expansion						
	Replacement						
	Renovation						
	Land/Row Acq. Required						
X	Rehabilitation						
Estimated Expenditures to-date	$ -	$ 350,000.00	$ 350,000	$ 350,000	$ 350,000.00	$ 350,000.00	$ 1,750,000

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

Road repair and rehabilitation at various locations. The primary focus of this project is dig out repairs on major arterials and collectors.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CE.3, Policy CE.3.2; Policy GM.3.3, Goal CS.10, Policy CS 10.2; Goal CE.7; Goal SE.8, Policy SE.8.7

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024 - 2029
Planning						
Design	$ -					
Construction	$ 320,000	$ 320,000	$ 320,000	$ 320,000	$ 320,000	$ 1,600,000
Contingency	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
TOTAL USES	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 1,750,000**
SOURCE(S)						
105 - Measure S 2006	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 1,750,000
TOTAL FUNDS	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 350,000**	**$ 1,750,000**

RO2303 - PINOLE SMART SIGNALS

Functional Area : Streets & Roads			**Project Origin :** Staff Recommendation			**Priority Score :**	33
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
X New Replacement Land/Row Acq. Required Rehabilitation	Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 154,302.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 154,302**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The Smart Signals project will develop, manage, and implement ITS initiatives that improve the safety and efficiency of multimodal mobility, maximize highway and arterial system throughput, and improve operational efficiency, safety, and reduce environmental impact throughout Contra Costa County. Contra Costa Tranportation Authority is the project lead and will coordinate the project throughout the county. Twelve traffic signals have been identified as candidates for the Smart Signals project. These signals are located on Pinole arterial roadways (Appian Way & San Pablo Avenue).

History, Status, or Impact if Delayed

Deployment of the Smart Signals Project is expected to result in operational and safety improvements for all modes of transportation, such as decrease in travel time and total delay, reduction in number of stops and secondary accidents, reduction of fuel consumption and greenhouse gas emissions, and reduction of response time for emergency vehicles. The initial cost estimate of construction is $1,499,829 of which CCTA will receive $1,345,527 in OBAG funds. The City's match requirement is $154,302.

General Plan Goals/Policies

Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 154,302					$ 154,302
Contingency						
TOTAL USES	**$ 154,302**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 154,302**
SOURCE(S)						
106 - Measure S 2014	$ 154,302					$ 154,302
TOTAL FUNDS	**$ 154,302**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 154,302**

RO2302 - SAFETY IMPROVEMENTS ON ARTERIAL ROADWAYS

Functional Area : Streets & Roads			**Project Origin :** Staff Recommendation		**Priority Score :**	38
Type of CIP	**Budget**	**Unappropriated Subsequent Years**				
X New Replacement Land/Row Acq. Required Rehabilitation Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date $ -	**$ 275,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 275,000**
Project Start 7/1/2024				**Estimated Completion** 6/30/2025		

Description

This project will install pedestrian crossing enhancements at three mid-block crossings on arterial roadways. The enhancements include continental markings, median refuge islands, advanced stop bars and Rectangular Rapid Flash Beacons. The three mid-block crossings are: San Pablo Ave. & Third Ave.; San Pablo Ave. & Quinan St.; and Pinole Valley Road & Savage Ave.

History, Status, or Impact if Delayed

Funding for improvements was secured through Cycle 11 HSIP grant funds.

General Plan Goals/Policies

Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design						
Construction	$ 265,000					$ 265,000
Contingency	$ 10,000					$ 10,000
TOTAL USES	**$ 275,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 275,000**
SOURCE(S)						
215 - Grant: HSIP	$ 239,040					$ 239,040
106 - Measure S 2014	$ 35,960					$ 35,960
TOTAL FUNDS	**$ 275,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 275,000**

RO2301 - ROAD REHABILITATION

Functional Area : Streets & Roads			**Project Origin :** Pavement Management Program			**Priority Score :**	34
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New / Expansion / Replacement / Renovation / Land/Row Acq. Required / X Rehabilitation		**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ 750,000.00**	**$ 750,000**	**$ -**	**$ -**	**$ -**	**$ 1,500,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Based on the most current P-TAP report and field inspections, various segments will be recommended annually for rehabilitation. Recommended treatment include patch paving, slurry seal, cape seal, mill and fill.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 65,000	$ 60,000				$ 125,000
Construction	$ 620,000	$ 630,000				$ 1,250,000
Contingency	$ 65,000	$ 60,000				$ 125,000
TOTAL USES	**$ 750,000**	**$ 750,000**	**$ -**	**$ -**	**$ -**	**$ 1,500,000**
SOURCE(S)						
325 - City Street Improvements	$ 750,000	$ 750,000				$ 1,500,000
TOTAL FUNDS	**$ 750,000**	**$ 750,000**	**$ -**	**$ -**	**$ -**	**$ 1,500,000**

RO2107 - BRANDT ST. IMPROVEMENTS

Functional Area : Streets & Roads			**Project Origin :** Council Request			**Priority Score :**	27
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New Replacement Land/Row Acq. Required X Rehabilitation	Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ -	**$ -**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 170,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Provide improvements on Brandt St. including application of pavement treatments based on type and severity of distresses on existing pavement.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Goal CE.4, Goal CS.10, Policy CS.10.2, Policy GM.3.3, Goal CS.10

Summary of Capital Cost

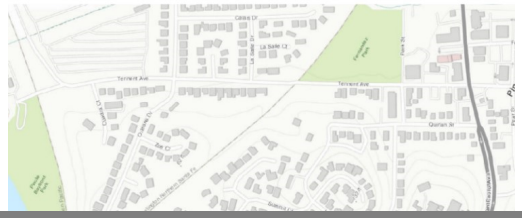
	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design		$ 30,000				$ 30,000
Construction		$ 120,000				$ 120,000
Contingency		$ 20,000				$ 20,000
TOTAL USES	**$ -**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 170,000**
SOURCE(S)						
100 - General Fund		$ 170,000				$ 170,000
TOTAL FUNDS	**$ -**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 170,000**

RO2102 - TENNENT AVE REHABILITATION

Functional Area : Streets & Roads			**Project Origin :** Pavement Management Program			**Priority Score :**	43
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
New Replacement Land/Row Acq. Required X Rehabilitation	Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ 37,805.00	**$ 20,000.00**	**$ 735,000**	**$ -**	**$ -**	**$ -**	**$ 792,805**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The construction impacts from the WPCP upgrade project resulted in pavement deterioration. This project will rehabilitate Tennent Ave. from San Pablo Ave. to WPCP. In February 2021, the City selected a consultant to complete the preliminary engineering for this project.



History, Status, or Impact if Delayed

In preparation of this project, the City retained a consultant to perform internal CCTV on this section of roadway. The inspection was completed in early 2021. Coordinating collection system improvements with street resurfacing projects ensures that sewer improvements are made prior to the resurfacing so that manholes and valve covers may be properly realigned, and repairs and replacements are made in a cost-effective manner. This also avoids cutting and patching recently paved streets. The City of Hercules will reimburse $86,430 for this project. In addition, this project is being coordinated with RO1902 for efficient implementation.

General Plan Goals/Policies

Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 20,000	$ 80,000				$ 100,000
Construction		$ 623,000				$ 623,000
Contingency		$ 32,000				$ 32,000
TOTAL USES	**$ 20,000**	**$ 735,000**	**$ -**	**$ -**	**$ -**	**$ 755,000**
SOURCE(S)						
200 - Gas Tax		$ 381,082				$ 381,082
500 - Sewer Enterprise Fund	$ 20,000	$ 87,411				$ 107,411
325 - City Street Improvements		$ 266,507				$ 266,507
TOTAL FUNDS	**$ 20,000**	**$ 735,000**	**$ -**	**$ -**	**$ -**	**$ 755,000**

RO2101 - ARTERIAL REHABILITATION

Functional Area : Streets & Roads | **Project Origin :** Pavement Management Program | **Priority Score :** 37

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
	Replacement						
	Land/Row Acq. Required						
X	Rehabilitation						
	Expansion						
	Renovation						
Estimated Expenditures to-date	$ 58,480.00	**$ 1,990,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,048,480**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

The project is currently in the design phase and aims to maximize the funding available to complete rehabilitation work beginning at the southern city limit on Pinole Valley Road to the bridge west of Savage Ave. The project will include replacement, modification, or installation of a ADA compliant curb ramps, road rehabilitation, and striping.

History, Status, or Impact if Delayed

Based on the 2019 P-TAP report, various segments were recommended for treatment by StreetSaver®. The recommendations were further validated through a comparative pavement analysis and coring samples to explore additional treatment options which are not discussed in the P-TAP report. This will allow the City to optimize the available funding. The section of roadway selected based on the analysis was Pinole Valley Road from the southern city limits.

General Plan Goals/Policies

Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 10,000					$ 10,000
Construction	$ 1,800,000					$ 1,800,000
Contingency	$ 180,000					$ 180,000
TOTAL USES	**$ 1,990,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,990,000**
SOURCE(S)						
200 - Gas Tax	$ 1,095,000					$ 1,095,000
377 - Arterial Streets Rehabilitation	$ 895,000					$ 895,000
TOTAL FUNDS	**$ 1,990,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,990,000**

RO1902 - PEDESTRIAN IMPROVEMENTS AT TENNENT AVE. NEAR RXR

Functional Area : Streets & Roads			**Project Origin :** Staff Recommendation		**Priority Score :**	50
Type of CIP	**Budget**	**Unappropriated Subsequent Years**				
X New Replacement Land/Row Acq. Required Rehabilitation Expansion Renovation	**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date $ 55,300.00	**$ 515,000.00**	**$ 905,000**	**$ -**	**$ -**	**$ -**	**$ 1,475,300**
Project Start 7/1/2024				**Estimated Completion** 6/30/2025		

Description

In 2018, the East Bay Regional Park District completed a trail link to connect Pinole Shores Regional Shoreline to Bayfront Park trail. There remains one very small gap on Tennent Ave. from Bayfront Park to Railroad Ave. Improvements to Tennent Ave. at the Railroad Crossing will facilitate safe movement of bicycles and pedestrians. Since project inception, the scope of work has evolved to include improvements that would maximize parking on Railroad Avenue for park users. In February 2021, the City selected a consultant to complete the preliminary engineering for this project.

History, Status, or Impact if Delayed

WCCTAC held its STMP Call for Projects in 2018 which committed $100k in funding for preliminary engineering from the 2006 STMP program for this project. City staff also submitted an OBAG 3 application in July 2022 to compete for funding for this project. If awarded, the City will need a match of $345k.

General Plan Goals/Policies

Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 45,000					$ 45,000
Construction	$ 425,000	$ 825,000				$ 1,250,000
Contingency	$ 45,000	$ 80,000				$ 125,000
TOTAL USES	**$ 515,000**	**$ 905,000**	**$ -**	**$ -**	**$ -**	**$ 1,420,000**
SOURCE(S)						
325 - Grant: STMP Fees	$ 51,000	$ 99,000				$ 150,000
215 - Grant: OBAG	$ 464,000	$ 556,000				$ 1,020,000
106 - Measure S 2014		$ 250,000				$ 250,000
TOTAL FUNDS	**$ 515,000**	**$ 905,000**	**$ -**	**$ -**	**$ -**	**$ 1,420,000**

RO1710 - SAN PABLO AVENUE BRIDE OVER BNSF RAILROAD

Functional Area : Streets & Roads			**Project Origin :** End of Life Cycle			**Priority Score :**	55
Type of CIP		**Budget**	**Unappropriated Subsequent Years**				
[ ] New [ ] Expansion [X] Replacement [ ] Renovation [ ] Land/Row Acq. Required [ ] Rehabilitation		**Year 1 FY 2024-25**	**Year 2 FY 2025-26**	**Year 3 FY 2026-27**	**Year 4 FY 2027-28**	**Year 5 FY 2028-29**	**Project Estimate FY 2024 - 2029**
Estimated Expenditures to-date	$ 1,110,737.00	**$ 1,974,162.00**	**$ 28,800,000**	**$ -**	**$ -**	**$ -**	**$ 31,884,899**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

The San Pablo Avenue bridge over the Burlington Northern Santa Fe Railroad is an integral part of the area's transportation network. The age and condition assessment of the bridge supports replacement. The City was approved for initial funding from the Caltrans Highway Bridge Program (HBP). In February 2020, the City awarded a contract to a consultant for preliminary engineering (PE) to advance the project. The PE will be completed in two phases due to funding limitations. Completion of preliminary design is necessary to develop a final cost estimate for the project. Unfunded portions of this project appear in the Unfunded list.

History, Status, or Impact if Delayed

The total budget identified to complete the PE exceeds the amount of funding Caltrans committed to the project of the State's share in the current HBP. In October 2022, a draft type selection report was submitted to Caltrans for review. This report is the first step to request additional funding allocations from the Caltrans HBP to complete the PS&E phase and construction phase of the project.

General Plan Goals/Policies

Policy CS.3.3, Goal H.3, Policy H.3.1, Goal CE.3, Goal CE. 7, Policy CE.7.3, Goal CS.10.

Summary of Capital Cost

	Budget	**Projected Budget**				**Project Estimate**
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Project Management	$ 133,579	$ 4,150,000				$ 4,283,579
Planning & Design	$ 1,840,583					$ 1,840,583
Construction	-	$ 24,650,000				$ 24,650,000
Contingency	-					
TOTAL USES	**$ 1,974,162**	**$ 28,800,000**	**$ -**	**$ -**	**$ -**	**$ 30,774,162**
SOURCE(S)						
325 - Grant: HBP	$ 41,394					$ 41,394
325 - Grant: STMP Fees	$ 1,499,189					$ 1,499,189
215 - Grant: TLC	$ 133,579					$ 133,579
106 - Measure S 2014	$ 300,000					$ 300,000
Unfunded		$ 28,800,000				$ 28,800,000
TOTAL FUNDS	**$ 1,974,162**	**$ 28,800,000**	**$ -**	**$ -**	**$ -**	**$ 30,774,162**

RO1708 - PINOLE VALLEY ROAD IMPROVEMENTS

Functional Area : Streets & Roads | **Project Origin :** Council Request | **Priority Score :** 33

Type of CIP		Budget	Unappropriated Subsequent Years				
		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
	New						
	Replacement						
	Land/Row Acq. Required						
X	Rehabilitation						
Estimated Expenditures to-date	$ -	**$ 100,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

Project Start	7/1/2024	**Estimated Completion**	6/30/2025

Description

As part of the high school construction project WCCUSD provided road improvements along the school frontage. Improvements to Pinole Valley Road - from Shea Dr. to Helena Ct. will extend the useful life of the pavement. The existing pavement score is high in this area, so a slurry seal may be the recommended treatment.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 10,000					$ 10,000
Construction	$ 80,000					$ 80,000
Contingency	$ 10,000					$ 10,000
TOTAL USES	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**
SOURCE(S)						
200 - Gas Tax	$ 100,000					$ 100,000
TOTAL FUNDS	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

IN2301 - FACILITIES & REAL ESTATE MASTER PLAN

Functional Area : Infrastructure Assessment | **Project Origin :** Staff Recommendation | **Priority Score :**

Type of CIP		Budget	Unappropriated Subsequent Years				
☐ New ☐ Expansion ☐ Replacement ☐ Renovation ☐ Land/Row Acq. Required ☐ Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ -	**$ -**	**$ -**	**$ 75,000**	**$ -**	**$ -**	**$ 75,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

The facilities master plan will serve as a roadmap for achieving identified strategic objectives to improve service delivery and utilization of real estate and facility assets. The masterplan will serve to aid decision-making on capital improvements for a defined list of City owned facilities and provide information on potential major maintenance needs (e.g., repairs vs. replace) as applicable.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning			$ 75,000			$ 75,000
Design						
Construction						
Contingency						
TOTAL USES	**$ -**	**$ -**	**$ 75,000**	**$ -**	**$ -**	**$ 75,000**
SOURCE(S)						
106 - Measure S 2014			$ 75,000			$ 75,000
TOTAL FUNDS	**$ -**	**$ -**	**$ 75,000**	**$ -**	**$ -**	**$ 75,000**

IN2105 - APPIAN WAY COMPLETE STREETS

Functional Area : Infrastructure Assessment | **Project Origin :** Staff Recommendation | **Priority Score :**

Type of CIP		Budget	Unappropriated Subsequent Years				
New / Expansion / Replacement / Renovation / Land/Row Acq. Required / Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ -	**$ 100,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

Completion of preliminary engineering and design to provide continuous sidewalks and bike lanes along Appian Way beginning from unincorporated El Sobrante to about 1500 lineal feet north of the City limit within Pinole. In December 2021, City Council approved a Cooperative Funding Agreement with WCCTAC to receive STMP funds to complete preliminary design for this project.

History, Status, or Impact if Delayed

This project will connect with the Contra Costa County's project to provide continuous sidewalks and bike lanes along Appian Way from San Pablo Dam Rd. in unincorporated El Sobrante. This project will involve coordination with Contra Costa County. The construction phase of this project is unfunded and appears in the Unfunded and Unprogrammed list.

General Plan Goals/Policies

Policy CE.1.4, Policy CS.2.6, Policy CS.3.3, Policy H.3.1, Policy GM.3.3, Goal CE.3, Goal CS.10, Policy CS 10.2

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 100,000					$ 100,000
Construction						
Contingency						
TOTAL USES	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**
SOURCE(S)						
325 - Grant: STMP Fees	$ 100,000					$ 100,000
TOTAL FUNDS	**$ 100,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,000**

IN2103 - RECYCLED WATER FEASIBILITY

Functional Area : Infrastructure Assessment	Project Origin : Council Request	Priority Score :

Type of CIP		Budget	Unappropriated Subsequent Years				
☐ New ☐ Expansion ☐ Replacement ☐ Renovation ☐ Land/Row Acq. Required ☐ Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ 15,152.25	**$ 60,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 75,152**

Project Start 7/1/2024 **Estimated Completion** 6/30/2025

Description

A feasibility study will allow the City to plan and phase the construction of future recycled water distribution system infrastructure. The study will identify potential recycled water customers, evaluate the quantity, quality, and recycled water distribution system options to address the needs of potential users in surrounding areas, seek opportunities to phase the construction of a recycled water delivery system, and develop planning-level cost options for the phased system.

History, Status, or Impact if Delayed

Recycled water delays or eliminates the need to construct more potable water facilities, sustains the economy with increased water supply reliability, protects the environment, safeguards investments in parks and landscaping with drought proof or drought resistant water supply, and contributes to a green and healthy environment. In 2019, East Bay Municipal Utility District (EBMUD) prepared an Updated Recycled Waster Plan which considered the potential for potable reuse in EBMUD's water service area. The development of a new recycled water supply for the Phillips 66 refinery in Rodeo using effluent from the Pinole-Hercules and Rodeo wastewater treatment plants was among the recommended non-potable reuse projects. This project is estimated to deliver up to 3.67 MGD of recycled water to the refinery for use in their boilers and cooling towers. The combined final disinfected effluent from both plants would be pumped at the Rodeo Pump Station to the refinery for treatment a new advanced recycled water treatment plan. This project was recommended by EBMUD because it would deliver a large amount of

General Plan Goals/Policies

Policy OS.8.1, Policy OS.8.7, Goal SE.9, Policy SE.9.1, Policy SE.9.4

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning	$ 60,000					$ 60,000
Design						
Construction						
Contingency						
TOTAL USES	**$ 60,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 60,000**
SOURCE(S)						
100 - General Fund	$ 60,000					$ 60,000
TOTAL FUNDS	**$ 60,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 60,000**

IN2101 - EMERGENCY POWER FOR CRITICAL FACILITIES

Functional Area : Infrastructure Assessment | **Project Origin :** Council Request | **Priority Score :**

Type of CIP		Budget	Unappropriated Subsequent Years				
☐ New ☐ Expansion ☐ Replacement ☐ Renovation ☐ Land/Row Acq. Required ☐ Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ -	**$ 30,000.00**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 200,000**

Project Start 7/1/2024 | **Estimated Completion** 6/30/2025

Description

During severe natural hazard events, it is highly likely that utility power will not be available for an extended period of time. Critical facilities will need reliable sources of sustained electrical power to continue operations. This project will: 1) identify critical facilities in need of back-up power in coordination with an Emergency Operations Plan (EOP) , 2) assess power loads in each critical facility that requires back-up power, 3) determine the costs and technology options including solar battery storage, and 4) make any additional recommendations to Council before advancing to construction.

History, Status, or Impact if Delayed

The Public Safety Building, Fire Station 74, and the Water Pollution Control Plant have stand by generators.

General Plan Goals/Policies

Policy GM.4.1, Policy CS.2.6, Goal CS.9, Goal HS.4

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning						
Design	$ 30,000					$ 30,000
Construction						
Contingency		$ 170,000				$ 170,000
TOTAL USES	**$ 30,000**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 200,000**
SOURCE(S)						
100 - General Fund	$ 30,000	$ 170,000				$ 200,000
TOTAL FUNDS	**$ 30,000**	**$ 170,000**	**$ -**	**$ -**	**$ -**	**$ 200,000**

IN1703 - STORM DRAIN MASTER PLAN

Functional Area : Infrastructure Assessment			Project Origin : Staff Recommendation			Priority Score :	
Type of CIP		Budget	Unappropriated Subsequent Years				
☐ New ☐ Expansion ☐ Replacement ☐ Renovation ☐ Land/Row Acq. Required ☐ Rehabilitation		Year 1 FY 2024-25	Year 2 FY 2025-26	Year 3 FY 2026-27	Year 4 FY 2027-28	Year 5 FY 2028-29	Project Estimate FY 2024 - 2029
Estimated Expenditures to-date	$ 100,000.00	**$ 150,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 250,000**
Project Start	7/1/2024				**Estimated Completion**	6/30/2025	

Description

Preparation of a storm drain master plan will provide an analysis of the existing collection system. The plan will identify system deficiencies related to capacity, functionality, and permit compliance. The plan can serve to guide future budget allocations for improvements to the system.

History, Status, or Impact if Delayed

General Plan Goals/Policies

Policy GM.4.1, Policy CS.7.1

Summary of Capital Cost

	Budget	Projected Budget				Project Estimate
USE(S)	**FY 2024-25**	**FY 2025-26**	**FY 2026-27**	**FY 2027-28**	**FY 2028-29**	**FY 2024 - 2029**
Planning	$ 150,000					$ 150,000
Design						
Construction						
Contingency						
TOTAL USES	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**
SOURCE(S)						
106 - Measure S 2014	$ 150,000					$ 150,000
TOTAL FUNDS	**$ 150,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 150,000**

CAPITAL IMPROVEMENT PLAN: FY 2024/25 THROUGH FY 2028/29
UNFUNDED PROJECTS LIST

#	Unfunded Projects
UF001	Railroad Avenue Bridge Removal and Replacement
UF002	Electric Vehicle Charging Stations in City Lots
UF003	Parking Lot Resurfacing
UF004	LLAD Landscape Restoration and Improvement
UF005	Dog Park Restroom Replacement
UF006	Dog Park Resurfacing and Fencing Improvements
UF007	Eucalyptus Grove Restoration
UF008	Fernandez Park Baseball Grandstand Improvement
UF009	Repave Trails
UF010	ADA Ramps
UF011	Appian Complete Streets
UF012	Pedestrian Bridge Maintenance (formerly known as Bridge Maintenance)
UF013	Pavement Maintenance
UF014	I-80/Pinole Valley Rd. Interchange Improvements
UF015	Shale Hill Retaining Wall and Sidewalk Gap
UF016	Sidewalks Gaps
UF017	Signal System Upgrades
UF018	Tennent-2
UF019	Tree Master Plan
UF020	San Pablo Avenue Bridge over BNSF Railroad
UF021	Installation of Solar at City Facilities
UF022	All Access Weather Roads
UF023	San Pablo Avenue Complete Streets
UF024	Signalized Intersections
UF025	Pedestrian Safety at Signalized Intersections
UF026	Safety at Unsignalized Intersections
UF027	Roadway Segments #1
UF028	Roadway Segments #2
UF029	Roadway Segments #3
UF030	Vehicular Bridge Maintenance
UF031	Old Town Traffic Calming
UF032	City Hall Energy Upgrades
UF033	Public Safety Building Energy Upgrades
UF034	WPCP Energy Upgrades
UF035	Youth Center Upgrades
UF036	Park Energy Upgrades

Legend:

New unfunded projects added

UNFUNDED PROJECT DESCRIPTIONS

UF001 - Railroad Avenue Bridge Removal and Replacement

Project Information

The Contra Costa County Flood Control and Water Conservation District has advised removal of the Railroad Avenue Bridge. The bridge is a flood barrier. The first step is to determine if the City of Pinole is the responsible agency for this project.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads
Sanitary Sewer
Stormwater

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 11

UF002 - Electric Vehicle Charging Stations in City Lots

Project Information

The City desires to promote and encourage the use of electric vehicles. With increased adoption of alternative fuel vehicles, the need for charging infrastructure is growing. The City wishes to install charging stations in city owned parking lots. The first step is to complete a load study at City owned parking lots to determine the electrical capacity at each site. There may be significant electrical upgrades necessary to install charging stations. Electrical capacity and siting determine ultimately determine the cost of each project. There are incentives available for the charging equipment.

Project Origin: Council Request

Functional Area: Facilities

Cost Estimate: $ -

Potential Funding Sources:
Bay Area Air Quality Management District, West Contra Costa Transportation Authority, Marin Clean Energy

Priority Score: 43

UF003 - Parking Lot Resurfacing

Project Information

This project is to maintain and enhance existing City owned parking facilities and infrastructure, to increase parking supply, and to support ongoing multi-modal and streetscape improvements. Improvements include saw cutting and demolition, pavement removal, earthwork, pavement installation, curb and gutter, striping, and signage.

Project Origin: Staff Recommendation

Functional Area: Facilities

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 32

UF004 - LLAD Landscape Restoration and Improvement

Project Information

The Pinole Valley Road Landscape and Lighting Assessment District was formed in 2008. The City installed various improvements on Pinole Valley Road between Henry Avenue and Ramona Street. The district provides maintenance to traffic signals, streetlights, median landscaping, irrigation for landscaping, electricity to traffic signals and streetlights, and graffiti removal. This project will maintain and restore turf, shrubs, plants and trees within the District. In FY 2022/23, this work was completed for Zone A (between I-80 and Henry Ave.)

Project Origin: LLAD Report

Functional Area: LLAD

Cost Estimate: $ -

Potential Funding Sources:
Fund 345 & 348

Priority Score: 27

UF005 - Dog Park Restroom Replacement

Project Information

The existing restroom located at the Dog Park is beyond its useful life and requires replacement.

Project Origin: Staff Recommendation

Functional Area: Parks

Cost Estimate: $ 200,000

Potential Funding Sources:

Priority Score: 36

UF006 - Dog Park Resurfacing and Fencing Improvements

Project Information

Resurfacing and fencing improvements

Project Origin: Staff Recommendation

Functional Area: Parks

Cost Estimate: $ 75,000

Potential Funding Sources:

Priority Score: 36

UF007 - Eucalyptus Grove Restoration

Project Information

The open space located between the Old Town area between John St. and Pinole Valley Road is forested with Eucalyptus trees. In 2014, a Safety Inspection was conducted by a consultant. A total of 8 trees were recommended for removal, and root crown excavation was recommended for 3 trees. 2 trees were determined to be hollow and recommended for further investigation to evaluate the level of internal decay. In 2018, the City hired a company to remove 20 Eucalyptus trees in the area. There are still many trees left and many of the prior trees were felled with the trunks remaining on site. This

Project Origin: Council Request

Functional Area: Parks

Cost Estimate: $ 150,000

Potential Funding Sources:

Priority Score: 22

UF008 - Fernandez Park Baseball Grandstand Improvement

Project Information

The current grandstand is aging and requires increased maintenance to maintain its serviceability.

Project Origin: End of Life Cycle

Functional Area: Parks

Cost Estimate: $ 250,000

Potential Funding Sources:

Priority Score: 27

UF009 - Repave Trails

Project Information

The City's goal is to develop safe, connected, and comfortable bicycle and pedestrian facilities for people of all ages and abilities. Repaving trails will enhance trail access from the City's roadway network to encourage alternative modes of transportation. The Active Transportation Plan is underway and will identify a trail network and recommend improvements.

Project Origin: Staff Recommendation

Functional Area: Parks

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 25

UF010 - ADA Ramps

Project Information

This project involves removing barriers to accessibility for persons using wheelchairs or other personal assistance devices and improving pedestrian accessibility and safety by reconstructing or upgrading curb ramps at various locations throughout the City.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 49

UF011 - Appian Complete Streets

Project Information

This project will provide continuous sidewalks and bike lanes along Appian Way from San Pablo Dam Rd. in unincorporated El Sobrante to about 1500 lineal feet north of the city limit within the City of Pinole. The City received STMP funds from West Contra Costa Transportation Authority for preliminary design. The construction phase remains unfunded.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ 970,000

Potential Funding Sources:

Priority Score: 30

UF012 - Pedestrian Bridge Maintenance

Project Information

Maintenance of pedestrian bridges as identified in the Pedestrian Bridge Inspection Reports completed by Quincy Engineering, Inc. In FY 2023/24 there is $50,000 budgeted in the operating budget for maintenance activities.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ 224,700

Potential Funding Sources:

Priority Score: 22

UF013 - Pavement Maintenance

Project Information

The City uses a pavement management software known as StreetSaver to strategize the most cost effective method to extend the pavement life. Pavement Maintenance is necessary to maintain the City's pavement network. Deferred maintenance results in increased costs over time.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ 42,000,000

Potential Funding Sources:
Fund 200 and Fund 106

Priority Score: 25

UF014 - I-80 / Pinole Valley Rd Interchange Improvements

Project Information

This project will widen Pinole Valley Road ramp terminal intersections at I-80 to provide a dedicated right turn lane to the eastbound and westbound I-80 on ramps. This project will also provide crossing enhancements at the Pinole Valley Road and I-80 intersection.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ 10,959,000

Potential Funding Sources:

Priority Score: 9

UF015 - Shale Hill Retaining Wall and Sidewalk Gap

Project Information

Shale Hill is located on San Pablo Ave. near Oak Ridge Road. The cut slope above the pavement is comprised of shale which is loose and sloughs onto the road. There is no sidewalk in this area because the toe of the embankment is uncontrolled and there is inadequate space to accommodate a sidewalk. Staff has not been successful in securing grant funds for this project.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 9

UF016 - Sidewalk Gaps

Project Information

This project will address sidewalk gaps by installing public sidewalks where sidewalks are missing on one or both sides of the street. This work will be coordinated with other construction projects. Sidewalk gaps often exist in places with site constraints (i.e. right of way, grade/slopes, or utility conflicts) or are adjacent to properties that have been required to provide sidewalks in the past due to land uses or ownerships. Locations for repair will be selected based on site conditions, pedestrian safety, and adjacent property attributes.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 16

UF017 - Signal System Upgrades

Project Information

This project will upgrade various aspects of the City's traffic signal system including: traffic signal controller equipment, vehicle detection, traffic signal arms and heads, battery backup systems, and communications systems to reduce congestion and improve safety for the Pinole community.

Project Origin: Staff Recommendation

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 16

UF018 - Tennent-2 Sewer Capacity Improvements

Project Information

This project involves replacement of the approximately pipeline along Tennent Avenue.

Project Origin: Master Plan

Functional Area:

Cost Estimate: $ 4,239,000

Potential Funding Sources:

Priority Score: 59

UF019 - Tree Master Plan

Project Information

In 2019, the City Council established a Beautification Ad Hoc Committee to analyze options for, and to make recommendations to Council regarding clean-up and beautification projects in Pinole. Among other projects, the Committee recommended the development of a Tree Master Plan to inventory the existing trees, and to develop a plan for managing the tree inventory, including finding tree planting opportunities.

Project Origin: Beautification Adhoc Committee

Functional Area: Infrastructure Assessment

Cost Estimate: $ 375,000

Potential Funding Sources:
Cal Fire Urban and Community Forestry Grant Program

Priority Score: 11

UF020 - San Pablo Avenue Bridge over BNSF Railroad

Project Information

This project will replace the existing thirteen span reinforced concrete span structure over the Burlington Northern Santa Fe Railroad adjacent to San Pablo Avenue at the easterly limits of the City. On 02/18/20, Council awarded a contract to a Consultant to begin the preliminary engineering (PE) for this project (CIP Project RO1710). The PE will be completed in two phases due to funding limitations. The first phase was necessary to develop a final cost estimate to facilitate pursuing additional funding required to complete all phases including construction.

Project Origin: End of Life Cycle

Functional Area: Streets & Roads

Cost Estimate: $ 28,800,000

Potential Funding Sources:
Fund 213, Fund 214, Economic Stimulus Funds

Priority Score: 58

UF021 - Installation of Solar at City Facilities

Project Information

This project involves procurement and installation of solar panels at City owned facilities to offset the City's electricity consumption and reduce the greenhouse gas impacts.

Project Origin: Council Request

Functional Area: Facilities

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 37

UF022 - All-Weather Access Roads

Project Information

The General Plan, Chapter 8 discusses improvement of open space management to reduce wildfire risks. There is a desire to have improved, all-weather access roads through open space to improve access to and from Hercules and El Sobrante to shorten response times and improve mutual aid.

Project Origin: General Plan

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 20

UF023 - San Pablo Avenue Complete Streets

Project Information

A complete streets plan would create a new vision for San Pablo Avenue, to transform it into a place where people of all ages and abilities can travel safely and comfortably whether walking, bicycling, riding transit, or driving . The UF031 - Old Town Traffic Calming project is within the limits of this project which may partially or completely replace it.

Project Origin: Council Request

Functional Area: Infrastructure Assessment

Cost Estimate: $ 200,000

Potential Funding Sources:
Subregional Transportation Mitigation Program (STMP) funds

Priority Score: 15

UF024 - Signalized Intersections

Project Information

Improvement to signal hardware, signal timing, or protected left turn phases at:

- Appian Way & Fitzgerald Dr
- San Pablo Ave & Tennent Ave
- Appian Way & Canyon Dr/Tara Hills
- Pinole Valley Rd/Tennent Ave/Ellerhorst St
- San Pablo Ave & Pinole Valley Rd
- San Pablo Ave & Pinon Ave/Appian Way
- Pinole Valley Rd & Estates Ave

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 183,792

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF025 - Pedestrian Safety at Signalized Intersections

Project Information

Installation of advance stop bars before crosswalk, raised median on approaches, raised pavement markers and striping through intersection at:

- Appian Way & Fitzgerald Dr
- San Pablo Ave & Tennent Ave
- Appian Way & Canyon Dr/Tara Hills
- Pinole Valley Rd/Tennent Ave/Ellerhorst St
- San Pablo Ave & Pinole Valley Rd
- Fitzgerald Dr and Best Buy Parking Lot
- Pinole Valley Rd & Estates Ave

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 514,548

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF026 - Safety at Unsignalized Intersections

Project Information

Install intersection lighting, install/upgrade larger or additional stop signs or other intersection warning/regulatory signs, or install RRFB:

- Walter Ave & San Pablo Ave
- Pinole Valley Rd & Simas Ave
- Pinole Valley Rd & Wright Ave
- Pinole Valley Rd & Rafaela St
- Wright Ave & Carol St
- Simas Ave & Moraga Dr

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 879,830

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF027 - Roadway Segments # 1

Project Information

Install segment lighting, or install/upgrade signs with new fluorescent sheeting, or install delineators, reflectors/object markers.

- Pinole Valley Rd: San Pablo Ave to Collins Ave
- San Pablo Ave: Oak Ridge Rd to Pinole Valley Rd
- San Pablo Ave: Golden Gate to Del Monte Dr
- Tara Hills: Kilkenny Way to Appian Way
- Walter Ave: North Terminus to San Pablo Ave
- Fitzgerald Dr: Jovita Ln to Appian Way
- Appian Way: San Pablo Ave to Michael Dr
- Tennent Ave: San Pablo Ave to Pinole Valley Rd

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 1,469,474

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF028 - Roadway Segments # 2

Project Information

Install centerline rumble strips/stripes, or install edge-lines and centerlines, or install RRFB:

- Pinole Valley Rd: San Pablo Ave to Collins Ave
- San Pablo Ave: Oak Ridge Rd to Pinole Valley Rd
- San Pablo Ave: Golden Gate to Del Monte Dr
- Tara Hills: Kilkenny Way to Appian Way
- Walter Ave: North Terminus to San Pablo Ave
- Tennent Ave: San Pablo Ave to Pinole Valley Rd

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 914,375

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF029 - Roadway Segments # 3

Project Information

Implement road diet, or install dynamic/variable speed warning signs, or install/upgrade pedestrian crossing:

- Pinole Valley Rd: San Pablo Ave to Collins Ave
- San Pablo Ave: Oak Ridge Rd to Pinole Valley Rd
- Tara Hills: Kilkenny Way to Appian Way
- Fitzgerald Dr: Jovita Ln to Appian Way
- Appian Way: San Pablo Ave to Michael Dr

Refer to the Local Road Safety Plan (LRSP) document for detailed recommendations.

Project Origin: LRSP

Functional Area: Streets & Roads

Cost Estimate: $ 1,483,510

Potential Funding Sources:
Highway Safety Improvement Program (HSIP)

Priority Score: 46

UF030 - Vehicular Bridge Maintenance

Project Information

Maintenance of vehicular bridges as identified in the Caltrans Bridge Inspection Reports. The latest bridge inspection issued in May 2023, contains recommendations for three bridges near:

- PVHS High School on Pinole Valley Rd
- Wright Ave on Pinole Valley Rd
- On Simas Ave near Pinole Valley Rd

Project Origin: Caltrans Bridge Inspection

Functional Area: Streets & Roads

Cost Estimate: $ -

Potential Funding Sources:

Priority Score: 22

UF031 - Old Town Traffic Calming

Project Information

Assess feasibility of and alternatives for, and design and construct traffic calming measures on San Pablo Avenue between John St and Oak Ridge Rd. This project is within the limits of UF023 - San Pablo Avenue Complete Streets project and may partially or completely replace it.

Project Origin: Council Request

Functional Area: Streets & Roads

Cost Estimate: $ 570,000

Potential Funding Sources:

Priority Score: 58

UF032 - City Hall Energy Upgrades

Project Information

Energy conservation measures recommended in the Energy Conservation, Generation, and Storage Assessment.

Project Origin: Assessment

Functional Area: Facilities

Cost Estimate: $ 189,000

Potential Funding Sources:

Priority Score: 57

UF033 - Public Safety Building Energy Upgrades

Project Information

Energy conservation measures recommended in the Energy Conservation, Generation, and Storage Assessment.

Project Origin: Assessment

Functional Area: Facilities

Cost Estimate: $ 160,000

Potential Funding Sources:

Priority Score: 58

UF034 - WPCP Energy Upgrades

Project Information

Energy conservation measures recommended in the Energy Conservation, Generation, and Storage Assessment.

Project Origin: Assessment

Functional Area: Sanitary Sewer

Cost Estimate: $ 1,686,000

Potential Funding Sources:
Self-Generation Incentive Program (SGIP)

Priority Score: 59

UF035 - Youth Center Energy Upgrades

Project Information

Energy conservation measures recommended in the Energy Conservation, Generation, and Storage Assessment.

Project Origin: Assessment

Functional Area: Facilities

Cost Estimate: $ 17,000

Potential Funding Sources:

Priority Score: 58

UF036 - Park Energy Upgrades

Project Information

Energy conservation measures recommended in the Energy Conservation, Generation, and Storage Assessment.

Project Origin: Assessment

Functional Area: Parks

Cost Estimate: $ 30,000

Potential Funding Sources:

Priority Score: 62

APPENDIX I

APPENDIX I: Capital Improvement Plan Consistency with General Plan

Funding is estimated for specific projects or asset plans in the FY 2024/25 – 2028/29 Capital Improvement Plan (CIP) which support the goals and policies of following elements of the General Plan:

- Community Character (CC)
- Growth Management (GM)
- Land Use & Economic Development (LU)
- Housing (H)
- Circulation Element (CE)
- Community Services and Facilities (CS)
- Health and Safety (HS)
- Natural Resources and Open Space (OS)
- Sustainability Element (SE)

The acroynms and associated General Plan goals/policies are listed on individual project sheets.

The FY 2024/25 – 2028/29 CIP includes funding for projects over the next five (5) fiscal years that support General Plan policies and enhance public infrastructure, amenities, and services in Pinole. The CIP is consistent with and helps implement the following General Plan goals and policies:

Community Character Element

GOAL CC.1 Maintain Pinole's unique qualities and sense of place to preserve the established historic and small-town character of the city.

> POLICY CC.1.2 Require all new development to incorporate high-quality site design, architecture and planning to enhance the overall quality of the built environment in Pinole and create a visually interesting and aesthetically pleasing town environment.
>
> POLICY CC.1.3 To enhance a sense of arrival and create a strong appealing image that promotes community identity, the City shall develop community entry features at key gateways or city entries along Interstate 80. Entryways shall incorporate landscaping, trees, structural architectural elements, signage and public art.
>
> POLICY CC.1.5 Encourage project compatibility, interdependence and support with neighboring uses, especially between commercial and mixed-use centers and the surrounding residential neighborhoods. Uses should relate to one another with pedestrian connections, transit options, shared parking, landscaping, public spaces, and the orientation and design of buildings.

GOAL CC.2 Emphasize and enhance the visual and physical connection between the city's natural environment and the community's quality of life.

POLICY CC.2.1 Provide visual and physical connections between the natural environment and the built environment through careful site design, building placement, architectural features that allow views of Pinole's unique environment such as ridgelines or the San Pablo Bay shoreline, public access to open space such as via the Bay Trail, and the use of native vegetation in the urban environment such as for landscape buffers for sidewalk areas and street trees.

POLICY CC.2.2 Preserve natural resources within the built environment, including trees, marshes, creeks and hillsides.

GOAL CC.5 Enhance the quality of life in Pinole by acknowledging the cultural diversity and by promoting, preserving and sustaining the cultural and performing arts.

POLICY CC.5.1 Celebrate the city's cultural diversity through public art, cultural centers and community events for the benefit and enjoyment of all residents.

POLICY CC.5.2 Develop programs and facilities that promote the cultural and performing arts in Pinole.

Growth Management Element

GOAL GM.1 Regional Planning. Support cooperative transportation, land use and public service planning in Contra Costa County.

POLICY GM.1.1 West Contra Costa County Planning Activities. Achieve efficient public service delivery by coordinating with affected jurisdictions and agencies concerning public and private developments.

GOAL GM.3 Efficient Transportation. Support land use patterns that make efficient use of the transportation system and enhance public safety.

POLICY GM.3.1 Transportation Management. Make more efficient use of the regional and subregional transportation system.

POLICY GM.3.3 Provide Adequate Transportation Facilities and Services. Provide adequate transportation facilities while maintaining neighborhood integrity.

POLICY GM.3.7 Mobility-Impaired. Support efforts to provide safe and convenient transportation systems for all citizens of Pinole, particularly mobility-impaired individuals.

GOAL GM.4 Compact Development and Service Areas. Encourage infill and redevelopment in areas that are already served by utilities, infrastructure and public services.

POLICY GM.4.1 Planning for Present and Future Community Needs. Plan for, provide and maintain a level of public infrastructure facilities and services that adequately serves the present and future needs of the community.

Land Use & Economic Development Element

GOAL LU.1 Preserve and enhance the natural resources, high-quality residential neighborhoods and commercial areas, and small-town (semi-rural) character of Pinole.

> POLICY LU.1.3 Establish and implement a continuing program of civic beautification, gateway or entryway enhancement, tree planting, maintenance of homes and streets, and other measures which will promote an aesthetically desirable environment and attractive neighborhood areas.

GOAL LU.4 Preserve and strengthen the identity and quality of life of Pinole's residential neighborhoods.

> POLICY LU.4.1 Ensure all new development, renovation or remodeling preserves and strengthens Pinole's residential neighborhoods by requiring projects to be harmoniously designed and integrated with the existing neighborhood.

GOAL LU.6 Protect and enhance the natural resources of the San Pablo Bay waterfront for the enjoyment of Pinole residents.

> POLICY LU.6.3 Provide waterfront parks, pedestrian pathways and recreation areas that are safe, accessible, and attractive for public use.

Housing Element

GOAL H.2 Protect Existing Character and Heritage. Protect and enhance the integrity and distinctive character and heritage of Pinole encouraging the development of high quality, well-designed housing and conserving existing housing.

> POLICY H.2.4 Maintain Existing Housing and Neighborhood Amenities. Maintain Pinole's lifestyle characteristics by encouraging the maintenance of existing housing stock, and in particular housing with historic value, and preserving the amenities of existing neighborhoods.

GOAL H.3 Provide Adequate Services and Facilities. Provide adequate services and facilities to meet the needs of the city's current and future population.

> POLICY H.3.1 Plan For Public Facility and Services Needs. Future development shall be planned based on public facility and service capacity, community-wide needs, sound citywide and neighborhood planning and public improvement programming.

> POLICY H.3.4 Encourage new pedestrian-oriented development. Encourage new development and redevelopment that places residences in close proximity to a variety of services and facilities.

Circulation Element

GOAL CE.1 Reduce vehicle miles traveled and encourage the use of public transit.

> POLICY CE.1.1 Encourage strategic growth that concentrates future development along Pinole's three primary transit corridors (San Pablo Avenue, Appian Way and Pinole Valley Road).
>
> POLICY CE.1.3 Encourage development that is sensitive to both local and regional transit measures and that promotes the use of alternative modes of transportation.
>
> POLICY CE.1.4 Encourage maximum utilization of the existing public transit system and alternate modes of transportation in Pinole.

GOAL CE.3 Provide timely input and effective means (as appropriate) of programming street and highway improvements to maintain the objective peak hour level of service without detrimentally impacting community character or commercial activity.

> POLICY CE.3.2. Maintain roadway network at or above established LOS thresholds.

GOAL CE.4 Establish programs to support sidewalk, trail and street enhancements, where feasible.

> POLICY CE.4.5 Inventory sidewalk conditions to identify opportunities for enhancements to the circulation system and to help prioritize repair and maintenance activities as funding becomes available.

GOAL CE.5 Provide adequate parking and loading facilities while encouraging alternative means of transportation.

GOAL CE.7 Support bicycle use as a mode of transportation by enhancing infrastructure to accommodate bicycle and rides.

> POLICY CE.7.1 Enhance the City's Bikeway network through the use of Class I, II, and III bikeways.
>
> POLICY CE.7.3 Establish a network of multi-use paths to facilitate safe and direct off-street bicycle and pedestrian travel.

Community Services and Facilities Element

GOAL CS.1 Provide safe, attractive and efficiently designed infrastructure and sustainable facilities to serve the public.

> POLICY CS.1.1 The City will strive to provide safe, attractive and efficiently designed facilities for public and quasi-public organizations.
>
> POLICY CS.1.3 The City will endeavor to provide convenient access to community facilities and services to all areas of the community.

GOAL CS.2 Ensure and maintain a high level of public safety in the community.

> POLICY CS.2.6 The City will continue to fund the repair, maintenance and expansion of facilities to respond to evolving service needs.

GOAL CS.3 Provide adequate and high-quality recreational opportunities and programs for the community.

POLICY CS.3.1 Continue to provide a variety of recreational opportunities that serve and represent all aspects of the community.

POLICY CS.3.3 Expand and organize a multi-use trail system.

GOAL CS.6 Provide adequate, economical and dependable wastewater collection service and treatment.

POLICY CS.6.1 The City shall continue to make capital improvements to the wastewater collection and treatment system to maintain system capability and reliability.

GOAL CS.7 Minimize flooding.

POLICY CS.7.1 The City will ensure that the storm drain system has adequate capacity to minimize street flooding and, where feasible, shall expand the capacity of the system to control storm flows.

GOAL CS.9 Provide economical and dependable community services while conserving energy resources.

POLICY CS.9.1 The City will seek opportunities to improve the energy efficiency of facilities and operations.

GOAL CS.10 Provide safe, efficient roadway infrastructure to support multiple modes of transportation and to meet existing and future circulation needs.

POLICY CS.10.2 The City will update, where possible, the existing roadway network to enhance pedestrian, bicycle and transit circulation while maintaining safe vehicular circulation.

Health and Safety Element

GOAL HS.1 Minimize the potential for loss of life, injury, damage to property, economic and social dislocation, and unusual public expense due to natural and man-made hazards.

GOAL HS.2 Protect the community from the risk of flood damage and improve surface water quality.

POLICY HS.2.4 Continue to monitor studies that identify anticipated changes in sea level and create appropriate standards and improvements to minimize flood risks.

POLICY HS.2.5 Establish appropriate capital improvements and management programs to reduce wet weather sewer treatment demand and avoid discharge to the shallow water outfall.

GOAL HS.3 Minimize hazards of soil erosion, weak and expansive soils, potentially hazardous soils materials, other hazardous materials, geologic instability and seismic activity.

POLICY HS.3.5 Require proper handling, storage, disposal and cleanup of hazardous materials to prevent leakage, potential explosions, fires or the escape of harmful gases and to prevent individually innocuous materials from combining to form hazardous substances, especially at the time of disposal.

GOAL HS.4 Ensure that government agencies, citizens and businesses are prepared for an effective response and recovery in the event of emergencies or disasters.

POLICY HS.4.1 Continue to provide essential emergency public services during natural catastrophes

POLICY HS.4.3 Incorporate technological enhancements in new and substantially remodeled structures and facilities to support and improve emergency services.

GOAL HS.6 Support multiple forms of transportation and a circulation system design that reduces vehicle trips and emissions.

POLICY HS.6.1 Promote and encourage walking and bicycling as viable forms of transportation to services, shopping and employment.

GOAL HS.7 Ensure that all new development meets or exceeds state and federal water quality standards.

POLICY HS.7.1 Support Regional, state and federal clean water programs.

POLICY HS.7.3 Reduce the transport of runoff and surface pollutants.

POLICY HS.7.6 Establish appropriate capital improvements and management programs to reduce wet weather sewer treatment demand and avoid discharge to the shallow water outfall.

Natural Resources and Open Space Element

GOAL OS.1 Ensure the preservation of natural resources by determining appropriate land use and compatibility with natural resources and open space.

POLICY OS.1.2 Agency Cooperation. Work with Federal, State and local regulatory and trustee agencies to promote the long-term sustainability of local natural resources.

Sustainability Element

GOAL SE.3 The City will reduce its contribution to climate change and mitigate and adapt to the effects of climate change as appropriate.

POLICY SE.3.1 Reduce greenhouse gas emissions from City operations and community sources by a minimum of 15 percent below current or baseline levels by the year 2020.

POLICY SE.3.4 Reduce GHG emissions by reducing vehicle miles traveled and by increasing or encouraging the use of alternative fuels and transportation technologies.

POLICY SE.1.3 Enhance the energy efficiency of all City facilities.

GOAL SE.4 Optimize energy efficiency and renewable energy.

POLICY SE.4.2 Explore opportunities for City-wide expansion of Programs and Facilities related to energy efficiency and conservation.

GOAL SE.5 Achieve a solid waste diversion of 75% of the waste stream by 2020.

GOAL SE.7 Air quality will be maintained and improved for the City of Pinole and the Bay Area as a region and not decline below levels measured in early 1990's.

POLICY SE 7.3 Support efforts to comprehensively address air quality issues through education, regulation, and innovation.

GOAL SE.8 Utilize transit options and reduce vehicle miles traveled and single-occupancy vehicle use.

POLICY SE.8.7 Work to improve Pinole's pedestrian and bicycle infrastructure and to meet the needs of all pedestrians and bicyclists.

POLICY SE.8.10 Support and promote the use of low- and zero-emissions vehicles, alternative fuels, and other measures to directly reduce emissions from motor vehicles.

Community Character Element

GOAL CC.1 Maintain Pinole's unique qualities and sense of place to preserve the established historic and small-town character of the city.

POLICY CC.1.2 Require all new development to incorporate high-quality site design, architecture and planning to enhance the overall quality of the built environment in Pinole and create a visually interesting and aesthetically pleasing town environment.

POLICY CC.1.3 To enhance a sense of arrival and create a strong appealing image that promotes community identity, the City shall develop community entry features at key gateways or city entries along Interstate 80. Entryways shall incorporate landscaping, trees, structural architectural elements, signage, and public art.

APPENDIX II

APPENDIX II: Prioritization Matrix Category Scoring Guidelines

1. **Regulatory Compliance** – Compliance with regulatory mandates issued by agencies likes California State Water Resources Control Board, California Department of Resources, Recycling and Recovery, Department of Fish and Wildlife, the San Francisco Bay Conservation and Development Commission, or other County, State and federal laws. This also includes the Americans with Disabilities Act, the Manual of Uniform Traffic Control Devices, and self-imposed City ordinances. The score should be based on the answers to the following example questions:

    a. Does the proposed project address a current regulatory mandate?
    b. Will the proposed project proactively address a foreseeable (within the next 5 years) regulatory mandate?

    Scoring scale:

0	**2-3**	**5**
The project does not address a regulatory compliance issue	The project provides a short-term fix for an existing regulatory compliance issue or for one anticipated in the near future	The project resolves a pressing or long-term regulatory compliance issue

2. **Health/Safety** – Projects that improve the overall health and safety of the community such as multi-purpose trails, transportation safety improvements, new recreation facilities, address safety issues at City facilities, enhancements to police, fire, and emergency medical services. The score should be based on answers to the following example questions:

    a. Does the proposed project impact the health and wellbeing or safety of Pinole residents and/or employees?
    b. Does the project mitigate a serious risk or liability health/safety issue and to what degree?
    c. Does the project help assist the City to respond more effectively and efficiently to emergencies throughout the community?

    Scoring scale:

0	**2-3**	**5**
The project does not impact the health and/or safety of the community	The project addresses a serious health and/or safety issue that has a limited impact or addresses a less-serious issue but serves the health and or safety of the broader community	The project directly addresses a serious health and/or safety issue that has a widespread impact and/or improves the health of the community

3. **Project Dependency/Bundling**– The completion of the proposed project is complementary to the completion of a precursor capital project/master plan or the proposed project would be implemented efficiently if it was coordinated with another capital project. A project that is not

needed for many years would score lower than a project that needs to be completed before another project can start. The score should be based on answers to the following example questions:

a. When is the proposed project needed?
b. Do any other projects require the proposed project to be completed first?
c. Does the proposed project require other projects to be completed first?
d. Can the proposed project be completed in conjunction with another project for coordinated, efficient implementation?

Scoring scale:

0	**2-3**	**5**
The project does not have a project dependency	The project can be completed in conjunction with another project for coordinated, efficient implementation	The project must be completed before another priority project can start

4. **Long-Term Planning** – General Plan, Three-Corridor Specific Plan, 2020-2025 Strategic Plan, Long-Term Financial Plan, Pinole Economic Development Strategy, Master Plans, Emergency Operations Plan, Communication and Engagement Plan, Climate Action Plan, Local Road Safety Plan, Active Transportation Plan, Parks Master Plan, and departmental strategic plans which serve as a resource for the City to meet goals set forth by City departments, advisory boards and commissions, and the community at-large. Plans include documents that have been prepared internally to assure consistent adherence to industry best practices, as well as those documents that are created with the assistance of outside consultants. A component of long-term planning includes public discussion and/or public engagement. The score should be based on the answers to the following example questions:

a. Is the proposed project contained in one or more of the City's long-term planning documents?
b. Is the proposed project listed as a high priority?

Scoring scale:

0	**2-3**	**5**
The project is not part of any long-term planning document	The project is included in a long-term planning document, but may not be high priority	The project is included in a long-term planning document and is a high priority

5. **State of Infrastructure** – Projects that address failing infrastructure (i.e., sidewalks, streets, lighting, municipal buildings, recreation facilities) or facilities that have exceeded their useful life. The score should be based on answers to the following example questions:

a. Does the proposed project maintain the condition or value of existing infrastructure?
b. Does the proposed project avoid potential failure due to substandard conditions?

c. Will the proposed project address a facility that is outdated or exceeded its useful life?
d. Is the proposed project supported by a life cycle analysis of repair versus replacement and a master plan for that type of asset?

Scoring scale:

0	2-3	5
The project maintains existing infrastructure at current service levels	The project extends the service life of an existing asset or adds new infrastructure to support growth	The project addresses existing infrastructure which has reached the end of its useful life and is supported by a life cycle analysis of repair vs. replacement

6. **Operating Budget Impact** – Some proposed projects may impact the operating budget for the next few years or for the life of the facility. Some proposed projects can offer cost savings or revenue generation opportunities. The score should be based on answers to the following questions:

   a. Will the proposed project require additional personnel to operate?
   b. Will the proposed project require additional annual maintenance?
   c. Will the proposed project require additional equipment not included in the project budget?
   d. Will the proposed project reduce staff time and City resources thereby resulting in a positive impact on the operational budget?
   e. Are there cost savings or revenue generation opportunities as a result of the efficiency of the proposed project?

Scoring scale:

0	2-3	5
The project will have a negative impact on the budget. It will require additional money to operate	The project will not impact the operating budget as it is cost/revenue neutral	The project will have a positive impact on the budget. It will result in significant savings in staff time, materials, or offer revenue generation

7. **Quality of Life** – Projects that provide widespread economic prosperity, recreational and cultural activities, environmental benefits, beautify Pinole, and attract new residents and visitors. The score should be based on answers to the following example questions:

   a. Does the proposed project help to create a beautiful and clean community?
   b. Does the proposed project encourage participation in recreational and cultural activities?
   c. Does the proposed project attract new residents, businesses, or visitors?
   d. Does the proposed project increase environmental stewardship?

e. Does the proposed project contribute towards economic development and revitalization efforts?

Scoring scale:

0	2-3	5
The project will not have an impact on the quality of life for the Pinole community	The project has moderate impact on the quality of life for the Pinole community	The project greatly impacts the quality of life for the Pinole community

8. **Grant Funding** – The proposed project is partially or fully supported by grants from State or Federal funds. The percentage of total cost funded by an external source will determine the score in this category.

Scoring scale:

0	1	2	3	4	5
0% - 16% External Funding	17% - 33% External Funding	34% - 50% External Funding	51% - 67% External Funding	68% - 84% External Funding	85% to 100% External Funding

9. **Sustainability and Conservation** – The proposed project furthers the City's sustainability and conservation goals. The score should be based on answers to the following example questions:

   a. Does the proposed project improve the health of the community and natural environment through sustainable designs with improved air quality and reduce greenhouse gas emissions that contribute to climate change?
   b. Does the proposed project increase use of active modes of transportation and reduces the need for auto-dependency?
   c. Does the proposed project incorporate design that meets or exceeds federal and State standards in the field of energy efficiency, such as State of California Title 24 Energy Efficiency Standards, LEED building standards, etc.?

Scoring scale:

0	2-3	5
The project will not impact the City's ability to achieve sustainability and conservation goals	The project will have a modest positive impact on the City's ability to achieve sustainability and conservation goals	The project will have a significant positive impact on the City's ability to achieve sustainability and conservation goals

PLANNING COMMISSION REPORT

I.2.

DATE: JUNE 10, 2024

TO: PLANNING COMMISSION

FROM: DAVID HANHAM, PLANNING MANAGER

SUBJECT: RESELECT MEMBERS FOR THE AD-HOC PLANNING COMMISSION SUB-COMMITTEE

RECOMMENDATION

The Planning Commission select new members for the Ad-Hoc Planning Commission Subcommittee.

BACKGROUND

Following the new Planning Commission appointments by City Council, the members selected to serve on the 2024-2025 Ad-Hoc Planning Commission Sub-Committee are no longer all available and the committee needs to be reselected.

REVIEW AND ANALYSIS

The Ad-Hoc Subcommittee is composed of three Planning Commissioners who meet sporadically to provide input on Planning Commission-related projects on an as-needed basis.

On April 22, 2024, Planning Commission selected three members to serve on the committee. On May 7, 2024, the City Council made appointments for spots on the Planning Commission where terms were set to expire after April 2024. New candidates and incumbents applied for consideration by City Council. One of the members who would have served on the Ad-Hoc Planning Commission Sub-Committee was not selected by City Council to serve a new term on the Planning Commission, which left an opening in the subcommittee.

As a result, Planning Commission is requested to reselect members for the Planning Commission Ad-Hoc Subcommittee. The reselection may include reaffirming the two members selected on April 22, 2024 (Chair Menis and Commissioner Bender) would continue to serve and selecting a new third member. Alternatively, the reselection may include reopening multiple spots on the subcommittee to be filled.

FISCAL IMPACT

There is no fiscal impact associated with this action.

ATTACHMENTS

None