



**Regular Meeting Agenda
Planning Commission**

WAYNE TANDA - CHAIR
LIAM DOWNEY - VICE-CHAIR
MOHAMMAD HABIB - PLANNING COMMISSIONER
PAUL LAKE - PLANNING COMMISSIONER
MALISHA KUMAR - PLANNING COMMISSIONER
JAMES WILSON - PLANNING COMMISSIONER
JOSEPH MUELLER - PLANNING COMMISSIONER

Tuesday, April 23, 2024 7:00 PM

**Council Chamber Building
17555 Peak Avenue, Morgan Hill, CA 95037**

Morgan Hill Planning Commission meetings are held in person with the option for the public to attend in-person or view by teleconference/video conference. Information on how the public may observe and participate in the meeting is located below.

MEETING PARTICIPATION AND PUBLIC COMMENT

Planning Commission meetings will be live-streamed on Channel 17, on the City's website, and on the City's Facebook page.

Those members of the community who would like to view the meetings remotely may do so by joining the virtual meeting at: <https://bit.ly/PlanningCommissionMtg> or by calling: (669) 900-9128, then enter the webinar ID#: 862 0324 6251#. Or on our website at <https://www.morganhill.ca.gov/2101/Agendas-Minutes>. Public comment may be provided in the following ways:

- In-person at the Planning Commission Meeting
- In writing
 - Via email to pcpubliccomment@morganhill.ca.gov
 - Hard Copy hand delivered or by mail to the Planning Division at 17575 Peak Avenue, Morgan Hill, CA 95037.

Please email your comments to the Planning Division no later than 3:00 p.m. on Monday (the day before the Planning Commission meeting) for your comments to be submitted to the members of the Planning Commission with sufficient time

to review the comments. You may continue to provide written comments up to noon on Tuesday (the day of the meeting) although Planning Commission Members may not have sufficient time to review them before the meeting. Public comments submitted to the Planning Division after 12:00 p.m. the day of the meeting will be provided to the Planning Commission as time allows.

Written comments WILL NOT be read aloud during the City Council Meeting. Please note that written comments are posted on the City's website. It is recommended that you do not include any personal information that you do not want to be posted on the web. Please be advised that communications directed to the City Council are public records and are subject to disclosure pursuant to the California Public Records Act and Brown Act unless exempt from disclosure under the applicable law. Communications will NOT be edited for redactions and will be printed/posted as submitted.

AMERICANS WITH DISABILITIES ACT (ADA)

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the City Clerk's Office at (408)779-7259, (408)779-3117 (fax) or by email cityclerk@morganhill.ca.gov. Requests must be made as early as possible and at least two-full business days before the start of the meeting.

CALL TO ORDER

ROLL CALL ATTENDANCE

DECLARATION OF POSTING

Pursuant to Government Code Section 54954.2

PLEDGE OF ALLEGIANCE

PUBLIC COMMENT

Members of the public are entitled to address the Planning Commission concerning any item within the Morgan Hill Planning Commission's subject matter jurisdiction. Public comments are limited to no more than three minutes. Except for certain specific exceptions, the Commission is prohibited from discussing or taking action on any item not appearing on the posted agenda. (See additional noticing at the end of this agenda)

ORDERS OF THE DAY

CONSENT AGENDA

1. MARCH 26, 2024 MEETING MINUTES

Recommendation:

1. Accept Meeting Minutes

PUBLIC HEARINGS

2. UP2023-0002/SR2023-0009: COCHRANE - RAISING CANE'S

Recommendation:

1. Open/close public hearing,
2. Adopt a Resolution approving a Conditional Use Permit for an approximately 3,000 square foot restaurant with a drive-through; and
3. Adopt a Resolution approving a Design Permit for an approximately 3,000 square foot restaurant with a drive-through.

3. UP2024-0001: CONDIT-FIFTH ELEMENT FITNESS

Recommendation:

1. Open/close public hearing; and
2. Adopt a Resolution approving a Conditional Use Permit for an approximately 10,000 square foot indoor commercial recreation facility.

DIRECTOR'S REPORT/ANNOUNCEMENTS

ADJOURNMENT

NOTICE

Any documents produced by the City and distributed to the majority of the Planning Commission less than 72 hours prior to an open meeting, will be made available for public inspection at the front counter at City Hall located at 17575 Peak Avenue, Morgan Hill, CA, 95037 and at the Morgan Hill Public Library located at 660 West Main Avenue, Morgan Hill, California, 95037 during normal business hours. (Pursuant to Government Code 54957.5)

PUBLIC COMMENT

Members of the Public are entitled to directly address the Planning Commission concerning any item that is described in the notice of this meeting, before or during consideration of that item. If you wish to address the Planning Commission on any issue that is on this agenda, please complete a speaker request card located in the foyer of the Council Chambers and deliver it to the Minutes Clerk prior to discussion of the item. You are not required to give your name on the speaker card in order to speak to the Planning Commission, but it is very helpful. When you are called, proceed to the podium and the Chair will recognize you. If you wish to address the Planning Commission on any other item of interest to the public, you may do so during the public comment portion of the meeting following the same procedure described above. Please limit your comments to three (3) minutes or less.

Please submit written correspondence to the Minutes Clerk, who will distribute correspondence to the Planning Commission.

Persons interested in proposing an item for the Planning Commission agenda should contact a member of the Commission who may plan an item on the agenda for a future Commission meeting. Should your comments require Planning's action, your request may be placed on the next appropriate agenda. Planning Commission discussion or action may not be taken until your item appears on an agenda. This procedure is in compliance with the California Public Meeting Law (Brown Act) Government Code §54950.

City Council Policies and Procedures (CP 03-01) outlines the procedure for the conduct of public hearings. Notice is given, pursuant to Government Code Section 65009, that any challenge of Public Hearing Agenda items in court, may be limited to raising only those issues raised by you or on your behalf at the Public Hearing described in this notice, or in written correspondence delivered to the Commission at, or prior to the Public Hearing on these matters.

The time within which judicial review must be sought of the action by the Commission, which acted upon any matter appearing on this agenda is governed by the provisions of Section 1094.6 of the California Code of Civil Procedure.

For a copy of Commission Policies and Procedures CP 97-01, please contact the City Clerk's office (408) 779-7259, (408) 779-3117 (fax) or by email cityclerk@morganhill.ca.gov.

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**Meeting Minutes
Planning Commission**

*WAYNE TANDA - CHAIR
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JOSEPH MUELLER - PLANNING COMMISSIONER*

Tuesday, March 26, 2024 7:00 PM

**Council Chambers
17555 Peak Avenue, Morgan Hill, CA 95037**

CALL TO ORDER

Vice Chair Downey called the meeting to order at 7:00 p.m.

ROLL CALL ATTENDANCE

Minutes Clerk Luna called the attendance at 7:00 p.m.

PRESENT	Joseph Mueller, Liam Downey, Malisha Kumar, James Wilson, Mohammad Habib
EXCUSED	Wayne Tanda, Paul Lake

DECLARATION OF POSTING

Minutes Clerk Luna declared the posting of the agenda at 7:00 p.m.

PLEDGE OF ALLEGIANCE

Planning Commissioner Wilson led the Pledge of Allegiance at 7:01 p.m.

PUBLIC COMMENT

Vice Chair Downey opened the public comment period 7:01 p.m. Hearing no requests to speak, the public comment period was closed.

ORDERS OF THE DAY

There were no changes made.

CONSENT AGENDA

MOTION:

Approve Consent Agenda items 1-3.

RESULT:	Passed
MOVER:	Planning Commissioner Mueller
SECONDER:	Planning Commissioner Habib
AYES:	Downey, Habib, Mueller Kumar, Wilson
NAYS:	None
ABSTAIN:	None
ABSENT:	Tanda, Lake

1. DECEMBER 12, 2023 MEETING MINUTES

Recommendation:

1. Accept Meeting Minutes

2. JANUARY 23, 2024 MEETING MINUTES

Recommendation:

1. Accept Meeting Minutes

3. FEBRUARY 13, 2024 MEETING MINUTES

Recommendation:

1. Accept Meeting Minutes

PUBLIC HEARINGS

None

OTHER BUSINESS

4. ACCEPT THE 2023 GENERAL PLAN AND HOUSING ELEMENT ANNUAL PROGRESS REPORT (APR)

Recommendation:

1. Accept the 2023 General Plan and Housing Element Annual Progress Report (APR).

Principal Planner Adam Paszkowski presented the report at 7:05 p.m.

Vice Chair Downey opened the public comment period at 7:30 p.m. Hearing no requests to speak, the public comment period was closed.

MOTION:

Accept the 2023 General Plan and Housing Element Annual Progress Report (APR).

RESULT:	Passed
MOVER:	Planning Commissioner Mueller
SECONDER:	Planning Commissioner Wilson
AYES:	Downey, Habib, Mueller, Kumar, Wilson
NAYS:	None
ABSTAIN:	None
ABSENT:	Tanda, Lake

DIRECTOR'S REPORT/ANNOUNCEMENTS

Development Services Director Jennifer Carman made an announcement at 7:31 p.m.

ADJOURNMENT

There being no further business to discuss, Vice Chair Downey adjourned the meeting at 7:33 p.m.

MINUTES PREPARED BY:
Jenna Luna, Minutes Clerk

PLANNING COMMISSION STAFF REPORT

MEETING DATE: April 23, 2024

PREPARED BY:

Joey Dinh, Associate Planner

APPROVED BY: Jennifer Carman

UP2023-0002/SR2023-0009: COCHRANE - RAISING CANE'S

RECOMMENDATION(S)

1. Open/close public hearing,
2. Adopt a Resolution approving a Conditional Use Permit for an approximately 3,000 square foot restaurant with a drive-through; and
3. Adopt a Resolution approving a Design Permit for an approximately 3,000 square foot restaurant with a drive-through.

LOCATION MAP/PROJECT INFORMATION:

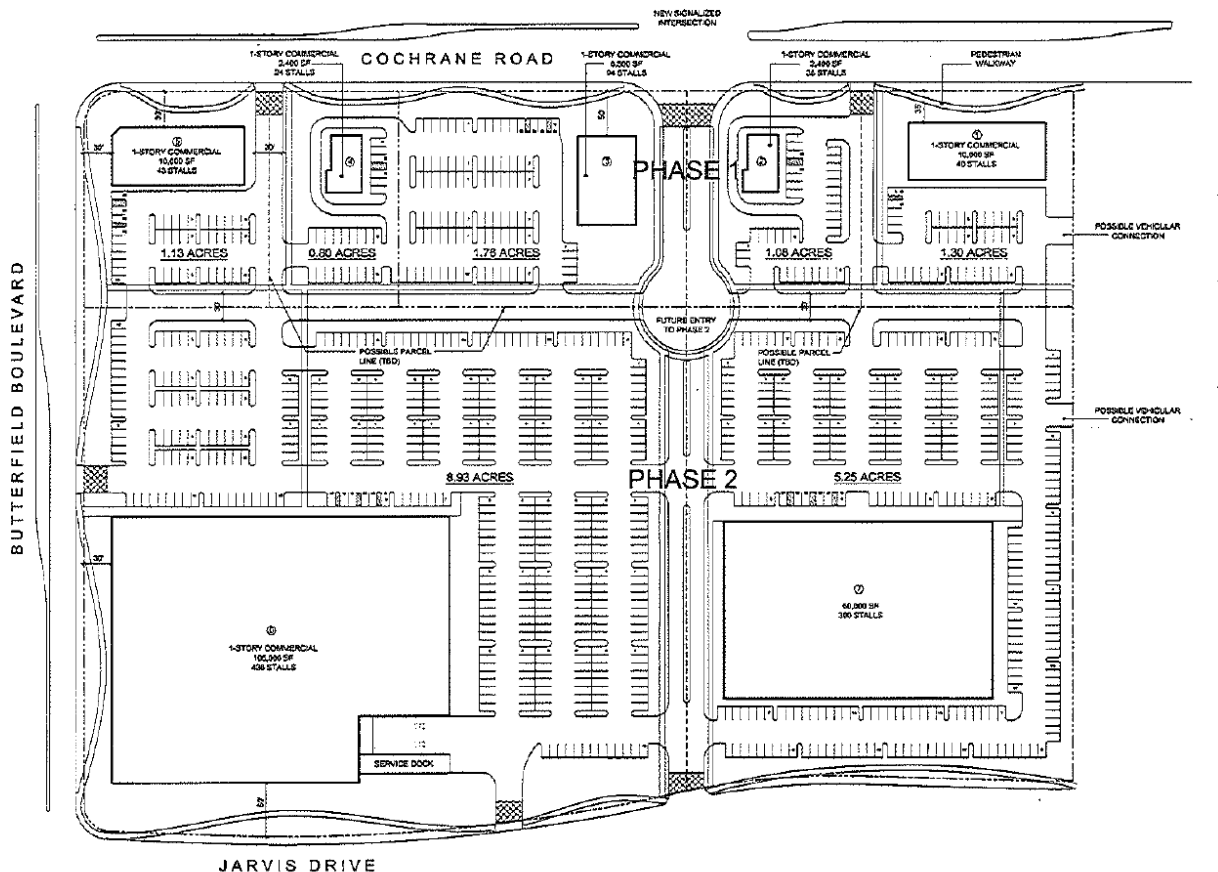


1. Location: Southeast corner of Butterfield Blvd. and Cochrane Rd. (APN 726-58-001 and 726-58-002)

2. Site Area: 1.90 acres
3. General Plan: Commercial
4. Zoning: PUD - CG (Evergreen Village Master Plan PD)
5. Request: Request for a Conditional Use Permit and Design Permit to construct an approximately 3,000 square foot drive-through restaurant (Raising Cane's) within the Evergreen Village

BACKGROUND:

A Conditional Use Permit and Design Permit is requested to construct an approximately 3,000 square-foot drive-through restaurant on a 1.90-acre undeveloped property. The property is located within the Evergreen Village PUD (Attachment 10), which permits up to three drive-through uses and conditionally allows the fourth or more drive-through uses with the approval of a Conditional Use Permit by the Planning Commission. The other three previously approved drive-through uses within the Evergreen Village are the Starbucks, Taco Bell, and 7-Eleven gas station with a drive-through car wash.



The project site was previously part of the Morgan Hill Ranch Business Park Planned Unit Development. On August 8, 2014, the City Council adopted Ordinance No. 2109, N.S. amending the Morgan Hill Ranch PUD to include a Precise Development Plan, now known as a Master Plan for the approximate 20.43-acre site named The Village (ZA-13-12) (Attachment 9). The Master Plan included site development standards and a list of permitted and conditional uses for the site. The project included subdivision of the site into eight parcels, with subsequent development anticipated

to include 196,300 sf of commercial uses over the course of two phases. The PUD allowed for development of several permitted uses, including, but not limited to commercial uses, medical/dental offices, administrative offices, research and development uses, retail, and specifically a maximum of two drive-through restaurants. The PUD allowed for several conditional uses with approval of a CUP, including additional drive-through restaurants beyond the two-restaurant maximum.



Evergreen Village

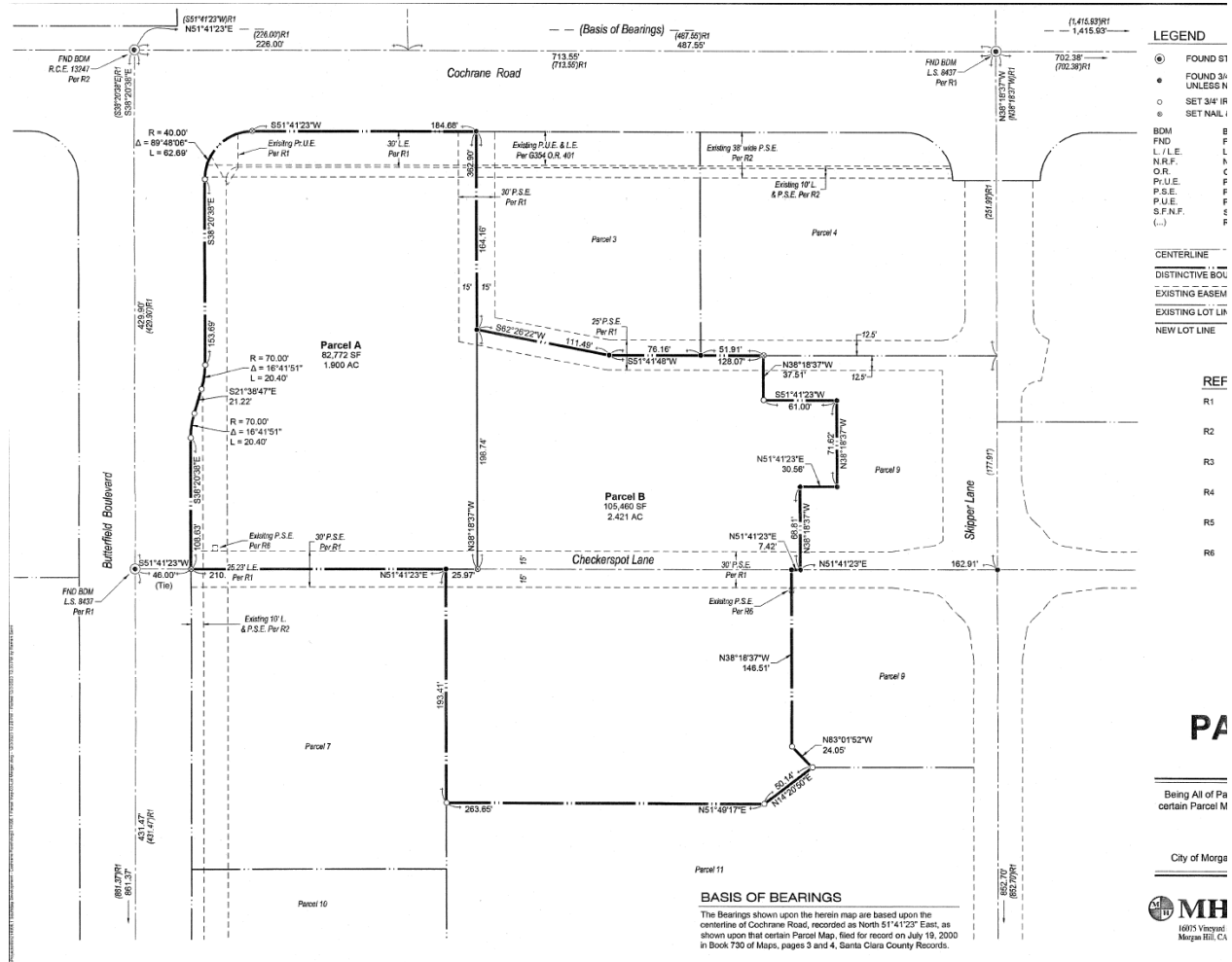
Morgan Hill

California

Proposed

On July 24, 2018, the Planning Commission considered an amendment to the Master Plan and Tentative Subdivision Map (AAE2017-0034, AAE2017-35), recommending City Council approval. The City Council approved the amendments on September 26, 2018, with Ordinance 2279 (Attachment 10). The project is now known as Evergreen Village. Administrative Design Permits have been processed for the following: 1) on and offsite improvements, 2) Starbucks, 3) 7-Eleven Gas Station with Car Wash, 4) Artis Senior Care Facility, 5) Taco Bell, and 6) Hotel. The Evergreen Village PD Master Plan Amendment increased the number of parcels from eight to 12 and identified site-specific uses such as a nine-pump gas station, approximately 10,000 sf of restaurant space,

38,000 sf of retail space, a 110-room hotel, 40,500 sf of office space, and an 85-bed assisted-living facility. This amendment also increased the permitted number of drive-through uses to three, while requiring approval of a Conditional Use Permit for any additional drive-through uses.



The Evergreen Village PD Master Plan has been provided (Attachment 10) allowed for two 6,000 square foot shop buildings on the site comprised of two parcels totaling approximately 2.11 acres. During the review of the PD at the Planning Commission meeting, there was significant discussion regarding the corner treatment of Butterfield and Cochrane and the creation of a plaza between the two proposed buildings. This plaza served as one of the public benefits provided by the development. The other public benefit was a second public plaza intended to be next to the proposed grocery store in the middle of the site near the roundabout. The finding made for the included public benefits is in Ordinance 2279 (Attachment 10). Raising Cane's is proposing to develop an outdoor pedestrian plaza that connects the sidewalks along Cochrane Road and Butterfield Blvd. to the Raising Cane's site and the rest of the Evergreen Village Plaza. The pedestrian plaza will feature shade trees, park benches, a trellis, and landscaping (rendered plaza elevation below). Along with the applications for the required Conditional Use Permit and Design Permit, Raising Cane's also processes a Lot Merger to merge the two parcels into one 1.90-acre parcel. The recorded parcel map has been provided (Attachment 11).



PROJECT DESCRIPTION:

Site Description

The 1.90-acre project site is located southeast of the Cochrane Road and Butterfield Boulevard intersection. Checkerspot Lane is south of the parcel and an unnamed private driveway on the eastern site boundary. The project site is located within the Evergreen Village Planned Development (PD) Master Plan, an approximately 20-acre business park anticipated to consist of various commercial, retail, and office uses at full build out. Currently, the project site is undeveloped but has sidewalks and landscaping along the northern and western property lines.

Surrounding Uses

	General Plan Land Use	Zoning	Existing Use
North	Industrial	IL- Light Industrial	Industrial park/office, animal hospital
South	Commercial	PD (Evergreen Village)	Undeveloped land within Evergreen Village Master Plan
East	Commercial	PD (Evergreen Village)	Starbucks with drive-through, 7-Eleven gas station, convenience store, and drive-through car wash
West	Residential Attached Medium	PUD (Cochrane Village and Madrone Plaza)	Multi-family (Cochrane Village Apartments) and single-family attached (Madrone Plaza Subdivision) housing

Existing drive-through uses in the Evergreen Village Commercial Center include a Starbucks, a 7-Eleven gas station and convenience store with a car wash, and a Taco Bell. A Design Permit has been approved for Taco Bell, but building permits are still pending. Applications for building permits are pending for a Holiday Inn Express hotel that is approved on the parcel that is east of 7-Eleven. A Conditional Use Permit and Design Permit for a Chick-Fil-A drive-through restaurant were approved by the Planning Commission on September 26, 2023 in the Morgan Hill Business Ranch Park at the southwest corner of Cochrane Road and Sutter Blvd. Other drive-through restaurants in the area include McDonald's in the Cochrane Plaza Shopping Center on the southwest corner of Cochrane Road and Madrone Parkway and an In-N-Out Burger on the northeast corner.

Operations

As described in the Project Description/Statement of Operations (Attachment 3), the proposed Raising Cane's restaurant would operate from 9 a.m. to 3:30 a.m., seven days a week. The restaurant would include a dining area, kitchen, and restrooms. Customers would either order inside the restaurant building, online, or from their vehicles using the dual drive-through lane. The dual-lane drive-through would consist of two lanes, each equipped with an ordering board and speaker. There will be approximately 58 seats indoors and 50 seats on the outside patio. The exterior would include an outdoor dining area with covered seating along the southern and western facades of the proposed restaurant. The restaurant would employ approximately 45 to 50 full and part-time employees with an average crew size of 12 crew members per shift. The restaurant will receive fresh chicken deliveries every day, larger truck deliveries for all other supplies will take place approximately three times a week, laundry deliveries twice a week, and trash pick-up five times a week. A covered trash and recycling bin enclosure would be located to the south of the restaurant in the restaurant's parking lot. A total of 50 surface parking stalls would be provided.

Site Plan and Circulation

The proposed project would include development of an approximately 3,000 square foot restaurant with a dual-lane drive-through and a corner plaza with outdoor patio seating. The project would also include development of a 50-space parking lot, associated utility improvements, landscaping, and development of a pedestrian plaza along the northwest corner of the project site adjacent to the intersection of Cochrane Road and Butterfield Boulevard. Water and sewer service would be provided through existing connections to City infrastructure. Stormwater runoff will be collected through several bioretention basins located in the northeastern and southwestern portions of the site and treated before draining into the storm drain line.

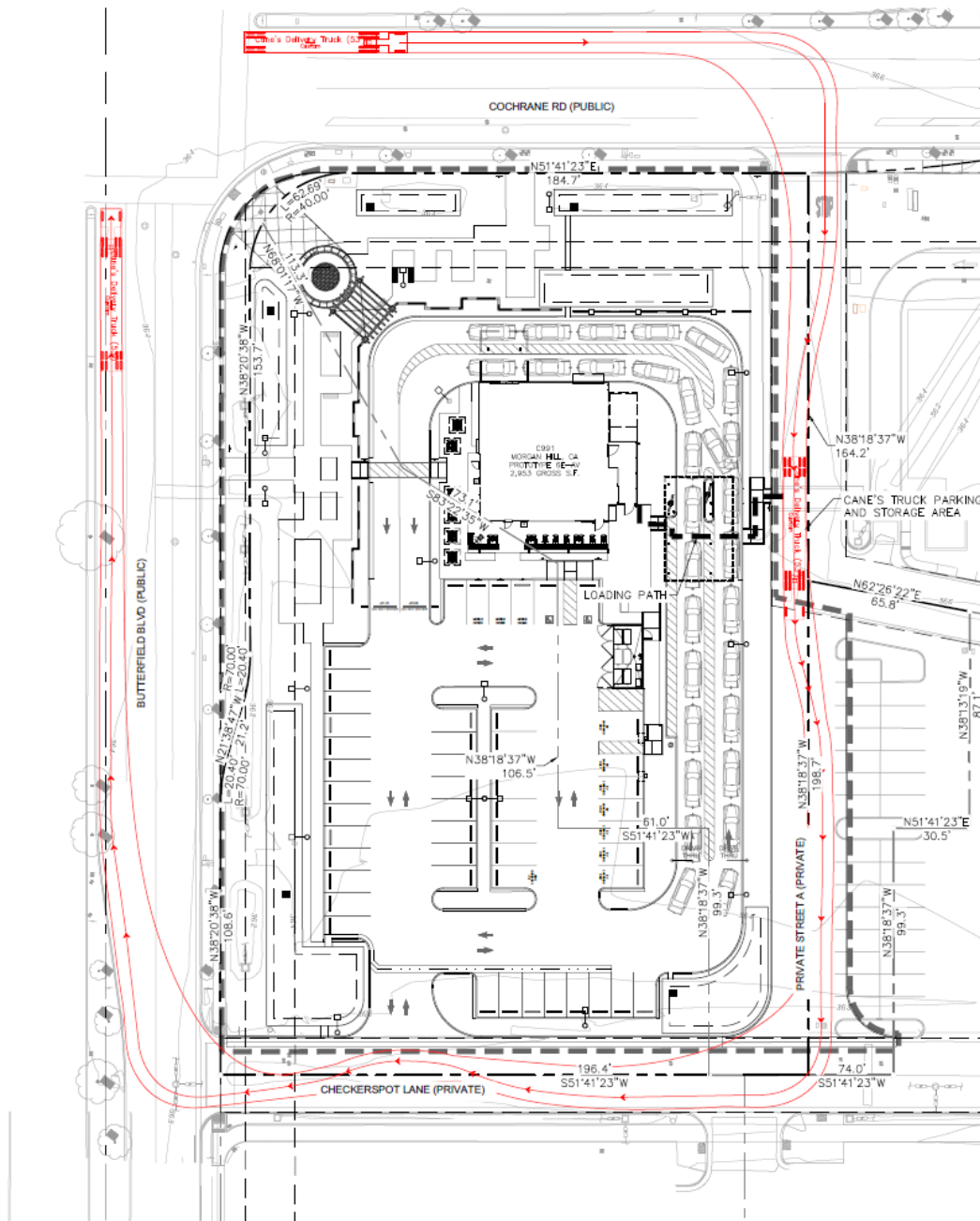
Site access would be provided from Checkerspot Lane, which is a private right-of-way with the Evergreen Village Plaza located along the southern property boundary line. Private Street A, as shown on the Evergreen Village Master Plan, bounds the eastern property boundary line and will be extended south to provide site access for vehicles from Cochrane Road turning right into the Evergreen Village Plaza, heading south on Private Street A, turning right onto Checkspot Lane, and finally right into the Raising Cane's parking lot. Vehicles heading north on Butterfield Boulevard will also be able to turn right into the Evergreen Village Plaza onto Checkspot Lane, and make an almost immediate left into the Raising Cane's parking lot. The project site will have a standard 25-foot wide

driveway to access the parking lot. Internal drive aisles on-site will be 25-feet wide.

The proposed dual-lane drive-through would include two parallel 11-foot-wide travel lanes separated by a four-foot divider. Each lane would have a maximum queue capacity of 14 vehicles, assuming 20 feet per vehicle and full utilization of each lane between the drive-through entrance and pick-up window. Upon entering the project site from Checkerspot Lane, vehicles would immediately turn towards the east to access the dual-lane drive-through. From the drive-through entrance, the dual lanes would proceed towards the north along the eastern site boundary and eventually loop around the proposed restaurant. During normal operations, vehicles would merge into a single lane as they proceed past the ordering board. Vehicles would exit the dual-lane drive-through to the southwest of the restaurant and exit the project site through the proposed surface parking lot.

The parking lot will have a total of 50 parking stalls, two stalls will be ADA-compliant, six stalls will be EV capable, and two stalls will include EV charging stations. There is both short-term and long-term bicycle parking on the northeast corner of the parking lot. There are existing sidewalks along Cochrane Road, Butterfield Boulevard, and an approximately 35-foot long sidewalk along the eastern property line and Private Street A. From the existing sidewalk stub, a new sidewalk would extend southward along a portion of the eastern site boundary and would include an ADA-compliant ramp immediately south of the drive-through ordering boards. Additionally, from the existing sidewalks along Cochrane Road and Butterfield Boulevard, three new paved pathway connections would extend into the site and connect to the outdoor pedestrian plaza area in the northwestern portion of the site.

Delivery trucks would enter the Evergreen Village project site heading eastbound on Cochrane Road, turning right onto Private Street A. Delivery trucks would stop along a designated truck parking area along Private Street A, adjacent to the pedestrian walkway along the eastern boundary and drive-throughs. The trucks would then continue through the internal streets and exit the Evergreen Village Plaza. Civil plans that include preliminary truck turn exhibits have been attached (Attachment 4). Deliveries would occur three times per week and would be scheduled during non-peak hours.



PROJECT ANALYSIS AND FINDINGS:

ANALYSIS

The proposed project was analyzed with respect to conformance with: 1) Morgan Hill 2035 General Plan; 2) Zoning Ordinance 3) Findings and 4) California Environmental Quality Act:

1. General Plan Land Use Consistency

The proposed project is consistent with the Commercial General Plan land use designation that is primarily located along arterial roadways west of Highway 101 and along the eastern freeway frontage. This designation is intended to allow a wide range of retail businesses, administrative and

executive office uses, and professional services, either in stand-alone buildings or as part of shopping centers. The proposed project aligns with the following General Plan Goals and Policies that are relevant to the proposed Use Permit.

Policy CNF- 4.9 Orderly Growth. Urban growth should occur in an orderly and contiguous pattern, within the designated Urban Service Area, encouraging infill of vacant urban land.

The proposed project is infill development within the City's Urban Service area that is served by existing roads, infrastructure and services.

Policy CNF-8.1 High Quality Design. Require all development to feature high quality design that enhances the visual character of Morgan Hill.

Policy CNF-8.6 Franchise Architecture. Discourage the use of "franchise architecture."

Policy CNF-8.7 Design Sensitivity. Ensure that new development is sensitive to the character of adjacent structures and the immediate neighborhood.

The site and building will feature wide drive aisles, abundant landscaping throughout the site, and use of a variety of building materials such as brick and recycled metal from old cars to construct the signature "1" architectural feature of the building. Each Raising Cane's building also hires local muralists to paint a mural displaying local community history, landmarks, and character.

Policy CNF-8.9 Commercial Landscaping. Encourage new commercial development to provide outdoor areas and landscaping and tree canopy to enhance the surroundings.

Policy CNF-8.11 Pedestrian Spaces. Encourage the design of attractive outdoor pedestrian spaces that encourage impromptu public gathering places with features such as plazas, interior walkways and paseos, ornamental gates, trellises, lighting, trees and landscaping, seating and fountains.

Raising Cane's will develop a pedestrian plaza along the northwestern portion of the site that will feature landscaping, shade trees, park benches, and a shade structure. This plaza has pedestrian access from Cochrane Road and Butterfield Boulevard and provides access and connectivity to Raising Cane's and the greater Evergreen Village Plaza.

Policy ED–2.2. Economic Development to Manage Fiscal Impacts. Encourage economic development that addresses community needs and minimizes negative impacts on services, including impacts on water, stormwater, and wastewater.

The City of Morgan Hill will benefit from increased tax revenue generated by a Raising Cane restaurant. This revenue can be used to fund public services and infrastructure projects that contribute to economic development.

GOAL ED-7 Thriving stores, restaurants, and shopping centers that meet local resident shopping needs and also attract regional shoppers and tourists.

Policy ED 7.1 Shopping Center and Other Commercial Development. Support the development of retail facilities to meet local demand and regional market opportunities, including the overlap between visitor and resident serving uses, by encouraging retail goods and services that serve both market segments.

Policy ED 7.2 Regional Retail Facilities. Support the development of regional retail facilities that are visible and accessible from the City's freeway exits, to provide easy access by local residents as well as shoppers traveling from outside the City.

Raising Cane restaurants are a well-known fast-food chain that has attracted regional attention. Establishing a location in Morgan Hill can attract customers from nearby areas, leading to increased foot traffic in shopping centers or commercial districts. This can indirectly benefit other local businesses by exposing them to potential customers.

Policy TR-3.4 Level of Service Standards. The Level of Service (LOS) policy and design criteria for roadway improvements, use a Tiered LOS Standard.

According to the City of Morgan Hill level of service guidelines, development is said to create a significant adverse effect on traffic conditions at a signalized intersection if for either peak hour:

1. The level of service at the intersection degrades from an acceptable level (LOS D or LOS E as identified above) under no project conditions to an unacceptable level (LOS E or F) under project conditions, or
2. The level of service at the intersection is an unacceptable level (LOS E or F as identified above) under no project conditions and the addition of project trips causes the average critical delay to increase by four (4) or more seconds and the volume-to-capacity ratio (V/C) to increase by 0.01.

Project Trip Generation and LOS Analysis

As indicated in the Trip Generation and Operation Analysis (Attachment 12, Appendix A) project trip generation was estimated by applying to the size and use of the development the appropriate trip generation rates. The average trip generation rates for Fast-Food Restaurant with Drive-Through Window (Land Use 934) as published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition (2021) were applied to the proposed project size of 2,899 square feet. Based on the trip generation rates and the project size, it is estimated that, prior to any trip reductions, the proposed development would generate 1,355 daily trips and 96 trips (50 inbound and 46 outbound) during the PM peak-hour. When taking into account pass-by-trips, or trips made by drivers who already pass by the project site on an adjacent street on route to another destination, such as work to home, the trips generated are reduced further. A 50 percent pass-by reduction was assumed for the estimated daily and PM peak-hour trips. After subtracting pass-by trips, the project is expected to generate 677 primary vehicle trips per day, with 48 primary vehicle trips (25 inbound and 23 outbound) in the PM peak hour.

The results of the intersection level of service analysis show that all study intersections currently operate at an acceptable LOS D or better conditions under existing conditions, and the addition of project traffic would not result in the degradation of the study intersections' levels of service during the PM peak hour under existing plus project conditions.

2. Zoning Ordinance Consistency

The site is zoned for General Commercial (CG) and is within the Evergreen Village Master Plan PD zoning district. The Master Plan defines permitted, and conditional uses allowed within "The Village." A maximum of three drive-through uses are permitted while the fourth or more drive-through uses are conditionally allowed and require a Conditional Use Permit. Development standards for the uses are outlined in the PD Master Plan. The proposal is consistent with all provisions in the Zoning Code and the Evergreen Village Master Plan Planned Development as demonstrated below.

"Evergreen Village" PUD Site Development Standards

A. Maximum building size shall be per the approved PD Master Plan

The project site is located on the northwest corner of the Evergreen Village Plaza, comprising of the parcels for "Shops 1" and "Shops 2". Raising Cane's has recorded a Parcel Map Lot Line Adjustment and Lot Merger to combine these two parcels (Attachment 11). The approximately 3,000 square foot Raising Cane's restaurant is under the 12,000 square foot total building size originally contemplated for Shops 1 and 2. Therefore, the project complies with the maximum building size standard.

B. Building location shall be per the approved PD Master Plan.

The footprint of the proposed Raising Cane's restaurant is in the same approximate location as "Shop 1" shown in the Master Plan below. The proposed project complies with the building location standard.

C. Building setbacks shall be per the approved PD Master Plan.

There are 30-foot landscape easements along the western and northern property boundaries. The proposed Raising Cane's restaurant will be located in the same approximate location as "Shop 1" shown in the Master Plan below and will therefore meet and comply with the building setback standards established in the approved PD Master Plan.

D. Maximum building height for all others - 50 feet.

The proposed Raising Cane's restaurant will be approximately 21 feet tall.



Noise

During construction of the proposed project, heavy-duty equipment would be used for demolition, grading, excavation, paving, and building construction, which would result in temporary noise level increases while in operation. The City's standard condition of approval restricting construction hours and requiring the use of best available technology by construction contractors will minimize excessive noise from construction equipment. Construction noise from the project is not expected to significantly increase ambient daytime noise levels.

Operations associated with the proposed project would generate noise associated with parking lot movements, drive-through operations (vehicle passages and amplified ordering board noise), on-site vehicle circulation, outdoor patio noise (patrons conversing), delivery truck circulation and delivery activities, and non-transportation sources, such as landscaping, maintenance, and heating, ventilation, and air conditioning (HVAC) equipment. As discussed in the Environmental Noise and Vibration Assessment (Attachment 12, Appendix F), none of the noise generation sources would substantially increase noise levels from what currently exists in the project area. However, Raising Cane's proposed hours of operations are from 9:00 AM to 3:30 AM. Due to the proximity of nearby residential uses, staff recommends the outdoor patio dining area and be limited to be closed no later than midnight to minimize potential noise impacts on the neighboring residential areas.

Traffic/Access/Circulation

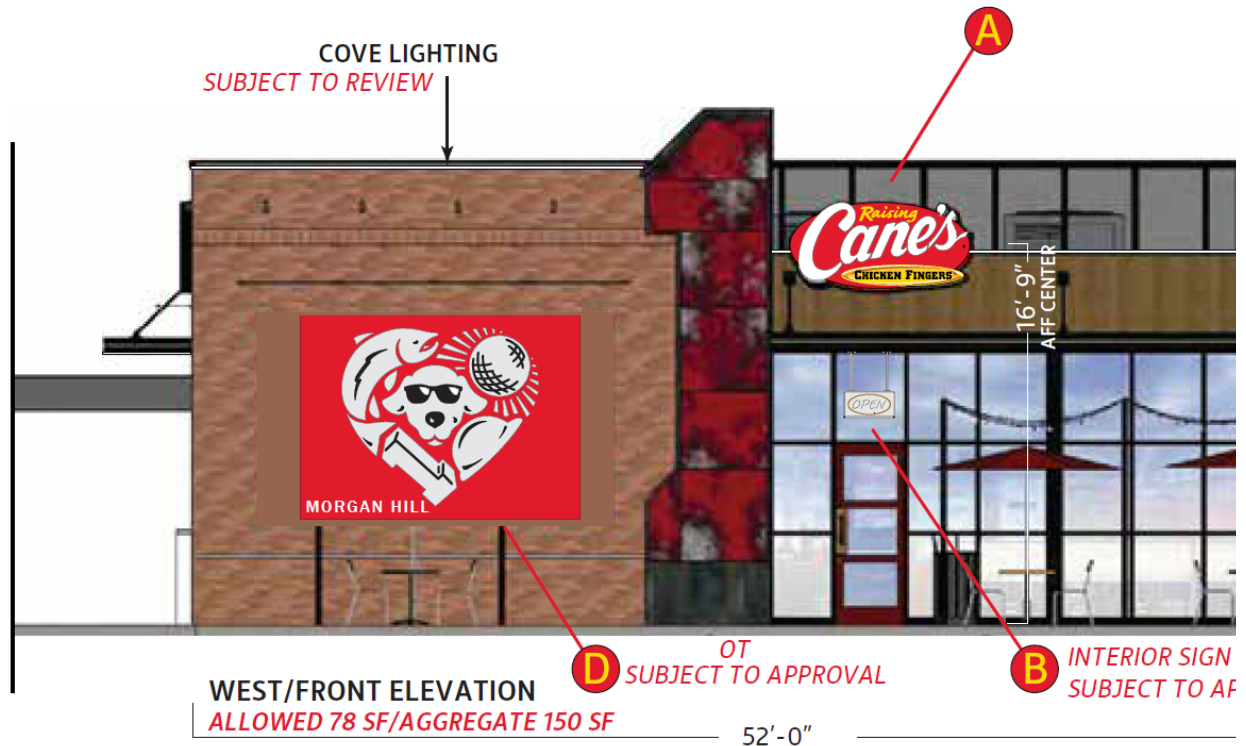
The proposed project may presumed to be a local-serving facility and would, therefore, have a less-than-significant impact on VMT. Access to the site will be served by driveways along Butterfield Boulevard onto Checkerspot Lane and Cochrane Road onto Private Street A. Access to the Raising Cane's parcel will be provided by a driveway on the southern portion of the parcel connecting to Checkerspot Lane. According to the analysis presented in the Trip Generation and Operations Analysis (Attachment 12, Appendix A) all the studied driveways and circulation patterns are not anticipated to experience operational issues.

Parking

According to the City of Morgan Hill Parking Ordinance (Table 18.72-2), fast-food restaurants are required to provide on-site vehicular parking at a rate of 1 space per 100 square feet for establishments with more than 12 seats. Therefore, the proposed 2,899 square foot fast-food restaurant would require a total of 29 vehicular parking spaces. Per the site plan, the project proposes a total of 50 on-site parking spaces. Therefore, vehicle parking as proposed by the project will meet the off-street parking requirement for the site. Additionally, the California Building Code (Table 11B-208.2) requires 2 accessible parking spaces to be provided within parking facilities containing a total of 26 to 50 parking spaces. The proposed 2 accessible parking spaces would meet this requirement. The project will also comply with the California Building Code requirements regarding electrical vehicle charging infrastructure by providing ten percent of parking spaces as EVCS with Level 2 EV ready.

Signage

Raising Cane's proposed signage meets the sign standards in the Evergreen Village Master Sign Program. In addition to the standard Raising Cane building mounted logo signs, the western elevation will also feature a Morgan Hill-centric mural that highlights local landmarks and community character. City staff will work with Raising Cane's to review and provide final approval of the mural. Specific approval of all other on-site signage will require a Sign Permit from the Planning Division.



Drive-through Facilities

Drive-through facilities are subject to the supplemental standards contained in Chapter 18.92.040. As discussed in the Trip Generation and Operations Analysis (Attachment 12, Appendix A), the proposed project exceeds the minimum requirements for a drive-through use below:

1. Drive-through lanes for fast food restaurants shall have a capacity for at least eight vehicles, at 20 feet per vehicle.

The project has a capacity of 28 vehicles, which exceeds this requirement.

2. The drive-through lanes are separate from the drive aisles, serving the project's surface parking lot.

The proposed drive-through lanes are separated from the parking lot and would not interfere with the ingress and egress of vehicles to/from the project site.

3. Pedestrian access routes shall not cross a drive-through lane within the minimum stacking space distance (8 vehicles).

As shown on the site plan, a pedestrian walkway would be located just before the order boards across both drive-through lanes, approximately 6 car-lengths (for a total capacity of 12 vehicles) back from the pick-up window. Thus, the location of the proposed pedestrian access route would meet minimum requirements, assuming that both lanes are utilized between the drive-through window and order boards.

4. Vehicular entrance or exit to a drive-through establishment shall be setback from the nearest public street intersection.

The existing driveway at Butterfield Boulevard/Checkerspot Lane is located approximately 330 feet south of Cochrane Road and 460 feet north of Jarvis Drive. This meets the required separation of at least 115 feet for roadways with a posted speed limit of 45 mph without a median opening.

According to the Traffic Operation Analysis, vehicle queues were observed at three Raising Cane's restaurants with two drive-through lanes during the weekday AM and PM peak-hours, as well as the Saturday lunchtime period, to confirm that the proposed drive-through storage would meet demand. The maximum queue observed during weekdays was a total of 23 vehicles across two drive-through lanes during the PM peak-hour, while the maximum queue observed during the Saturday lunchtime period was 25 vehicles. Thus, the proposed drive-through with a total capacity of up to 28 vehicles is expected to have adequate capacity to accommodate expected queues during peak periods and not expected to spill over onto Checkerspot Lane or Butterfield Boulevard. However, it is recommended Raising Cane's develop a queue management plan that can be implemented during high demand periods to prevent the potential for the drive-through queues to inhibit circulation within the project parking lot and block access to adjacent properties. The preparation of a queue management plan is recommended by staff as a condition of approval of the Conditional Use Permit.

3. Findings

a. Conditional Use Permit

In reviewing the application for a Conditional Use Permit, the Planning Commission shall consider the following:

1. The proposed use is allowed in the applicable district.

The proposed Raising Cane's restaurant will be the fourth drive-through facility in the Evergreen Village Master Plan PD. The fourth or greater drive-through use is identified as a "Conditional Use" in the PD Master Plan.

2. The proposed use is consistent with the General Plan, Zoning Code, and any applicable specific plan or area plan adopted by the City Council.

The proposed use is considered a commercial use that is consistent with the Commercial General Plan designation on the site. As previously indicated, the project is consistent with the CG/PD zoning on the property. The proposed site plan conforms with the Development Standards of the Evergreen Village Master Plan PD zoning district and the Design Review Handbook for commercial uses.

3. The site is suitable and adequate for the proposed use.

The site is appropriately zoned and of adequate size to accommodate the proposed use. The project as proposed conforms with the supplemental standards for drive-through facilities in MHMC Chapter 18.92.040 including drive-through lane capacity and intersection separation requirements.

4. The location, size, design, and operating characteristics of the proposed use will be compatible with the existing and future land uses in the vicinity of the property.

The proposed restaurant is located within a primarily commercial area and is similar in size, design and operating characteristics with similar existing and planned drive-through uses within the adjacent Evergreen Village Commercial Center, Chick-Fil-A restaurant within the Morgan Hill Business Ranch Park, and in the Cochrane Plaza to the east on Cochrane Road.

5. The proposed use will not be detrimental to the public health, safety, and welfare of persons residing or working in the surrounding areas.

The project's operations would not adversely affect public health, safety, or welfare as it conforms with the applicable Zoning code, Evergreen Village PUD development standards, and Municipal code performance standards for drive-through uses. A noise analysis (Attachment 12, Appendix F) was performed to demonstrate that the surrounding uses would not be impacted by noise from the new restaurant operations. The project will comply with stormwater and building code requirements.

6. The proposed use would not have a substantial adverse effect in traffic circulation and on the planned capacity of the street system.

An intersection level of service analysis was performed in conjunction with the attached Trip Generation and Operations Analysis (Attachment 12, Appendix A) that shows that intersections in the vicinity currently operate at an acceptable LOS D or better conditions under existing conditions, and the addition of project traffic would not result in the degradation of the study intersections' levels of service during the AM and PM peak hours under existing plus project conditions.

7. The proposed use is properly located within the city and adequately served by existing or planned services and infrastructure.

The proposed project is within the Evergreen Village Master Plan Plaza and is located within a developed area that is adequately served by existing or planned services and infrastructure.

b. Design Permit

A Design Permit is a discretionary action that enables the City to ensure that the proposed development has high quality design consistent with the General Plan and any other applicable specific plan or area plan adopted by the City Council. The Design Permit process is also intended to ensure that new development and uses are compatible with their surroundings and minimize negative impacts on neighboring properties. The Design Permit does not consider or permit the use of a building – it considers the design of the building and the site the building is located upon. In accordance with Section 18.108.040.B (Reviewing Authority), the Community Development Director (Development Services Director) is the reviewing body to act on all Design Permit applications unless the Director finds that project to be significant. However, the Director may refer any Design Permit application to the Planning Commission for review and final decision. When considering the Design Permit, the City shall evaluate applications to ensure that they satisfy the following criteria: conform to the policies of the General Plan, and any applicable specific plan, and are consistent with any other policies or guidelines the City Council may have adopted. To approve a Design Permit, the reviewing authority shall make the following findings:

1. The proposed project is consistent with the General Plan and any applicable specific plan, area plan, or other design policies and regulations adopted by the City Council.

The proposed use is considered a commercial use that is consistent with the Commercial General Plan designation on the site. As previously indicated, the project is consistent with the CG/PD zoning on the property. The proposed site plan conforms with the Development Standards of the Evergreen Village Master Plan PD zoning district and the Design Review Handbook for commercial uses.

2. The proposed project substantially complies with all applicable design standards and guidelines contained in the Design Review Handbook.

The proposed project substantially complies with all applicable design standards and guidelines

contained in the Design Review Handbook including;

- Architectural Elements to break up long horizontal roof lines.
- Roof lines that screen roof-mounted equipment
- Consistent design with surrounding development and character
- Does not utilize "chain" architecture
- Screening of drive-through lanes and parking areas

3. The proposed project has been reviewed in compliance with the California Environmental Quality Act (CEQA).

An initial study was prepared (Attachment 12) that supports a determination that the proposed project qualifies for an exemption under CEQA Guidelines Section 15332, Class 32 for infill developments.

4. The proposed project development will not be detrimental to the public health, safety, or welfare or materially injurious to the properties or improvements in the vicinity.

The project's operations would not adversely affect public health, safety, or welfare as it conforms with the applicable Zoning code, Evergreen Village PUD Master Plan development standards, and Municipal code performance standards for drive-through uses. A noise analysis was performed to demonstrate that the surrounding uses would not be impacted by noise from the new restaurant operations. The project will comply with stormwater and building code requirements.

5. The proposed project complies with all Design Review criteria in subsection H. of Section 18.108.040 of the municipal code.

The project as proposed complies with all criteria in subsection H of Section 18.108.040 (Design Review Criteria) of the Morgan Hill Municipal Code.

1. **Community Character.** The proposed development is compatible with and preserves the character and distinctive sense of place for Morgan Hill. The building design utilizes a variety of materials using stucco, glass, metal, brick, mortar, and wood composite panels on all sides to create visual interest, lessen the mass of the building, and add visual appeal in accordance with the Morgan Hill Architectural Review Handbook. Landscaping is designed to complement the building design, providing additional visual interest and screening.

2. **Neighborhood Compatibility.** The proposed development incorporates appropriate height, massing and intensity compatible with adjacent buildings. The project height, massing and intensity are consistent and compatible with the adjacent properties.

3. **Pedestrian Environment.** The proposed development incorporates sidewalks, connections to public ways and an outdoor dining to support an active public realm and an inviting pedestrian environment.

4. **Privacy.** The proposed development locates buildings and building entrances, windows and doors with an adequate buffer including landscaping for privacy from adjacent properties and for project occupants.

5. **Safety.** The proposed development promotes safety and minimizes opportunities for crime by locating main entrances visible from adjacent main roads.

6. **Massing and Scale.** The proposed development architecture complements and respects

the neighboring structures. Large volumes are divided into small components with varying wall planes, material, color, and vertical articulation. Building size and scale are comparable with other buildings in the area.

7. **Architectural Style.** The proposed development features an architectural style that is compatible with the surrounding developments and natural features with a design that is original.

8. **Articulation and Visual Interest.** The proposed development uses vertical and horizontal articulation appropriately to add visual interest, distinctiveness and human scale. Doors, windows, canopies and building projections are integrated with the design to relate to human scale. Storefront trim, banding, mullion design and canopies contribute to the visual interest of the building.

9. **Materials.** The building facades include a mix of materials including stucco, glass, steel and wood and are appropriately designed for this architectural style and compatible with the surrounding development.

10. **Parking and Access.** Primary access to the project site would be provided from a 25-foot-wide driveway in the southern corner of the project site, which would connect to Checkerspot Lane and Private Street A and allow vehicles to circulate through the Evergreen Village Plaza and connect to Butterfield Boulevard and Cochrane Road.

11. **Landscaping.** The proposed landscape planting provides new trees, screen planting, and shrubs that will enhance the surrounding area and are appropriate to the site.

12. **Open Space and Public Places.** The proposed development provides a covered outdoor seating area in addition to the indoor seating provided. The project will also construct a pedestrian plaza with trees, landscaping, a shade trellis, and park benches that will serve as a gathering place and connect pedestrian walkway and allow access to the restaurant and Evergreen Village Plaza.

13. **Signs.** The proposed address signage is appropriate and compatible with the project design and surrounding context. A separate sign application will be submitted for project signage.

14. **Lighting.** The proposed exterior lighting is designed and located to minimize illumination of the sky and adjacent properties.

15. **Accessory Structures.** The proposed development provides for enclosed trash collection. These accessory structures utilize the same material, color and design as the primary structure.

16. **Mechanical Equipment, Trash Receptacles, and Utilities.** The proposed development provides enclosures for trash receptacles and utilities are screened by landscaping.



CONCLUSION:

Based on the analysis presented in this staff report, staff recommends approval of the proposed Conditional Use Permit and Design Permit.

CEQA (California Environmental Quality Act):

An Initial Study (Attachment 12) was prepared in compliance with the California Code of Regulations Government Code Sections 15300.2 and 15332, and the regulations and policies of the City of Morgan Hill, California. This Initial Study supports the determination that the proposed project qualifies for an exemption under CEQA Guidelines Section 15332, Class 32 for infill developments. Furthermore, the proposed project is not subject to any of the exceptions set forth in Section 15300.2 of the CEQA Guidelines. The Development Services Director has concluded that the project proposed for Raising Cane's is categorically exempt pursuant to Section 15332 of the CEQA Guidelines for In-Fill Development.

COMMUNITY ENGAGEMENT:

The proposed project was publicly noticed (mailing to property owners within 300 feet of the project and newspaper legal noticing) for the minimum 10-day period. A sign was also posted on the site regarding the pending project.

ATTACHMENTS:

1. PC Resolution 24-04 Use Permit
2. PC Resolution 24-05 Design Permit
3. Operation Description

4. Project Plans (site, civil, truck circulation)
5. Exterior Colored Elevations
6. Signs Brandbook
7. Landscape Plans
8. Plaza Renderings
9. Ordinance 2109 N.S.
10. Ordinance 2279 N.S.
11. Parcel Map Lot Merger - Raising Cane's - Evergreen Village
12. Raising Cane's CatEx CEQA Checklist w/Appendices

RESOLUTION NO. 24-04

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF MORGAN HILL APPROVING A CONDITIONAL USE PERMIT (UP2023-0002), TO ALLOW AN APPROXIMATELY 3,000 SQUARE FOOT DRIVE-THROUGH RESTAURANT LOCATED ON THE SOUTHEAST CORNER OF COCHRANE RD. AND BUTTERFIELD BLVD. (APNS 726-58-001 and 002)

WHEREAS, on April 21, 2023 an application was submitted by Raising Cane's for the request of a Conditional Use Permit to allow an approximately 3,000 square foot drive-through restaurant; and

WHEREAS, such request was considered by the Planning Commission at its regular meeting of April 23, 2024; and

WHEREAS, pursuant to the Morgan Hill Municipal Code Section 18.136.050.A, the Director of Development Services determined the project exempt from the California Environmental Quality Act (CEQA) as it meets the criteria for the Infill Development Project Exemption (Guidelines Section 15332); and

WHEREAS, testimony was received at the duly noticed public hearing, along with exhibits and drawings and other materials on April 23, 2024; and

WHEREAS, the City of Morgan Hill is the lead agency on the Project, and the Planning Commission is the decision-making body for the proposed Project.

NOW, THEREFORE, THE MORGAN HILL PLANNING COMMISSION DOES RESOLVE AS FOLLOWS:

SECTION 1. The Project approved pursuant hereto is exempt from the California Environmental Quality Act (CEQA) as the environmental checklist provides substantial evidence that the proposed project can be considered exempt from the California Environmental Quality Act on the basis that it meets the criteria for the Infill Development Project Exemption (Guidelines Section 15332) and does not meet any of the exceptions for exemptions (Guidelines Section 15300.2).

SECTION 2. The approved Conditional Use Permit has been found consistent with the Findings of approval contained in Section 18.108.030 of the Zoning Code and hereby adopted:

a. The proposed use is allowed in the applicable district.

The proposed Raising Cane's restaurant will be the fourth drive-through facilities in the Evergreen Village Master Plan PD. The fourth or greater

drive-through use are identified as a “Conditional Use” in the PD Master Plan.

- b. The proposed use is consistent with the General Plan, Zoning Code, and any applicable specific plan or area plan adopted by the City Council.**

The proposed use is considered a commercial use that is consistent with the Commercial General Plan designation on the site. As previously indicated, the project is consistent with the CG/PD zoning on the property. The proposed site plan conforms with the Development Standards of the Evergreen Village Master Plan PD zoning district and the Design Review Handbook for commercial uses.

- c. The site is suitable and adequate for the proposed use.**

The site is appropriately zoned and of adequate size to accommodate the proposed use. The project as proposed conforms with the supplemental standards for drive-through facilities in MHMC Chapter 18.92.040 including drive-through lane capacity and intersection separation requirements.

- d. The location, size, design, and operating characteristics of the proposed use will be compatible with the existing and future land uses in the vicinity of the property.**

The proposed restaurant is located within a primarily commercial area and is similar in size, design and operating characteristics with similar existing and planned drive-through uses within the adjacent Evergreen Village Commercial Center, Chick-Fil-A restaurant within the Morgan Hill Business Ranch Park, and in the Cochrane Plaza to the east on Cochrane Road.

- e. The proposed use will not be detrimental to the public health, safety, and welfare.**

The project's operations would not adversely affect public health, safety, or welfare as it conforms with the applicable Zoning code, Morgan Hill Business Ranch development standards, and Municipal code performance standards for drive-through uses. A Noise analysis was performed to demonstrate that the surrounding uses would not be impacted by noise from the new restaurant operations. The project will comply with stormwater and building code requirements.

- f. The proposed use would not have a substantial adverse effect on traffic circulation and on the planned capacity of the street system.**

An intersection level of service analysis was performed in conjunction with the attached Trip Generation and Operations Analysis that shows that intersections in the vicinity currently operate at an acceptable LOS D or better conditions under existing conditions, and the addition of project traffic would not result in the degradation of the study intersections' levels of service during the AM and PM peak hours under existing plus project conditions.

- g. The proposed use is properly located within the city and adequately served by existing or planned services and infrastructure.**

The proposed project is within the Evergreen Village Master Plan Plaza and is located within a developed area that is adequately served by existing or planned services and infrastructure.

SECTION 4. The Planning Commission hereby approves the Conditional Use Permit subject to the conditions set forth in Exhibit A attached hereto and incorporated herein this reference. Any expansion, intensification, or changes to the use approved under this conditional use permit deemed major by the Development Services Director shall be permitted only upon amendment of this Conditional Use Permit or approval of a separate Conditional Use Permit application.

PASSED AND ADOPTED THIS 23rd DAY OF APRIL 2024, AT A REGULAR MEETING OF THE PLANNING COMMISSION BY THE FOLLOWING VOTE:

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ATTEST:

APPROVED:

JENNA LUNA, Deputy City Clerk

WAYNE TANDA, Chair

EXHIBIT "A"
STANDARD CONDITIONS

APPLICATION NO: UP2023-0002: Cochrane – Raising Cane’s

THE FOLLOWING APPROVAL REQUIREMENTS AND ANY SPECIAL CONDITIONS SHALL BE APPLIED THROUGH THE DEVELOPMENT APPROVAL PROCESS.

Legend

MHMC= Morgan Hill Municipal Code

MHARH= Morgan Hill Architectural Review Handbook

CMH= City of Morgan Hill

CFC= California Fire Code

I. PROJECT DESCRIPTION

The proposed project includes a Conditional Use Permit to allow an approximately 3,000 square foot drive-through restaurant on a 1.90-acre property.

The project shall comply with all requirements of related project approvals granted by the City, including all of the following:

- A. Design Permit SR2023-0009
- B. Environmental Assessment EA2023-0003

II. PROJECT CONDITIONS OF APPROVAL

It shall be the responsibility of the applicant to ensure that any changes or modifications to the Project are in compliance with the original City Conditions of Approval of the Project, which are hereby incorporated herein as set forth in full.

PLANNING DIVISION

- A. **Conditional Use Permit.** This Conditional Use Permit approval is limited to the Project Description above and the plan set on file (UP2023-0002) with the Development Services Department. The proposal will require approval of a Design Permit prior to submittal of a building permit. The approved building plans and landscape plans must be in substantial conformance with the approved Use Permit and future Design Permit plans as determined by the Development Services Director.
- B. **Time Limits:** The conditional use permit approval granted pursuant to this Resolution shall remain in effect for two years from the approval date. Failure to exercise this use within this term shall result in termination of approval unless an

extension of time is granted with a showing of just cause prior to the expiration date. **(MHMC 18.108.040 and 18.104.210)**

- C. A queue management plan is required prior to the issuance of a building permit to be implemented during abnormally high demand periods to ensure that circulation within the site parking lot and on adjacent drive aisles would not be negatively affected by drive-through operations.
- D. The Conditional Use Permit is approved solely for the operation of a drive-through restaurant as described in the applicant's proposed statement of operations on file with the Planning Division and as explained in the staff report. Any expansion, intensification, or changes to the uses approved under this Conditional Use Permit shall be permitted only upon amendment of this Conditional Use Permit or approval of a separate Conditional Use Permit.
- E. **Defense and Indemnity.** As part of, and in connection, with this application to the City of Morgan Hill, Applicant agrees to defend, indemnify, and hold harmless the City of Morgan Hill, its officers, agents, employees, officials and representatives (Indemnitees) from and against any and all claims, actions, or proceedings arising from any suit for damages or for equitable or injunctive relief which is filed against City to attack, set aside, void or annul its approval of this application or any related decision, or the adoption of any environmental documents which relates to said approval. The City shall promptly notify the Applicant of any such claim, action or proceeding and the City shall cooperate fully in the defense thereof. In the event that Applicant is required to defend Indemnitees in connection with the proceeding, Indemnitees shall retain the right to approve (a) the counsel to so defend Indemnitees; (b) all significant decisions concerning the manner in which the defense is conducted; and (c) any and all settlements, which approval shall not be unreasonably withheld. This indemnification shall include but is not limited to, (a) all pre-tender litigation costs incurred on behalf of the City, including City's attorney's fees and all other litigation costs and expenses, including expert witnesses, required to defend against any lawsuit brought as a result of City's approval or approvals; (b) reasonable internal City administrative costs, including but not limited to staff time and expense spent on the litigation, after tender is accepted; and (c) all damages, costs, expenses, attorney fees or expert witness fees that may be awarded to the prevailing party arising out of or in connection with the approval of the application or related decision. City may, in its sole discretion, participate in the defense of such action; but such participation shall not relieve Applicant of its obligations under this condition. The undersigned hereby represents that they are the Applicant or are fully empowered by the Applicant their agent to agree to provide the indemnification, defense and hold harmless obligations, and the signature below represents the unconditional agreement by Applicant to be bound by such conditions.

ENGINEERING DIVISION

Project-Specific Conditions

A. General:

1. **Impact Fees & Fee Increase:** The City of Morgan Hill, pursuant to City Code Chapter 3.56 has established impact fees to finance the cost of improvements required by new development. City Code Chapter 3.56.050 provides for automatic annual (July 1st) adjustment of those fees in existence utilizing the Engineering News Record Index for the preceding twelve months. The City maintains historical records on the Engineering News Record Index. These records are available for inspection during normal business hours. (MHMC 3.56.010; 3.56.030; 3.56.050)
 - a. The developer shall pay all applicable impact fees and other engineering review fees prior to building permit issuance. The fees shall be based on the Public Works Fee Schedule prepared by Land Development Engineering. The estimated total amount of impact fees and engineering review fees for this project based on the Fee Schedule effective on 1/15/2024 is \$555,000 without any credits applied. The Master Developer for Evergreen Village, Evergreen-Butterfield & Cochrane LLC, has requested credits from overpaid Storm Drain Impact Fees for the Evergreen Village parcels to be applied to this project. The credit amount shall be determined at building permit stage.

B. Reciprocal Access: Reciprocal access easements and maintenance agreements ensuring access to the parcel and joint maintenance of all common roads, drives or parking areas shall be provided by CC&R's (and by deed if applicable) and shall be recorded concurrent with the map, or prior to issuance of building permit where no map is involved. (MHMC 17.20.350 H)

1. **Private Street 'A' Extension:** The project is proposing to extend the existing Private Street 'A' south to connect to another existing private street, Checkerspot Lane. A portion of the private street extension will be on the adjacent parcel to the east (Parcel 8 with current APN: 726-58-008). At building permit stage, the project shall submit documentation/confirmation that ingress/egress will be provided along the private street extension for other parcels within the Evergreen Village development.

C. Public Utility Easement Encroachments: City Engineer approval is required for all private encroachments proposed by the project within the existing Public Utility Easement adjacent to Cochrane Road that is over the existing public sanitary sewer and public storm drain lines. The private encroachments will be reviewed in more detail at building permit stage.

1. At building permit stage, revise the Landscape Plans to show no new trees over the existing public storm main located within the existing 28' Public Utility Easement & Landscape Easement.

D. Sanitary Sewer Test Manhole: A sanitary sewer test manhole shall be provided for the proposed building and shall be accessible to the Pretreatment Inspector. The sanitary sewer test manhole shall be located within private property but adjacent to the street right-of-way or as approved by the City Engineer in conjunction with Pretreatment Inspector review.

E. Storm Drainage Capacity and 25-Year On-Site Detention Compliance: Collection system shall be designed to be capable of handling a 10-year storm without local flooding. On-site detention facilities shall be designed to a 25-year storm capacity. Streets shall be designed to carry 100-year storm.

1. The project shall provide an on-site detention facility(ies) that is designed to hold the 25-year, 24-hour design storm event with an additional 25% detention basin volume for freeboard. The 25-year, 24-hour design storm event is 4.79" rainfall if the downstream conveyance is capable of conveying excess flow up to the 100-year, 24-hour of 5.59" rainfall design storm.
 - a. The City's current detention standard does not allow the release of pre-project flow rates prior to the 25-year, 24-hour design storm. The City is currently reviewing an alternative 25-year detention standard which may change the requirement for this project. If an alternative, less stringent 25-year detention standard is adopted by the City, the project's 25-year detention design can be revised and will be reviewed at building permit stage.

F. Stormwater Post-Construction Requirements:

1. There are two proposed offsite Drainage Management Areas (DMA #OFF-1 and #OFF-2) that cannot be treated directly by the onsite bioretention basins. The onsite bioretention basin(s) will be allowed to be oversized to account for the equivalent offsite DMAs.
 - i. At building permit stage, revise the Drainage Management Area (DMA) table on the project's Stormwater Control Plan to state that the corresponding BMP for DMA #OFF-1 and #OFF-2 is the oversized Bioretention 4 which will treat the equivalent treatment areas for both DMAs.
2. The project's two proposed bioretention basins fronting Cochrane Road are allowed to be located within the existing 28' Public Utility Easement & Landscape Easement that is over an existing public storm main. The widths of the two bioretention basins shall not exceed 10.5' to be consistent with other existing bioretention basins facing Cochrane Road that are located within the Evergreen Village development and on the parcel located at the southwest corner of Cochrane Road and Sutter Blvd.
3. At building permit stage, revise the Stormwater Control Plan sheet to include a separate DMA for the half of Private Street 'A' outside the project's property boundary and add a note stating that half of Private Street 'A' will be treated by the existing bioswale on the adjacent easterly parcel.

4. At building permit stage, revise the Landscape Plans to show the required bioretention soil mix.
5. The project's proposed land use is considered a priority by the City to implement trash full capture. At building permit stage, the plans shall show the installation of a trash full capture system(s) from a list of certified trash full capture systems by the State Water Resources Control Board. The list of certified trash full capture systems can be viewed from the Water Board's webpage at:
https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/2022/fullcptre-availabletopublic10-11.pdf
6. Underground stormwater infiltration and storage facilities shall include adequate inlets and/or risers for visual inspection, maintenance and as flush ports.

Standard Conditions

I. GENERAL

- A. **Public Improvements:** The applicant shall cause the construction of all public improvements in accordance with the latest City Standard Drawings and Specifications. **(MHMC 12.02.090 A; 17.32.010 A)**

II. STORM DRAIN SYSTEM

- A. **Storm Drainage Study:** A complete storm drainage study of the proposed development must be submitted showing amount of run-off, and existing and proposed drainage structure capacities. This study shall be subject to review and approval by the City Engineer. All needed improvements will be made by the applicant. No overloading of the existing system will be permitted. **(MHMC 17.32.020 B; 17.32.090; CMH Design Standards and Standard Details for Construction)**
- B. **Storm Drainage Design:** The applicant shall cause the design and construction to be undertaken for a storm drainage collection system shown on the Tentative Map/Design Review plans. All storm drain improvements shall be constructed to the satisfaction of the City Engineer. **(MHMC 17.32.020 A & B)**
- C. **Storm Drainage General Requirements:** Prior to issuance of a grading permit, the applicant shall complete the following to the satisfaction of the City Engineer.
 1. Storm drain calculations to determine detention/retention pond sizing and operations.
 2. Plan describing how material excavated during construction will be controlled to prevent this material from entering the storm drain system.

3. Water Pollution Control Drawings (WPCD) for Sediment and Erosion Control.
(CMH Design Standards and Standard Details for Construction)

- D. **NPDES Construction Activity General Permit/SWPPP Requirements:** As required by the State Water Resources Control Board (SWRCB) Order No. 2009-0009-DWQ, construction activity resulting in a land disturbance of one (1) acre or more of soil, or whose projects are part of a larger common plan of development that in total disturbs more than one (1) acre, are required to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 for Discharges of Storm Water Associated with Construction Activity (General Permit). To be permitted with the SWRCB under the General Permit, owners must file a complete Notice of Intent (NOI) ONLINE at: <http://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.jsp> and develop a Storm Water Pollution Prevention Plan (SWPPP) Manual in accordance with the General Permit. The SWPPP Manual shall follow the CASQA SWPPP template/format at: <https://www.casqa.org/store/products/tabid/154/p-167-construction-handbookportal-initial-subscription.aspx> and shall be approved by Public Works Engineering. A Waste Discharger Identification (WDID) number to be issued to the construction site after the SWRCB receives and verifies the submitted ONLINE NOI information. The WDID number and approved SWPPP Manual shall be provided to Public Works and the Building Department prior to any approval of grading activities **(SWRCB NPDES General Permit CAS000002)**.
- E. **NPDES General Permit Site SWPPP Inspections and Compliance:**
1. ALL project onsite and offsite construction activity shall have the site inspected by a **qualified third party SWPPP Inspector (QSD or QSP or RCE)**.
 2. SWPPP Inspections shall occur weekly during the rainy season (September 15th thru May 1st).
 3. SWPPP Inspections shall occur bi-weekly during the non-rainy season.
 4. 48 hours prior to and following a forecasted rain event, SWPPP Inspections shall occur in addition to those of items 2 or 3 above.
 5. Per each of the inspection conditions 2, 3, or 4, the NPDES SWPPP Inspector shall certify in writing to the Building and Public Works Department if the site is in compliance or non-compliance with the NPDES General Permit for Stormwater, site SWPPP Manual, and Water Pollution Control Drawings (per the CMH-SWPPP Inspection Check List to be provided by Public Works). QSD/QSP SWPPP Inspectors shall forward onsite and offsite information/certification to the Building (on-site private property issues) and Public Works (public right-of-way issues) inspectors respectively. SWPPP inspection reports, and when applicable, Rain Event Action Plans (REAPS) shall be e-mailed to: sw.construction@morganhill.ca.gov no later than 12:00 PM each Monday for the previous week's inspections with a brief statement whether the site is in compliance or non-compliant.

6. Prior to rain events, BMPs not in compliance will need to be corrected immediately.
7. Illicit discharges per the NPDES General Permit, non-compliance of tracking control, and inlet protection within the public right-of-way shall be addressed immediately.
8. Other non-compliance issues need to be addressed within a 24-hour period.
9. Non-compliance issues which have been corrected shall be verified by NPDES SWPPP Inspector by a follow-up inspection.
10. BMP maintenance/inspections shall include tree protection, if applicable.

III. WATER SYSTEM

- A. **Water Meter:** Provide water service and meter for the property. These are to be installed by developer. **(MHMC 17.32.020 D)**

IV. OTHER CONDITIONS

- A. **Easement Dedications:** The owner shall dedicate all necessary utility easements. **(MHMC 12.02.080 D; 17.28.010 A)**
- B. **Undergrounding New Utilities:** The applicant shall cause the design and construction required to underground all electric, gas, Cable TV and communication lines within the development. Such design and construction shall be to the satisfaction of the affected utilities and the City Engineer. **(MHMC 17.32.020 E.1)**
- C. **Landscaping and Irrigation Systems:** Landscaping and irrigation systems serving common areas that are required to be installed in the public right-of-way on the perimeter of this project shall be continuously maintained by the property owner or designated maintenance entity.
- D. **Pre-construction Meeting (if applicable):** Prior to the approval of any Building Permit for grading activity, the developer shall schedule a pre-construction meeting with the Public Works Inspection Division with the following project team members:
 1. Civil Engineer of record
 2. Geotechnical Engineer of record
 3. Third Party QSD/QSP SWPPP Inspector
 4. General Contractor
 5. Sub-Contractors
- E. **As-Built Submittal Standards:** The developer shall submit digital as-builts of the project's Final Map, Grading Plan, and Improvement Plans which adhere to the City's updated GIS/CAD Developer Submittal Standards.

V. NPDES STORMWATER MANAGEMENT DEVELOPMENT STANDARDS

- A. **Stormwater Post-Construction Requirements (PCRs):** Project shall comply with the California Regional Water Quality Control Board Central Coast Region Resolution No. R3-2013-0032 as documented by the **Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements** (developed from Resolution No. R-2013-0032 Attachment 1 and 2 at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/stormwater/docs/lid/lid_hydromod_charette_index.shtml). A copy of the Guidance Manual can be obtained from the City's Land Development Engineering webpage. Project shall provide Stormwater Runoff Management Plan, Stormwater Control Plan and Checklist, and applicable calculations per the Guidance Manual. Project shall meet the applicable Post-Construction Requirements:
1. Performance Requirement 1: Site Design and Runoff Reduction
 2. Performance Requirement 2: Water Quality Treatment
 3. Performance Requirement 3: Runoff Retention
 4. Performance Requirement 4: Peak Management
- B. **Peak Storm Water Runoff Discharge Rates:** Post-development peak storm water runoff discharge rates shall not exceed the estimated pre-development rate for developments where the increased peak storm water discharge rate will result in increased potential for downstream erosion. Note: the project may be required to **retain** stormwater runoff as part of resolution R3-2013-0032 prior to releasing discharge rates at pre-development flows.
- C. **Storm Drain System Stenciling and Signage:** All storm drain inlets and catch basins within the project area must be stenciled with prohibitive language (such as: "NO DUMPING – DRAINS TO CREEK") and/or graphical icons to discourage illegal dumping. Signs and prohibitive language and/or graphical icons, which prohibit illegal dumping, must be posted at public access points along channels and creeks within the project area. Legibility of stencils and signs must be maintained.
- D. **Trash Enclosure Areas:** In addition to compliance with the requirements under Municipal Code Section 18.92.155 (Refuse and Recycling Enclosures), all trash enclosure areas must meet the following Structural or Treatment Control BMP requirements:
1. Roof Required: Trash enclosure areas shall have an all-weather noncombustible solid roof to prevent rainwater from mixing with the enclosure's contents
 2. Walls Required: Trash enclosure shall have structural walls to prevent unauthorized off-site transport of trash.
 3. Doors: Trash enclosure shall have door(s) which can be secured when closed.

4. Grades: The pad for the enclosure shall be designed to not drain outward, and the grade surrounding the enclosure shall be designed to not drain into the enclosure.
5. Drain Inlet: Within the enclosure, an area drain with an approved (Zurn) vandal proof drain shall be installed and shall be plumbed to the sanitary sewer system with grease trap. Grease trap shall be located within the trash enclosure footprint.

E. Design Standards for Structural or Treatment Control BMPs: The post-construction treatment control BMPs shall incorporate, at a minimum, either a volumetric or flow- based treatment control design standard, or both, as identified below to mitigate (infiltrate, filter or treat) storm water runoff:

1. Volumetric Treatment Control BMP
 - a. The 85th percentile 24-hour runoff event determined as the maximized capture storm water volume for the area, from the formula recommended in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998); or
 - b. The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method recommended in California Stormwater Best Management Practices Handbook – Industrial/ Commercial, (2003); or
 - c. The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for “treatment” that achieves approximately the same reduction in pollutant loads achieved by the 85th percentile 24-hour runoff event.
2. Flow Based Treatment Control BMP
 - a. The flow of runoff produced from a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the area; or
 - b. The flow of runoff produced from a rain event that will result in treatment of the same portion of runoff as treated using volumetric standards above.

F. Stormwater Runoff Management Plan (SWRMP): The Stormwater Runoff Management Plan shall include sufficient information to evaluate the environmental characteristics of affected areas, the potential impacts of the proposed development on water resources, and the effectiveness and acceptability of measures (post construction BMPs) proposed for managing stormwater runoff.

1. The Stormwater Runoff Management Plan shall be prepared under the direction of a professional civil engineer registered in the State of California. The responsible professional civil engineer shall stamp and sign the approved Stormwater Runoff Management Plan.
2. The developer shall provide a signed certification from the civil engineer responsible for preparing the Stormwater Runoff Management Plan that all stormwater best management practices have been designed to meet the requirements.

G. Stormwater BMP Operation, Maintenance, and Replacement Responsibility

1. Prior to building final, the property owner shall submit a signed certification (with signature, date & license number/seal) certifying that all post-construction stormwater management/BMP facilities shown on the as-built drawings were inspected by the civil engineer (or by a qualified third party stormwater inspector hired by the permittee/owner) and have been constructed in accordance with the approved plans and specifications.
2. All on-site stormwater management facilities shall be operated and maintained in good condition and promptly repaired/replaced by the property owner(s), an owners' or homeowners' association or other legal entity approved by the City.
3. Any repairs or restoration/replacement and maintenance shall be in accordance with City-approved plans.
4. The property owner(s) shall develop a maintenance schedule for the life of any stormwater management facility and shall describe the maintenance to be completed, the time period for completion, and who shall perform the maintenance. This maintenance schedule shall be included with the approved Stormwater Runoff Management Plan.

H. Stormwater BMP Operation and Maintenance Agreement (SWBOMA): Prior to the issuance of any building permit requiring stormwater management BMPs, the owner(s) of the site shall enter into a formal written Stormwater BMP Operation and Maintenance Agreement with the City. The City shall record this agreement, against the property or properties involved, with the County of Santa Clara and it shall be binding on all subsequent owners of land served by the storm water management BMPs. The City standard Stormwater BMP Operation and Maintenance Agreement will be provided by Land Development Engineering at building permit/improvement plan stage.

I. Stormwater BMP Inspection Responsibility

1. The property owner(s) shall be responsible for having all stormwater management facilities inspected for condition and function by a **certified Qualified Stormwater Practitioner (QSP)**.
2. Unless otherwise required by the City Engineer or designee, stormwater facility inspections shall be done at least twice per year (April 15th and September 15th) by the QSP. Written records shall be kept of all inspections and shall include, at minimum, the following information:
 - a. Site address;
 - b. Date and time of inspection;
 - c. Name of the person conducting the inspection;
 - d. List of stormwater facilities inspected;
 - e. Condition of each stormwater facility inspected;
 - f. Description of any needed maintenance or repairs; and
 - g. As applicable, the need for site re-inspection.
3. Upon completion of each inspection, an inspection report shall be submitted to the Environmental Division.

- J. **Records of Maintenance and Inspection Activities:** On or before April 15th and September 15th of each year, the party responsible for the operation and maintenance of on-site stormwater management facilities under the BMP Operation and Maintenance Agreement shall provide the City Engineer or designee with records of all inspections, maintenance and repairs.
- K. **Annual Certification of SWRMP:** On or before September 30th of each year, a Registered Civil Engineer (RCE) shall provide written certification that the project's stormwater quality design standards are properly maintained and functioning as required by the SWRMP.

BUILDING DIVISION

- A. California Code of Regulations: The Project shall be designed to comply with the edition of the California Codes of Regulations as amended by the Morgan Hill Municipal Code Title 15 that is in effect at the time of Building Permit Application submittal. The project shall be designed to comply with the most current California Code of Regulations as amended by Morgan Hill Municipal Code Title 15.
- B. Project shall comply with the Morgan Hill Municipal Code (MHMC) including but not limited to:
- MHMC 15.65 Sustainable Building Regulations. LEED Silver Required •
 - MHMC 15.40 Building Security
 - MHMC 15.62 Electrical Vehicle Charging Infrastructure
 - MHMC 15.38 Wage Theft Preventions
 - MHMC 18.148 Water Conservation
 - MHMC 15.63 Prohibition of Natural Gas Infrastructure in New Buildings
- C. The Building Permit Plan submittal shall comply with the Building Divisions electronic plan format requirements:
<https://www.morganhill.ca.gov/DocumentCenter/View/44078/Electronic-Plan-Review-Format-Requirements>

FIRE PREVENTION DIVISION

- A. Project shall meet the minimum requirements of 2022 CFC and the City of Morgan Hill's Fire Prevention Standards:
<https://www.morganhill.ca.gov/DocumentCenter/View/10668/Fire-Details-andSpecs?bidId=>

ENVIRONMENTAL SERVICES DIVISION

- A. Please review the updated Checklist and return it with any additional notes that the Landscape Architect may include. All components of the Checklist must be

met/addressed. Please include page numbers on all items. (MH MuniCode 180.148 and MHMC 18.64)

- B. On L0.0, add the signature of the owner/developer to this statement → “After installation of landscaping on property, I agree to have an irrigation audit, landscape audit, irrigation schedule, and maintenance schedule conducted by a Certified Irrigation Auditor and submit it to the City for final project sign off”.
- C. On L0.0, add the signature of the owner/developer to this statement → “The developer will submit receipts and/or invoices for all compost and mulch purchases to Environmental Services Division after final construction”.
- D. Please add a note on L0.0 that the recommended soil amendments will be incorporated.
- E. On page L0.0, in the Landscape Requirements, item #2 states “sod installation”. As there is no sod/turf planned for this project, please remove all mentioning of sod, turf, and lawn.
- F. The Total Landscape Area noted on page L0.0 if different than that on L0.1 and L0.2. Please correct the discrepancy.
- G. All plants and trees shall be categorized as **low or very low water use** in the Central Coast as defined by the water use classification of landscape species (WUCOLS) database (MHMC18.64.060 A.1).
 - Please add the specification note of “CA Native Cultivators” to Achillea Millefolium. Only CA native cultivators are low water use. Non-native hybrids are moderate water use and cannot be used.
- H. Irrigation plan details need to be provided.
- I. Project Shall address Morgan Hill Municipal Code (MHMC) 18.148 – Water Conservation and MHMC 18.64 Landscaping and complete/submit the provided checklist

POLICE DEPARTMENT

- A. **Safety and Security Plan.** The Police Department shall review and approve a safety and security plan for the facility including a security camera plan prior to the issuance of a building permit.
- B. **Camera Access.** The Police department will require access to camera feed and camera recordings to be able to view real time and recorded footage if/when required.

RESOLUTION NO. 24-05

**A RESOLUTION OF THE PLANNING COMMISSION OF
THE CITY OF MORGAN HILL APPROVING A DESIGN
PERMIT TO ALLOW FOR THE CONSTRUCTION OF AN
APPROXIMATELY 3,000 SQUARE FOOT DRIVE-
THROUGH RESTAURANT LOCATED ON THE
SOUTHEAST CORNER OF COCHRANE RD. AND
BUTTERFIELD BLVD. (APNS 726-58-001 and 002)**

WHEREAS, on April 21, 2023, Raising Cane's applied for a Design Permit to construct an approximately 3,000 square foot drive-through restaurant (SR2023-0009: Cochrane – Raising Cane's); and

WHEREAS, testimony was received at the duly noticed public hearing, along with exhibits and drawings and other materials on April 23, 2024; and

WHEREAS, an Initial Study was prepared that supports a determination that the proposed project qualifies for an exemption under CEQA Guidelines Section 15332, Class 32 for infill developments; and

WHEREAS, this project is located within the Evergreen Village Master Plan PD. The Project is designed to be consistent with the development standards in the General Plan and Zoning Code.

**NOW, THEREFORE, THE MORGAN HILL PLANNING COMMISSION DOES
RESOLVE AS FOLLOWS:**

SECTION 1. The project is consistent with the Evergreen Village Planned Development, Zoning Ordinance, and General Plan.

SECTION 2. The Design Review has been found consistent with the criteria for Design Review permit approval contained in Section 18.108.040 of the Morgan Hill Municipal Code. The proposed project is in compliance with all applicable design standards and guidelines contained in the Design Review Handbook.

SECTION 3. The Planning Commission approves SR2023-0009. The design shall be expressly conditioned in conformance with conditions incorporated herein and as attached as Exhibit "A". Minor deviations to the site review permit may be approved by the Development Services Director when consistent with the overall intent of the project.

PASSED AND ADOPTED THIS 23rd DAY OF APRIL, 2024, AT A REGULAR MEETING OF THE PLANNING COMMISSION BY THE FOLLOWING VOTE:

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ATTEST:

APPROVED:

JENNA LUNA, Deputy City Clerk

WAYNE TANDA, Chair

EXHIBIT "A" STANDARD CONDITIONS

APPLICATION NO: SR2023-0009: Cochrane – Raising Cane’s

THE FOLLOWING APPROVAL REQUIREMENTS AND ANY SPECIAL CONDITIONS SHALL BE APPLIED THROUGH THE DEVELOPMENT APPROVAL PROCESS.

Legend

MHMC= Morgan Hill Municipal Code
MHARH= Morgan Hill Architectural Review Handbook
CMH= City of Morgan Hill
CFC= California Fire Code

I. PROJECT DESCRIPTION

A Design Permit is requested to construct an approximately 3,000 square foot drive-through restaurant on a 1.90-acre property.

The project shall comply with all requirements of related project approvals granted by the City, including all of the following:

- A. Conditional Use Permit UP2023-0002
- B. Environmental Assessment EA2023-0003

II. PROJECT CONDITIONS OF APPROVAL

This Design Permit approval is limited to the plan set on file (SR2023-0009) with the Development Services Department. The approved building plans and landscape plans must be in substantial conformance with the Design Review plans as determined by the Development Services Director. These documents show the location and dimensions of all buildings and elevations with colors and materials, amenities and square footage for all common areas, and vehicle and pedestrian circulation ways (ingress/egress), common areas, and other easement areas.

It shall be the responsibility of the applicant to ensure that any changes or modifications to the Project or any Unit are in compliance with the original City Conditions of Approval of the Project, which are incorporated herein.

PLANNING DIVISION

DEFENSE AND INDEMNITY

- A. As part of, and in connection, with this application to the City of Morgan Hill, Applicant agrees to defend, indemnify, and hold harmless the City of Morgan Hill, its officers, agents, employees, officials and representatives (Indemnitees) from and against any and all claims, actions, or proceedings arising from any suit for damages or for equitable or injunctive relief which is filed against City to attack, set aside, void or annul its approval of this application or any related decision, or the adoption of any environmental documents which relates to said approval. The City shall promptly notify the Applicant of any such claim, action or proceeding and the City shall cooperate fully in the defense thereof. In the event that Applicant is required to defend Indemnitees in connection with the proceeding, Indemnitees shall retain the right to approve (a) the counsel to so defend Indemnitees; (b) all significant decisions concerning the manner in which the defense is conducted; and (c) any and all settlements, which approval shall not be unreasonably withheld. This indemnification shall include, but is not limited to, (a) all pre-tender litigation costs incurred on behalf of the City, including City's attorney's fees and all other litigation costs and expenses, including expert witnesses, required to defend against any lawsuit brought as a result of City's approval or approvals; (b) reasonable internal City administrative costs, including but not limited to staff time and expense spent on the litigation, after tender is accepted; and (c) all damages, costs, expenses, attorney fees or expert witness fees that may be awarded to the prevailing party arising out of or in connection with the approval of the application or related decision. City may, in its sole discretion, participate in the defense of such action; but such participation shall not relieve Applicant of its obligations under this condition. The undersigned hereby represents that they are the Applicant or are fully empowered by the Applicant as their agent to agree to provide the indemnification, defense and hold harmless obligations, and the signature below represents the unconditional agreement by Applicant to be bound by such conditions.

TIME LIMITS

- A. **Term:** The Design Review approval granted pursuant to this Resolution shall remain in effect for two years to April 23, 2026. Failure to obtain building permits within this term shall result in termination of approval unless an extension of time is granted with a showing of just cause prior to expiration date. **(MHMC 18.108.040)**

SITE DEVELOPMENT

- A. **Final Site Development Plans:** Final site development plans shall be reviewed for conformance with Design Permit SR2023-0009 and in accordance with

Morgan Hill Municipal Code Section 18.108.040 (Design Permit) and approved by the Development Services Department prior to issuance of a building permit. All such plans shall include:

1. Detail depicting all concrete curbs as fully formed.
 2. Exterior lighting of the building and site shall be designed so that lighting is not directed onto adjacent properties and light source is shielded from direct off-site viewing.
 3. Ramps, special parking spaces, signing and other physical features for the disabled, shall be provided throughout the site for all publicly used facilities.
 4. All mechanical equipment, including electrical and gas meters, post indicator valve, backflow prevention devices, etc., shall be architecturally screened from view or located interior to the building. All ground mounted utility appurtenances such as transformers shall not be visible from any public right-of-way and shall be adequately screened through the use or combination of concrete or masonry walls, berming, and landscaping. **(MHARH p.20, 45, 79)** For additional screening, backflow preventers shall be painted dark green, except the fire connection which shall be painted yellow.
 5. All existing on-site overhead utilities shall be placed underground in an approved conduit from the service connection at the street or at the property line to the service connection at the building as detailed in engineering conditions within this document.
 6. To the extent acceptable to end users, implement good faith Transportation Demand Management Plan measures to promote alternate means of transportation and reduce single occupancy vehicle trips to and from the Project.
- B. **Prohibition of Natural Gas Infrastructure in New Buildings.** In accordance with Chapter 15.63 of the Municipal Code, future tenants will be required to demonstrate the need for gas service for manufacturing and other business uses. Natural gas shall not be used for heating and cooling of the building.
- C. **Tree Protection:** Unless tree removal is approved, all trees located within 25 feet of any site disturbance shall be protected using the following minimum protection measures (these guidelines shall be included with all site development plans):

1. Mark all trees to be saved with a survey flag or ribbon. Do not nail or staple directly to the tree.
2. Erect a temporary fence enclosing an area equal to at least the dripline of the tree (or as far from the trunk as possible). This tree protection zone shall not be used for parking, storage of building materials, or other equipment or the placement of temporary or permanent fill. Signs should be posted identifying the restriction of uses in the tree protection zone.
3. Locate structures, grade changes, and other ground or surface disturbances (e.g., concrete pours) as far as feasible from the “dripline” area of the tree.
4. Avoid root damage through grading, trenching, and compaction, at least within an area 1.5 times the dripline area of the tree. Where root damage cannot be avoided, roots encountered over 1 inch in diameter should be exposed approximately 12 inches beyond the area to be disturbed (towards the tree stem), by hand excavation, or with specialized hydraulic or pneumatic equipment, cut cleanly with hand pruners or power saw and immediately backfilled with soil. Avoid tearing or otherwise disturbing that portion of the roots to remain.
5. The addition of plant or other landscaping materials shall remain outside of the dripline of all trees.
6. All ordinance size trees proposed to be removed from the project site shall be replaced at a 1:1 ratio in accordance with approved landscape plan.

BUILDING DESIGN

- A. **Roof Mounted Mechanical Equipment:** All roof mounted mechanical equipment shall be placed within a screened roof top enclosure depicted on the elevation drawings or located below the parapet level and shall not be visible from the ground at any distance from the building. Cross section roof drawings shall be provided at the building permit stage indicating the relative height of the screen wall or parapet. Minimum screen height or parapet depth shall be 5 feet or greater to match the height of any proposed equipment. **(MHARH p.48, 65, 87, 106)**
- B. **Building Mounted Lighting:** Lighting fixtures shall not project above the fascia or roofline of the building. Any ground mounted lighting projecting onto the building or site shall be subject to the review and approval of the Development Services

Director. Adjustment to the lighting intensity may be required after the commencement of the use. (MHARH p. 67, 109)

PARKING, VEHICULAR ACCESS AND LANDSCAPING

A. **Parking Lot Landscaping:** All landscaping within parking lots shall comply with the requirements of Chapter 18.72 (Landscaping) in addition to the standards within this section.

1. **Interior Landscaping.** All areas within a parking lot not utilized for parking spaces or access/circulation shall be landscaped. For parking lots with more than fifteen spaces, the minimum amount of interior landscaping is specified in Table 18.72-6. Interior landscaping is defined as any landscaped area surrounded on at least two sides by parking spaces or drive aisles, and excluding areas around the perimeter of the parcel or development site.
2. **Shade Trees.**
 - a. One shade tree shall be provided for every five parking spaces in a parking lot.
 - b. Shade trees shall be a minimum twenty-four-inch box in size and shall provide a minimum thirty-foot canopy at maturity.
 - c. Shade trees shall be of a type that can reach maturity within fifteen years of planting and shall be selected from a city-recommended list of canopy tree species.
 - d. Shade trees shall be arranged in a parking lot to provide maximum shade coverage (based on a thirty-foot canopy) on August 21. The arrangement should approximate nearly fifty percent shade coverage.
3. **Concrete Curbs.**
 - a. All landscape areas shall be separated from parking spaces, drive aisles and driveways by a continuous, raised concrete curb. Raised concrete curbs shall be a minimum of six inches high by four inches deep.
 - b. The city may approve alternatives to raised concrete curbs as needed to comply with any mandatory stormwater drainage standards.
4. **Parking Space Landscaping.** A maximum of two feet at the front end of a parking space may be landscaped with low shrubs or ground cover in which a vehicle could extend over in lieu of paving surface. This landscaping may not count toward minimum required parking lot landscaped area.
5. **Timing.** Adjacent parking lot landscaping shall be installed prior to the city's authorization to occupy any buildings served by the parking area, or prior to the final inspection for the parking lot.

6. **Exterior Parking Lot Lighting:** For projects with more than six parking spaces, detailed lighting information is provided in compliance with Section 18.72.060.G of the Morgan Hill Municipal Code. Lights shall use cut-off shields and be downward directed.
- B. **Planting and Irrigation Working Drawings:** Detailed landscape planting and irrigation working drawings shall be submitted to the Development Services Director for approval prior to issuance of building permits. Landscape plans for streets and landscape easements shall be part of the improvement plan submittal.
- C. **Lighting:** Walkways and pedestrian pathways in landscaped areas or common areas not considered building entrances or a part of parking lot areas shall be illuminated with a minimum of one (1) foot-candle to ensure safe nighttime conditions. **(MHARH p.30, 67, 108)**
- D. **Maintenance of Landscaping:** The landscaping installed and accepted with this project shall be maintained on the site as stated within the approved plans. Any alteration or modification to the landscaping shall not be permitted unless otherwise approved by the Development Services Director.
- E. **Water Conserving Landscaping Ordinance:** The landscape plans shall be in conformance with the City's Water Conserving Landscape Ordinance that was developed in accordance with California law. This Ordinance restricts landscaping turf to certain areas, specifies plant selection, requires certain types of irrigation equipment, and calls for the development of comprehensive water use calculations as an aspect of the submitted landscape plans. **(MHMC 18.64)**

SIGNS

- A. **Separate Application Required for Sign Approval:** Signs proposed for this development shall be designed in conformance with the Morgan Hill Business Park Sign program and shall require separate application and approval by the Planning Division prior to installation of any signs.
- B. **Mural:** Raising Cane's will work with the City staff on the design of the mural. The final design will shall be reviewed and approved by the Development Services Director or designee prior to installation of the mural.

HABITAT PLAN

- A. **Fees:** The approved project is covered pursuant to the Santa Clara Valley Habitat Plan (Habitat Plan) and subject to fees and conditions contained in the Habitat Plan.

- B. **Application Package:** Prior to issuance of a grading permit, the project shall complete and submit a Habitat Plan Application Package. All fees shall be paid prior to issuance of a grading permit. **(MHMC 18.132)**
- C. **Conditions:** Any additional conditions or mitigations required by the Habitat Plan shall be clearly stated on all plans that involve any ground disturbing activity (i.e., grading plans, improvement plans, paving plans, demolition plans or other plans for site clearing or temporary stockpile of dirt). **(MHMC 18.132)**

AIR QUALITY

- A. **Dust, Noise, Vibration and Materials Management Plan:**
A management plan detailing strategies for control of noise, dust and vibration, and storage of hazardous materials during construction of the project shall be submitted for review prior issuance of a grading permit and requirements shall be included on all site development and grading plans. The intent of this condition is to minimize construction related disturbance of residents of the nearby or adjacent properties. (MHMC 18.76)
- B. **Basic Construction Mitigation Measure (BCMMs) Related to Dust Suppression.** The following measures shall be implemented with the project:
 - 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. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.

7. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
8. Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a six- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
9. Publicly visible signs shall be posted with the telephone number and name of the 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 General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

CULTURAL RESOURCES

- A. **Significant historic or archaeological materials:** A moderate potential exists for unrecorded historic-period archaeological resources to be within the project area. The developer shall enter into written contracts with an archaeologist and the Tamien Nation Tribe, and pay all fees associated with the activities required by this condition. The following policies and procedures for treatment and disposition of inadvertently discovered human remains or archaeological materials shall apply:
1. Prior to start of grading or earthmoving activity on the "first day of construction", the archaeologist and Tamien Nation Tribal Monitor shall hold a pre-construction meeting for the purposes of "cultural sensitivity training" with the general contractor and subcontractors.
 2. A Tamien Nation Tribal Monitor shall be present on-site to monitor all ground-disturbing activities and an archaeologist shall be on-call. Where historical or archaeological artifacts are found, work in areas where remains or artifacts are found will be restricted or stopped until proper protocols are met, as described below:
 - a. Work at the location of the find will halt immediately within fifty feet of the find. If an archaeologist is not present at the time of the discovery, the applicant shall contact an archaeologist for evaluation of the find to determine whether it qualifies as a unique archaeological resource as defined by this chapter.
 - b. If the find is determined not to be a Unique Archaeological Resource, construction can continue. The archaeologist will prepare a brief informal memo/letter in collaboration with a tribal representative that describes and assesses the significance of the

resource, including a discussion of the methods used to determine significance for the find.

- c. If the find appears significant and to qualify as a unique archaeological resource, the archaeologist will determine if the resource can be avoided and will detail avoidance procedures in a formal memo/letter; and
 - d. If the resource cannot be avoided, the archaeologist in collaboration with a tribal representative shall develop within forty-eight hours an action plan to avoid or minimize impacts. The field crew shall not proceed until the action plan is approved by the Development Services Director. The action plan shall be in conformance with California Public Resources Code 21083.2.
3. The following policies and procedures for treatment and disposition of inadvertently discovered human remains or archaeological materials shall apply. If human remains are discovered, it is probable they are the remains of Native Americans,
- a. If human remains are encountered, they shall be treated with dignity and respect as due to them. Discovery of Native American remains is a very sensitive issue and serious concern. Information about such a discovery shall be held in confidence by all project personnel on a need-to-know basis. The rights of Native Americans to practice ceremonial observances on sites, in labs and around artifacts shall be upheld.
 - b. Remains should not be held by human hands. Surgical gloves should be worn if remains need to be handled.
 - c. Surgical masks should also be worn to prevent exposure to pathogens that may be associated with the remains.
4. In the event that known or suspected Native American remains are encountered, or significant historic or archaeological materials are discovered, ground-disturbing activities shall be immediately stopped. Examples of significant historic or archaeological materials include, but are not limited to, concentrations of historic artifacts (e.g., bottles, ceramics) or prehistoric artifacts (chipped chert or obsidian, arrow points, ground stone mortars and pestles), culturally altered ash stained midden soils associated with pre-contact Native American habitation sites, concentrations of fire-altered rock and/or burned or charred organic

materials and historic structure remains such as stone lined building foundations, wells or privy pits. Ground-disturbing project activities may continue in other areas that are outside the exclusion zone as defined below.

5. An "exclusion zone" where unauthorized equipment and personnel are not permitted shall be established (e.g., taped off) around the discovery area plus a reasonable buffer zone by the contractor foreman or authorized representative, or party who made the discovery and initiated these protocols, or if on-site at the time of discovery, by the monitoring archaeologist and tribal representative (typically twenty-five to fifty feet for single burial or archaeological find).
6. The discovery locale shall be secured (e.g., 24-hour surveillance) as directed by the City or County if considered prudent to avoid further disturbances.
7. The Contractor Foreman or authorized representative, or party who made the discovery and initiated these protocols shall be responsible for immediately contacting by telephone the parties listed below to report the find and initiate the consultation process for treatment and disposition:
 - The City of Morgan Hill Development Services Director (408) 779-7247
 - The Contractor's Point(s) of Contact
 - The Coroner of the County of Santa Clara (if human remains found) (408) 793-1900
 - The Native American Heritage Commission (NAHC) in Sacramento (916) 653-4082
 - The Amah Mutsun Tribal Band (916) 481-5785 (H) or (916) 743-5833 (C)
 - The Tamien Nation (707)295-4011 (office) and (925)336-5359 (THPO)
8. The coroner has two working days to examine the remains after being notified of the discovery. If the remains are Native American, the Coroner has 24 hours to notify the NAHC.
9. The NAHC is responsible for identifying and immediately notifying the Most Likely Descendant (MLD). (Note: NAHC policy holds that the Native American Monitor will not be designated the MLD.)
10. Within 24 hours of their notification by the NAHC, the MLD will be granted permission to inspect the discovery site if they so choose.

11. Within 24 hours of their notification by the NAHC, the MLD may recommend to the City's Development Services Director the recommended means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The recommendation may include the scientific removal and non-destructive or destructive analysis of human remains and items associated with Native American burials. Only those osteological analyses or DNA analyses recommended by the appropriate tribe may be considered and carried out.
12. If the MLD recommendation is rejected by the City of Morgan Hill the parties will attempt to mediate the disagreement with the NAHC. If mediation fails, then the remains and all associated grave offerings shall be reburied with appropriate dignity on the property in a location not subject to further subsurface disturbance.

NOISE

- A. **Construction Hours:** The project shall comply with Chapter 8.28 of the Morgan Hill Municipal Code which prohibits construction activities between 8:00 PM and 7:00 AM, Monday through Friday, and between 6:00 PM and 9:00 AM on Saturdays. Construction activities may not occur on Sundays or federal holidays.
- B. The project applicant shall develop a noise construction control plan, which shall be submitted to the Development Services Director or Director's designee for review and approval prior to issuance of a grading permit. The noise construction control plan shall include but not be limited to the following construction best management controls:
 - All on-site noise-generating construction activities shall occur pursuant to Section 8.28.040(D) of the Morgan Hill Municipal Code.
 - The project shall utilize temporary construction noise control measures including the use of temporary noise barriers, or other appropriate measures as mitigation for noise generated during construction of projects.
 - All noise-producing project equipment and vehicles using internal-combustion engines shall be equipped with manufacturers-recommended mufflers and be maintained in good working condition.
 - All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, state, or local agency shall comply with such regulations while in the course of project activity.
 - Electrically powered equipment shall be used instead of pneumatic or internal-combustion powered equipment, where feasible.
 - Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors.

- Project area and site access road speed limits shall be established and enforced during the construction period.

GENERAL

- A. **Mitigation Fee Act:** Notice is hereby given that, pursuant to the Mitigation Fee Act, the City of Morgan Hill charges certain fees (as such term is defined in Government Code Section 66000) in connection with approval of this development project for the purpose of defraying all or a portion of the cost of public facilities related to this development project (Mitigation Fee Act Fees). These fees do not include fees for processing applications for governmental regulatory actions or approvals, fees collected as part of development agreements, or as a part of the application for the City's Residential Development Control System. The Mitigation Fee Act Fees applying to this project are listed in the schedule of fees to be provided at building permit stage. Notice is also hereby given that the Developer has an opportunity to protest the imposition of the Mitigation Fee Act Fees within 90 days of the approval or conditional approval of this development project and that the 90-day protest period has begun.
- B. **Signed Copies of Resolution with Conditions:** Submit two (2) signed copies of the resolution with conditions to the Planning Division prior to issuance of a building permit.

ENGINEERING DIVISION

Project-Specific Conditions

A. General:

1. **Impact Fees & Fee Increase:** The City of Morgan Hill, pursuant to City Code Chapter 3.56 has established impact fees to finance the cost of improvements required by new development. City Code Chapter 3.56.050 provides for automatic annual (July 1st) adjustment of those fees in existence utilizing the Engineering News Record Index for the preceding twelve months. The City maintains historical records on the Engineering News Record Index. These records are available for inspection during normal business hours. (MHMC 3.56.010; 3.56.030; 3.56.050)
 - a. The developer shall pay all applicable impact fees and other engineering review fees prior to building permit issuance. The fees shall be based on the Public Works Fee Schedule prepared by Land Development Engineering. The estimated total amount of impact fees and engineering review fees for this project based on the Fee Schedule effective on 1/15/2024 is \$555,000 without any credits applied. The Master Developer for Evergreen Village, Evergreen-Butterfield & Cochrane LLC, has requested credits from overpaid Storm Drain Impact Fees for the

Evergreen Village parcels to be applied to this project. The credit amount shall be determined at building permit stage.

B. Reciprocal Access: Reciprocal access easements and maintenance agreements ensuring access to the parcel and joint maintenance of all common roads, drives or parking areas shall be provided by CC&R's (and by deed if applicable) and shall be recorded concurrent with the map, or prior to issuance of building permit where no map is involved. (MHMC 17.20.350 H)

1. Private Street 'A' Extension: The project is proposing to extend the existing Private Street 'A' south to connect to another existing private street, Checkerspot Lane. A portion of the private street extension will be on the adjacent parcel to the east (Parcel 8 with current APN: 726-58-008). At building permit stage, the project shall submit documentation/confirmation that ingress/egress will be provided along the private street extension for other parcels within the Evergreen Village development.

C. Public Utility Easement Encroachments: City Engineer approval is required for all private encroachments proposed by the project within the existing Public Utility Easement adjacent to Cochrane Road that is over the existing public sanitary sewer and public storm drain lines. The private encroachments will be reviewed in more detail at building permit stage.

1. At building permit stage, revise the Landscape Plans to show no new trees over the existing public storm main located within the existing 28' Public Utility Easement & Landscape Easement.

D. Sanitary Sewer Test Manhole: A sanitary sewer test manhole shall be provided for the proposed building and shall be accessible to the Pretreatment Inspector. The sanitary sewer test manhole shall be located within private property but adjacent to the street right-of-way or as approved by the City Engineer in conjunction with Pretreatment Inspector review.

E. Storm Drainage Capacity and 25-Year On-Site Detention Compliance: Collection system shall be designed to be capable of handling a 10-year storm without local flooding. On-site detention facilities shall be designed to a 25-year storm capacity. Streets shall be designed to carry 100-year storm.

1. The project shall provide an on-site detention facility(ies) that is designed to hold the 25-year, 24-hour design storm event with an additional 25% detention basin volume for freeboard. The 25-year, 24-hour design storm event is 4.79" rainfall if the downstream conveyance is capable of conveying excess flow up to the 100-year, 24-hour of 5.59" rainfall design storm.

a. The City's current detention standard does not allow the release of pre-project flow rates prior to the 25-year, 24-hour design storm. The City is currently reviewing an alternative 25-year detention standard which may change the requirement for this project. If an alternative, less stringent 25-year detention standard is adopted by the City, the project's 25-year

detention design can be revised and will be reviewed at building permit stage.

F. Stormwater Post-Construction Requirements:

1. There are two proposed offsite Drainage Management Areas (DMA #OFF-1 and #OFF-2) that cannot be treated directly by the onsite bioretention basins. The onsite bioretention basin(s) will be allowed to be oversized to account for the equivalent offsite DMAs.
 - i. At building permit stage, revise the Drainage Management Area (DMA) table on the project's Stormwater Control Plan to state that the corresponding BMP for DMA #OFF-1 and #OFF-2 is the oversized Bioretention 4 which will treat the equivalent treatment areas for both DMAs.
2. The project's two proposed bioretention basins fronting Cochrane Road are allowed to be located within the existing 28' Public Utility Easement & Landscape Easement that is over an existing public storm main. The widths of the two bioretention basins shall not exceed 10.5' to be consistent with other existing bioretention basins facing Cochrane Road that are located within the Evergreen Village development and on the parcel located at the southwest corner of Cochrane Road and Sutter Blvd.
3. At building permit stage, revise the Stormwater Control Plan sheet to include a separate DMA for the half of Private Street 'A' outside the project's property boundary and add a note stating that half of Private Street 'A' will be treated by the existing bioswale on the adjacent easterly parcel.
4. At building permit stage, revise the Landscape Plans to show the required bioretention soil mix.
5. The project's proposed land use is considered a priority by the City to implement trash full capture. At building permit stage, the plans shall show the installation of a trash full capture system(s) from a list of certified trash full capture systems by the State Water Resources Control Board. The list of certified trash full capture systems can be viewed from the Water Board's webpage at:
https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/2022/fullcptre-availabletopublic10-11.pdf
6. Underground stormwater infiltration and storage facilities shall include adequate inlets and/or risers for visual inspection, maintenance and as flush ports.

Standard Conditions

I. GENERAL

- A. **Public Improvements:** The applicant shall cause the construction of all public improvements in accordance with the latest City Standard Drawings and Specifications. **(MHMC 12.02.090 A; 17.32.010 A)**

II. STORM DRAIN SYSTEM

- A. **Storm Drainage Study:** A complete storm drainage study of the proposed development must be submitted showing amount of run-off, and existing and proposed drainage structure capacities. This study shall be subject to review and approval by the City Engineer. All needed improvements will be made by the applicant. No overloading of the existing system will be permitted. **(MHMC 17.32.020 B; 17.32.090; CMH Design Standards and Standard Details for Construction)**
- B. **Storm Drainage Design:** The applicant shall cause the design and construction to be undertaken for a storm drainage collection system shown on the Tentative Map/Design Review plans. All storm drain improvements shall be constructed to the satisfaction of the City Engineer. **(MHMC 17.32.020 A & B)**
- C. **Storm Drainage General Requirements:** Prior to issuance of a grading permit, the applicant shall complete the following to the satisfaction of the City Engineer.
1. Storm drain calculations to determine detention/retention pond sizing and operations.
 2. Plan describing how material excavated during construction will be controlled to prevent this material from entering the storm drain system.
 3. Water Pollution Control Drawings (WPCD) for Sediment and Erosion Control.
- (CMH Design Standards and Standard Details for Construction)**
- D. **NPDES Construction Activity General Permit/SWPPP Requirements:** As required by the State Water Resources Control Board (SWRCB) Order No. 2009-0009-DWQ, construction activity resulting in a land disturbance of one (1) acre or more of soil, or whose projects are part of a larger common plan of development that in total disturbs more than one (1) acre, are required to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 for Discharges of Storm Water Associated with Construction Activity (General Permit). To be permitted with the SWRCB under the General Permit, owners must file a complete Notice of Intent (NOI) ONLINE at: <http://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.jsp> and develop a Storm Water Pollution Prevention Plan (SWPPP) Manual in accordance with the General Permit. The SWPPP Manual shall follow the CASQA SWPPP template/format at: <https://www.casqa.org/store/products/tabid/154/p-167-construction-handbookportal-initial-subscription.aspx> and shall be approved by Public Works Engineering. A Waste Discharger Identification (WDID) number to be issued to

the construction site after the SWRCB receives and verifies the submitted ONLINE NOI information. The WDID number and approved SWPPP Manual shall be provided to Public Works and the Building Department prior to any approval of grading activities (**SWRCB NPDES General Permit CAS000002**).

E. NPDES General Permit Site SWPPP Inspections and Compliance:

1. ALL project onsite and offsite construction activity shall have the site inspected by a **qualified third party SWPPP Inspector (QSD or QSP or RCE)**.
2. SWPPP Inspections shall occur weekly during the rainy season (September 15th thru May 1st).
3. SWPPP Inspections shall occur bi-weekly during the non-rainy season.
4. 48 hours prior to and following a forecasted rain event, SWPPP Inspections shall occur in addition to those of items 2 or 3 above.
5. Per each of the inspection conditions 2, 3, or 4, the NPDES SWPPP Inspector shall certify in writing to the Building and Public Works Department if the site is in compliance or non-compliance with the NPDES General Permit for Stormwater, site SWPPP Manual, and Water Pollution Control Drawings (per the CMH-SWPPP Inspection Check List to be provided by Public Works). QSD/QSP SWPPP Inspectors shall forward onsite and offsite information/certification to the Building (on-site private property issues) and Public Works (public right-of-way issues) inspectors respectively. SWPPP inspection reports, and when applicable, Rain Event Action Plans (REAPS) shall be e-mailed to: sw.construction@morganhill.ca.gov no later than 12:00 PM each Monday for the previous week's inspections with a brief statement whether the site is in compliance or non-compliant.
6. Prior to rain events, BMPs not in compliance will need to be corrected immediately.
7. Illicit discharges per the NPDES General Permit, non-compliance of tracking control, and inlet protection within the public right-of-way shall be addressed immediately.
8. Other non-compliance issues need to be addressed within a 24-hour period.
9. Non-compliance issues which have been corrected shall be verified by NPDES SWPPP Inspector by a follow-up inspection.
10. BMP maintenance/inspections shall include tree protection, if applicable.

III. WATER SYSTEM

- A. **Water Meter:** Provide water service and meter for the property. These are to be installed by developer. (**MHMC 17.32.020 D**)

IV. OTHER CONDITIONS

- A. **Easement Dedications:** The owner shall dedicate all necessary utility easements. (**MHMC 12.02.080 D; 17.28.010 A**)

- B. **Undergrounding New Utilities:** The applicant shall cause the design and construction required to underground all electric, gas, Cable TV and communication lines within the development. Such design and construction shall be to the satisfaction of the affected utilities and the City Engineer. **(MHMC 17.32.020 E.1)**
- C. **Landscaping and Irrigation Systems:** Landscaping and irrigation systems serving common areas that are required to be installed in the public right-of-way on the perimeter of this project shall be continuously maintained by the property owner or designated maintenance entity.
- D. **Pre-construction Meeting (if applicable):** Prior to the approval of any Building Permit for grading activity, the developer shall schedule a pre-construction meeting with the Public Works Inspection Division with the following project team members:
1. Civil Engineer of record
 2. Geotechnical Engineer of record
 3. Third Party QSD/QSP SWPPP Inspector
 4. General Contractor
 5. Sub-Contractors
- E. **As-Built Submittal Standards:** The developer shall submit digital as-builts of the project's Final Map, Grading Plan, and Improvement Plans which adhere to the City's updated GIS/CAD Developer Submittal Standards.

V. NPDES STORMWATER MANAGEMENT DEVELOPMENT STANDARDS

- A. **Stormwater Post-Construction Requirements (PCRs):** Project shall comply with the California Regional Water Quality Control Board Central Coast Region Resolution No. R3-2013-0032 as documented by the **Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements** (developed from Resolution No. R-2013-0032 Attachment 1 and 2 at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/stormwater/docs/lid/lid_hydromod_charette_index.shtml). A copy of the Guidance Manual can be obtained from the City's Land Development Engineering webpage. Project shall provide Stormwater Runoff Management Plan, Stormwater Control Plan and Checklist, and applicable calculations per the Guidance Manual. Project shall meet the applicable Post-Construction Requirements:
1. Performance Requirement 1: Site Design and Runoff Reduction
 2. Performance Requirement 2: Water Quality Treatment
 3. Performance Requirement 3: Runoff Retention
 4. Performance Requirement 4: Peak Management

- B. Peak Storm Water Runoff Discharge Rates:** Post-development peak storm water runoff discharge rates shall not exceed the estimated pre-development rate for developments where the increased peak storm water discharge rate will result in increased potential for downstream erosion. Note: the project may be required to **retain** stormwater runoff as part of resolution R3-2013-0032 prior to releasing discharge rates at pre-development flows.
- C. Storm Drain System Stenciling and Signage:** All storm drain inlets and catch basins within the project area must be stenciled with prohibitive language (such as: "NO DUMPING – DRAINS TO CREEK") and/or graphical icons to discourage illegal dumping. Signs and prohibitive language and/or graphical icons, which prohibit illegal dumping, must be posted at public access points along channels and creeks within the project area. Legibility of stencils and signs must be maintained.
- D. Trash Enclosure Areas:** In addition to compliance with the requirements under Municipal Code Section 18.92.155 (Refuse and Recycling Enclosures), all trash enclosure areas must meet the following Structural or Treatment Control BMP requirements:
1. **Roof Required:** Trash enclosure areas shall have an all-weather noncombustible solid roof to prevent rainwater from mixing with the enclosure's contents.
 2. **Walls Required:** Trash enclosure shall have structural walls to prevent unauthorized off-site transport of trash.
 3. **Doors:** Trash enclosure shall have door(s) which can be secured when closed.
 4. **Grades:** The pad for the enclosure shall be designed to not drain outward, and the grade surrounding the enclosure shall be designed to not drain into the enclosure.
 5. **Drain Inlet:** Within the enclosure, an area drain with an approved (Zurn) vandal proof drain shall be installed and shall be plumbed to the sanitary sewer system with grease trap. Grease trap shall be located within the trash enclosure footprint.
- E. Design Standards for Structural or Treatment Control BMPs:** The post-construction treatment control BMPs shall incorporate, at a minimum, either a volumetric or flow- based treatment control design standard, or both, as identified below to mitigate (infiltrate, filter or treat) storm water runoff:
1. **Volumetric Treatment Control BMP**
 - a. The 85th percentile 24-hour runoff event determined as the maximized capture storm water volume for the area, from the formula recommended in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998); or
 - b. The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method

recommended in California Stormwater Best Management Practices Handbook – Industrial/ Commercial, (2003); or

- c. The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for “treatment” that achieves approximately the same reduction in pollutant loads achieved by the 85th percentile 24-hour runoff event.
 2. Flow Based Treatment Control BMP
 - a. The flow of runoff produced from a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the area; or
 - b. The flow of runoff produced from a rain event that will result in treatment of the same portion of runoff as treated using volumetric standards above.
- F. **Stormwater Runoff Management Plan (SWRMP):** The Stormwater Runoff Management Plan shall include sufficient information to evaluate the environmental characteristics of affected areas, the potential impacts of the proposed development on water resources, and the effectiveness and acceptability of measures (post construction BMPs) proposed for managing stormwater runoff.
1. The Stormwater Runoff Management Plan shall be prepared under the direction of a professional civil engineer registered in the State of California. The responsible professional civil engineer shall stamp and sign the approved Stormwater Runoff Management Plan.
 2. The developer shall provide a signed certification from the civil engineer responsible for preparing the Stormwater Runoff Management Plan that all stormwater best management practices have been designed to meet the requirements.
- G. **Stormwater BMP Operation, Maintenance, and Replacement Responsibility**
1. Prior to building final, the property owner shall submit a signed certification (with signature, date & license number/seal) certifying that all post-construction stormwater management/BMP facilities shown on the as-built drawings were inspected by the civil engineer (or by a qualified third party stormwater inspector hired by the permittee/owner) and have been constructed in accordance with the approved plans and specifications.
 2. All on-site stormwater management facilities shall be operated and maintained in good condition and promptly repaired/replaced by the property owner(s), an owners' or homeowners' association or other legal entity approved by the City.
 3. Any repairs or restoration/replacement and maintenance shall be in accordance with City-approved plans.
 4. The property owner(s) shall develop a maintenance schedule for the life of any stormwater management facility and shall describe the maintenance to be completed, the time period for completion, and who shall perform the maintenance. This maintenance schedule shall be included with the approved Stormwater Runoff Management Plan.

- H. **Stormwater BMP Operation and Maintenance Agreement (SWBOMA):** Prior to the issuance of any building permit requiring stormwater management BMPs, the owner(s) of the site shall enter into a formal written Stormwater BMP Operation and Maintenance Agreement with the City. The City shall record this agreement, against the property or properties involved, with the County of Santa Clara and it shall be binding on all subsequent owners of land served by the stormwater management BMPs. The City standard Stormwater BMP Operation and Maintenance Agreement will be provided by Land Development Engineering at building permit/improvement plan stage.
- I. **Stormwater BMP Inspection Responsibility**
1. The property owner(s) shall be responsible for having all stormwater management facilities inspected for condition and function by a **certified Qualified Stormwater Practitioner (QSP)**.
 2. Unless otherwise required by the City Engineer or designee, stormwater facility inspections shall be done at least twice per year (April 15th and September 15th) by the QSP. Written records shall be kept of all inspections and shall include, at minimum, the following information:
 - a. Site address;
 - b. Date and time of inspection;
 - c. Name of the person conducting the inspection;
 - d. List of stormwater facilities inspected;
 - e. Condition of each stormwater facility inspected;
 - f. Description of any needed maintenance or repairs; and
 - g. As applicable, the need for site re-inspection.
 3. Upon completion of each inspection, an inspection report shall be submitted to the Environmental Division.
- J. **Records of Maintenance and Inspection Activities:** On or before April 15th and September 15th of each year, the party responsible for the operation and maintenance of on-site stormwater management facilities under the BMP Operation and Maintenance Agreement shall provide the City Engineer or designee with records of all inspections, maintenance and repairs.

Annual Certification of SWRMP: On or before September 30th of each year, a Registered Civil Engineer (RCE) shall provide written certification that the project's stormwater quality design standards are properly maintained and functioning as required by the SWRMP.

BUILDING DIVISION

- A. **California Code of Regulations:** The Project shall be designed to comply with the edition of the California Codes of Regulations as amended by the Morgan Hill Municipal Code Title 15 that is in effect at the time of Building Permit Application submittal. The project shall be designed to comply with the most current California Code of Regulations as amended by Morgan Hill Municipal Code Title 15.

- B. Project shall comply with the Morgan Hill Municipal Code (MHMC) including but not limited to:
- MHMC 15.65 Sustainable Building Regulations. LEED Silver Required
 - MHMC 15.40 Building Security
 - MHMC 15.62 Electrical Vehicle Charging Infrastructure
 - MHMC 15.38 Wage Theft Preventions
 - MHMC 18.148 Water Conservation
 - MHMC 15.63 Prohibition of Natural Gas Infrastructure in New Buildings
- C. The Building Permit Plan submittal shall comply with the Building Divisions electronic plan format requirements:
<https://www.morganhill.ca.gov/DocumentCenter/View/44078/Electronic-Plan-Review-Format-Requirements>

FIRE PREVENTION DIVISION

- A. Project shall meet the minimum requirements of 2022 CFC and the City of Morgan Hill's Fire Prevention Standards:
<https://www.morganhill.ca.gov/DocumentCenter/View/10668/Fire-Details-andSpecs?bidId=>

ENVIRONMENTAL SERVICES DIVISION

- A. Please review the updated Checklist and return it with any additional notes that the Landscape Architect may include. All components of the Checklist must be met/addressed. Please include page numbers on all items. (MH MuniCode 180.148 and MHMC 18.64)
- B. On L0.0, add the signature of the owner/developer to this statement → "After installation of landscaping on property, I agree to have an irrigation audit, landscape audit, irrigation schedule, and maintenance schedule conducted by a Certified Irrigation Auditor and submit it to the City for final project sign off".
- C. On L0.0, add the signature of the owner/developer to this statement → "The developer will submit receipts and/or invoices for all compost and mulch purchases to Environmental Services Division after final construction".
- D. Please add a note on L0.0 that the recommended soil amendments will be incorporated.
- E. On page L0.0, in the Landscape Requirements, item #2 states "sod installation". As there is no sod/turf planned for this project, please remove all mentioning of sod, turf, and lawn.
- F. The Total Landscape Area noted on page L0.0 if different than that on L0.1 and L0.2. Please correct the discrepancy.

- G. All plants and trees shall be categorized as **low or very low water use** in the Central Coast as defined by the water use classification of landscape species (WUCOLS) database (MHMC18.64.060 A.1).
- Please add the specification note of "CA Native Cultivators" to Achillea Millefolium. Only CA native cultivators are low water use. Non-native hybrids are moderate water use and cannot be used.
- H. Irrigation plan details need to be provided.
- I. Project Shall address Morgan Hill Municipal Code (MHMC) 18.148 – Water Conservation and MHMC 18.64 Landscaping and complete/submit the provided checklist

POLICE DEPARTMENT

- A. **Safety and Security Plan.** The Police Department shall review and approve a safety and security plan for the facility including a security camera plan prior to the issuance of a building permit.
- B. **Camera Access.** The Police department will require access to camera feed and camera recordings to be able to view real time and recorded footage if/when required.



About Raising Cane's

- Todd Graves founded Raising Cane's in 1996 at the north gates of LSU's Campus in Baton Rouge, LA.
- Raising Cane's is predominately a company-owned and -operated business, meaning a majority of Raising Cane's Restaurant locations are owned by the corporation

Menu and Restaurant Operations

- Raising Cane's has a "focused menu" which allows it to receive the highest ratings in the industry for order accuracy, speed of service, food quality, and value.
- Raising Cane's serves only fresh chicken tenders, premium center cut fries, homemade coleslaw, thick-buttered Texas Toast, fresh-squeezed lemonade and freshly brewed tea. The restaurant also serves Coke products and premium condiments, for example: Heinz ketchup.
- Raising Cane's receives deliveries of fresh chicken every 24 hours.
- Raising Cane's has drive-thru and dining room service, and its facilities are top of the line in the quick-casual restaurant environment.
- Standard hours of operation are:
 - 9:00am to 3:30am, seven days/week
- 45 to 50 full and part-time employees will be employed with an average of 12 Crew members per shift. Raising Cane's prides itself on always paying higher than the minimum wage, with managers and upper-level employees earning executive-level salaries.

Traffic, Queuing and Speed of Service

Restaurant Crew steps for managing traffic/queuing:

- There's no formulaic, one-size-fits-all approach.
- Raising Cane's boasts a cross-functional team made up of Property Development, Legal, Restaurant Excellence, Risk Management, etc. to help address traffic and queuing concerns. Raising Cane's focuses a lot of effort, time, and expense on addressing these issues. The restaurant will even engage outside consultants when helpful.
- Raising Cane's will employ the following solutions as necessary:
 - Implementing cones/signage/stripping in the parking lot when sufficient.
 - Deploying Crew members to the parking lot (weather- and safety-permitting) with handheld devices to take orders and direct traffic.
 - Hiring off-duty police officers (at significant expense) to direct traffic when needed.
 - Working with landlords, property managers, adjacent tenants, and cities to design the optimal DT stack.
- Raising Cane's' speed of service is the best in the industry. The use of handheld tablets

increases traffic flow, while the rollout of its mobile ordering app and re-opening of its dining rooms will prove helpful in managing our drive-thru stack.

- Speed of Service is 2 minutes 28 seconds (this is from the time a customer is at the order board to retrieval of their order).
- The restaurant does not have a “wait for your order” parking stall. Each item is cooked to order and part of the speed of service time, aided by a “focused menu” that benefits our efficiency.
- As soon as the cameras capture a customer parking or pulling into the drive-thru, we start frying product. Thanks to Raising Cane’s’ “focused menu,” the Crew already knows what you are going to order – chicken fingers!
- Raising Cane’s’ current site plan, with multi-lane drive-thru and expo lane, allows for more efficient queueing and drive-thru.

Site and Building

- Each site is developed under the highest standards with wider drive aisles and heavy landscapes. The building is constructed using genuine brick and the highest building-grade materials.
- In addition to high quality materials, Raising Cane’s also implements the use of sustainable materials. For instance, the “1” architectural feature on the front of the building is constructed/created out of recycled metal from old cars.
- A muralist is hired to hand-paint a mural on the side of the restaurant, where the name of the town is prominently placed to promote a sense of pride and local community identity.
- Raising Cane’s bids each project to nationally approved General Contractors; however, individual trades are bid out to local subcontractors that source local labor.

Community Involvement

- Raising Cane’s is most proud of its ACI: Active Community Involvement. The Brand takes pride in quickly becoming the top supporters of local school districts through fundraisers and additional support.
- **Raising Cane’s’ commitment to the community (also referred to as the “Six Pillars” of community engagement):**
 - Education
 - Feeding the hungry
 - Pet Welfare
 - Active Lifestyles
 - Business Development & Entrepreneurship
 - & Everything Else (the catch all)

Miscellaneous Information

- **Avg # of Crew per location?**
 - 45-50
- **Avg # of Crew per shift?**
 - +/- 12 (including managers – 2 per shift)
- **Avg # of meals sold per shift?**
 - +/- 750 (lunch)
 - +/- 550 (Dinner)
- **Percentage of Dine in Vs. To go**
 - 60% Drive thru
 - 40 % Dine in
- **Avg # of Truck Deliveries?**
 - 3X-Week
- **Avg # of Apron Drop off?**
 - 3X-Week
- **Avg # of laundry pick up?**
 - 1-2X-Week
- **Avg # of trash pick up?**
 - 5X-Week
- **Areas surrounding the building will be kept clear of unnecessary litter, brush and boxes that could create harborage for rodents and pest by way of the Restaurant Image Position Crew member, who is tasked with ensuring the site is free of debris and that preventative monthly pest control is completed.**

COMBOS

Coleslaw, fries and toast can be substituted for one another or for an extra Cane's Sauce.



DRINKS

Freshly-Brewed Sweet & Unsweet Tea

Kids 12oz Regular 22oz Large 32oz

Fountain Drinks

Kids 12oz Regular 22oz Large 32oz

Freshly-Squeezed Lemonade

Kids 12oz Regular 22oz Large 32oz



LEMONADE REFILLS

The Jug 1 Gallon
 Perfect for Tailgates!

Tea

Lemonade

TAILGATES

25 Fingers

50 Fingers

75 Fingers

100 Fingers

Each additional
 100 Fingers

*Cane's Sauce included with
 each Tailgate order!*



EXTRAS

Chicken Finger

Texas Toast

Cane's Sauce

Coleslaw

Crinkle-Cut Fries

KIDS COMBO

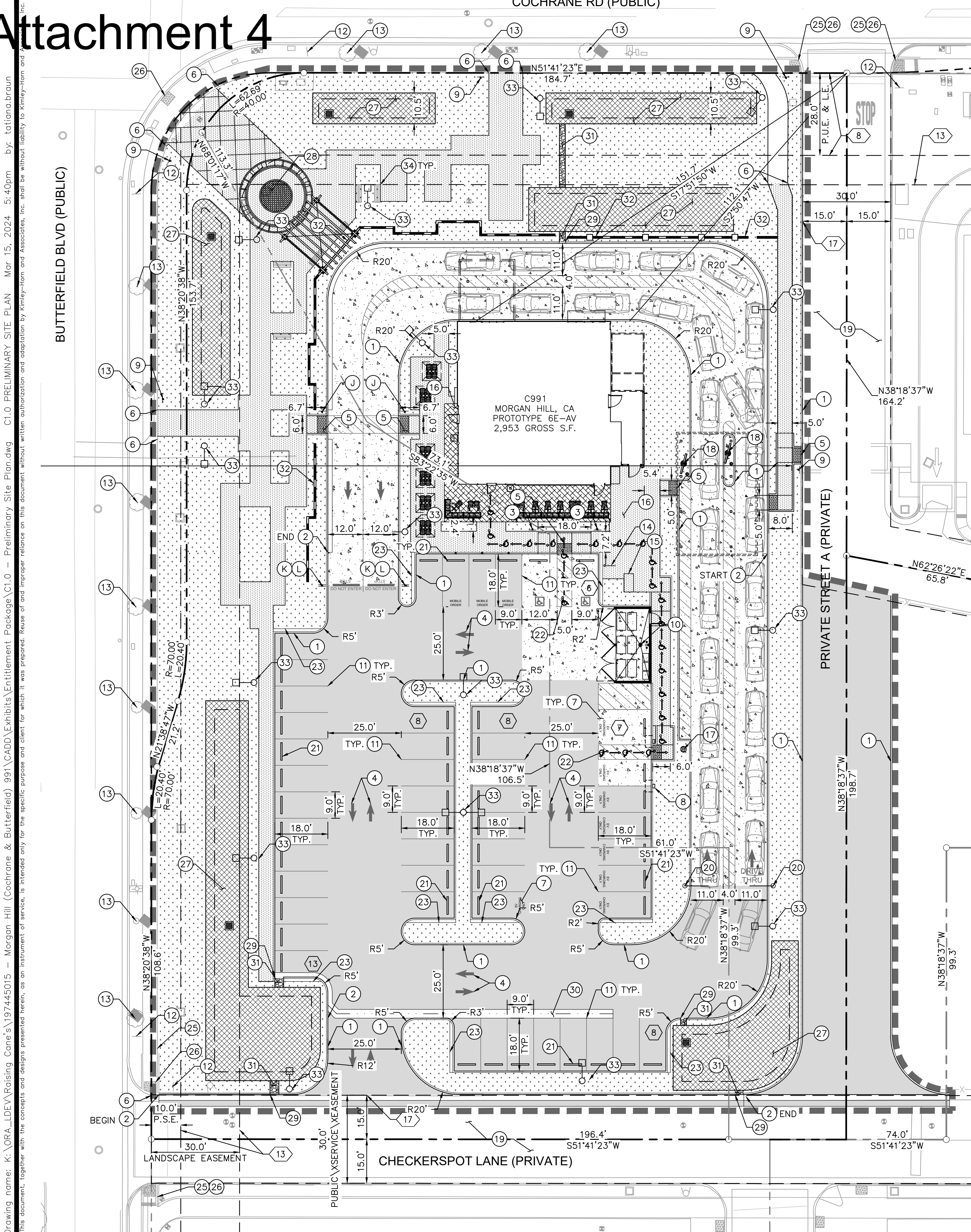
Ages 12 & Under

2 Chicken Fingers

Crinkle-Cut Fries, 1 Cane's Sauce, Kids Drink (12oz Fountain Drink, Milk or Apple Juice), with Activity



Item 2
Attachment 4



LEGEND:

- CENTER LINE
- EXISTING PARCEL LINE TO BE REMOVED PER LOT LINE ADJUSTMENT BY OTHERS
- PROPOSED PARCEL LINE PER LOT LINE ADJUSTMENT BY OTHERS
- EASEMENT LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE
- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- LANDSCAPE/PLANTER AREA
- HEAVY DUTY ASPHALT PAVEMENT
- DETECTABLE WARNING SYSTEM
- COLORLED CONCRETE/ENHANCED PAVING
- BIORETENTION BASIN
- ACCESSIBLE ROUTE (LOCATION PURPOSES ONLY, DO NOT PAINT)
- SIGN POST
- ACCESSIBLE PARKING SPACE
- NUMBER OF PARKING SPACES

CONSTRUCTION NOTES:

- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- ACCESSIBLE PARKING STALL SIGN
- DIRECTIONAL MARKING PER PLAN
- ACCESSIBLE RAMP WITH DETECTABLE WARNING (TRUNCATED DOMES)
- JOIN EXISTING CURB, CURB & GUTTER, SIDEWALK
- "EV CHARGING ONLY" IN 12" HIGH WHITE LETTERS AT THE END OF PARKING STALL
- FUTURE E/V CHARGING STATION. CONDUIT TO BE RAN TO STALL FOR FUTURE CONNECTION
- ADA PATH OF TRAVEL SIGN
- COVERED TRASH ENCLOSURE AND RECYCLING BIN STORAGE
- STANDARD 90° PARKING STALL STRIPING
- EXISTING SIGN TO REMAIN
- EXISTING TREE TO REMAIN
- SHORT TERM BIKE RACK
- LONG TERM BIKE RACK
- OUTDOOR COVERED PATIO TO BE STAINED STANDARD DUTY CONCRETE PAVEMENT
- PREVIEW BOARD
- ORDER BOARD
- EXISTING DRIVEWAY TO REMAIN
- HEIGHT DETECTOR POLE
- INSTALL WHEELSTOPS FOR PARKING SPACES ADJACENT TO WALKWAYS
- ACCESSIBLE PATH OF TRAVEL STRIPING. ACCESSIBLE PATHS SHALL BE ENHANCED PAVING
- 18" WALK-OFF CURB
- STANDARD 90° PARKING STALL TO REMAIN
- SIDEWALK TO REMAIN
- CURB RAMP TO REMAIN
- PROPOSED BIORETENTION BASIN
- PAVING WITH ARTWORK TO BE A DEFERRED SUBMITTAL.
- 2' WIDE CURB CUT
- 3' WIDE VALLEY GUTTER
- GRAVEL RIP-RAP
- 3' HIGH DECORATIVE CMU BLOCK SCREENING WALL.
- PROPOSED SITE LIGHTING
- PROPOSED BENCH OR SEAT WALL OR OTHER TO BE LATER DEFINED IN CONSTRUCTION DOCUMENTATION

LEGAL DESCRIPTION

THE LAND REFERRED TO IS SITUATED IN THE COUNTY OF SANTA CLARA, CITY OF MORGAN HILL, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:
PARCELS 1 AND 2, AS SHOWN UPON THAT CERTAIN "PARCEL MAP EVERGREEN VILLAGE" FILED JULY 17, 2019 IN BOOK 924, PAGES 45, 46, 47.
APN'S: 726-58-001 (PARCEL 1) AND 726-58-002 (PARCEL 2)

VERTICAL DATUM

NAVD 88 AS ADJUSTED TO THE SANTA CLARA COUNTY BENCHMARK "HS2754" BEING A BENCH MARK DISC SET IN A CONCRETE WALL, STAMPED "R 19 1919", ELEVATION: 353.29'.

SIGN INFORMATION

- INSTALL CMUTCD SIGN R5-1 - "YIELD TO PEDESTRIANS"
- INSTALL CMUTCD SIGN R5-1 - "DO NOT ENTER"
- INSTALL CMUTCD SIGN R1-1 - "STOP"

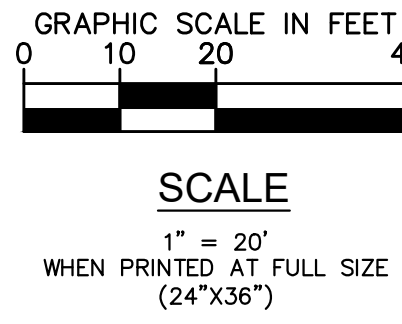
SITE DATA

PROJECT DESCRIPTION:	NEW CONSTRUCTION OF A RAISING CANE'S DRIVE THRU RESTAURANT, PARKING LOT, AND OUTDOOR PATIO AREA.		
ADDRESS:	BUTTERFIELD AND COCHRANE, MORGAN HILL, CA 95037		
APN:	726-58-002/1		
ZONING DISTRICT:	PUD - PLANNED UNIT DEVELOPMENT - EVERGREEN VILLAGE (EXISTING) PUD - PLANNED UNIT DEVELOPMENT - EVERGREEN VILLAGE (PROPOSED)		
ADJACENT ZONING DISTRICTS:	NE: PD - PLANNED DEVELOPMENT COMBINING DISTRICT SW: PUD - PLANNED UNIT DEVELOPMENT - EVERGREEN VILLAGE SE: PUD - PLANNED UNIT DEVELOPMENT - EVERGREEN VILLAGE		
LAND USE:	COMMERCIAL		
ADJACENT LAND USE:	N: COMMERCIAL S: RESIDENTIAL E: VACANT W: VACANT		
GENERAL PLAN DISTRICT:	COMMERCIAL GENERAL COMMERCIAL		
SPECIFIC PLAN:	N/A		
FLOOD ZONE:	ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.02% ANNUAL CHANCE FLOODPLAIN.		
TOTAL DISTURBED AREA:	84,718 S.F.	(1.94 AC)	
TOTAL PAD AREA:	82,771 S.F.	(1.90 AC)	
TOTAL COMMERCIAL CENTER AREA:	-	-	
LOT COVERAGE:			
TOTAL SITE AREA:	84,718 S.F.	(1.94 AC)	100%
BUILDING AREA:	2,953 S.F.	(0.07 AC)	3.5%
IMPERVIOUS AREA:	56,016 S.F.	(1.29 AC)	66.1%
LANDSCAPE AREA:	25,749 S.F.	(0.59 AC)	30.4%
PARKING/LANDSCAPE BUFFER:			
NORTH (COCHRANE):	30.0'		
WEST (BUTTERFIELD):	30.0'		
EAST (INTERIOR ACCESS ROAD):	15.0'		
SOUTH (EVERGREEN VILLAGE ROAD):	15.0'		
PARKING SUMMARY:	RAISING CANE'S: 2,953 S.F. BUILDING (1 STALL/100 S.F.) = 30 TOTAL STALLS REQUIRED PER CITY CODE		
	• 2,953 S.F. (BUILDING)		
	• ADA PARKING FOR 26-50 PARKING STALLS = 2 ADA PARKING STALLS REQUIRED, PER 2022 CBC.		
	• NUMBER OF REQUIRED EV CAPABLE SPACES = 6 EV CAPABLE STALLS REQUIRED		
	• NUMBER OF ELECTRIC VEHICLE CHARGING STATIONS (EVCS) = 2 OUT OF THE 8 EV CHARGING STATIONS, OF THOSE, 1 MUST BE VAN ACCESSIBLE, AND 1 MUST BE STANDARD ACCESSIBLE. (EVCS STALLS ARE ALSO EV CAPABLE).		
	TOTAL NUMBER OF PARKING SPACES PROVIDED = 50		
PARKING TABLE:			
STANDARD	20	38	
COMPACT (C)	-	-	
MOTORCYCLE	6	6	
EV CAPABLE	2	2	
EV CHARGING STATIONS			
ACCESSIBLE TOTAL:	2	50	
	30	50	
	* TOTAL DRIVE THRU QUEUE STACKING = 286 LF (INNER LANE) / 308 LF (OUTER LANE)		

TITLE REPORT EXCEPTIONS

- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.
FOR: RIGHT OF WAY
- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS SHOWN ON THE MAP FILED ON JULY 3, 2000 IN BOOK 729 OF OFFICIAL RECORDS, AT PAGES 35 AND 36.
FOR: LANDSCAPE AND PUBLIC SERVICE AND PUBLIC UTILITY
- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.
FOR: PUBLIC UTILITIES, INGRESS AND EGRESS

VICINITY MAP
MORGAN HILL,
CALIFORNIA



Know what's below.
Call before you dig.

ISSUE	DATE	DESCRIPTION
	02/06/24	80% SUBMITTAL

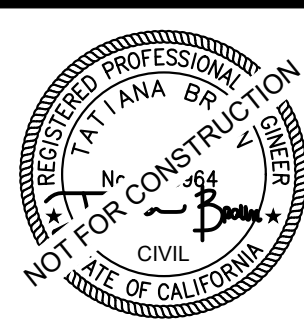
SS
DRAWN BY
TB
CHECKED BY
JP
RECOMMENDED

Kimley»Horn
2121 S EL CAMINO REAL, SUITE 800
SAN MATEO, CA 94403
(650)-263-4915
PREPARED UNDER THE DIRECT SUPERVISION OF:
TATTANA BRAUN, R.C.E. NO. 93964
DATE: 02/06/24
EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:
QTY ENGINEER
RCE #
EXP
DATE

BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
PRELIMINARY SITE
PLAN
C1.0



2121 S EL CAMINO REAL, SUITE 800
SAN MATEO, CA 94403
(650)-263-4915

PREPARED UNDER THE DIRECT SUPERVISION OF:
 DATE: 02/06/24

TATIANA BRAIN, R.C.F. NO. 93964 FXP 09/30/2024

CITY ENGINEER _____ DATE _____
RCE # _____ EXP _____



C2.0

GRADING AND DRAINAGE NOTES

- 1 STORM DRAIN PIPE SLOPED AT 0.5% MIN. SIZE PER PLAN
- 2 CONCRETE CURB AND GUTTER
- 3 CONCRETE VALLEY GUTTER
- 4 TRASH ENCLOSURE DRAIN WITH ACCESSIBLE GRATE. DRAIN TO SEWER
- 5 PROPOSED CMU BLOCK WALL
- 6 PROPOSED UNDERGROUND INFILTRATION CHAMBER
- 7 2' CURB CUT
- 8 OVERFLOW RISER
- 9 CONNECT TO EXISTING STORM DRAIN LINE
- 11 PROPOSED MANHOLE
- 12 PARKWAY DRAIN @MIN 0.5%

CUT:	1,144 CY
FILL:	584 CY
NET:	560 CY (EXPORT)

NOTE: THE ABOVE QUANTITIES ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S).

THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, OVER- EXCAVATION AND RE-COMPACTON, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, FOOTINGS, SLABS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC. THE CONTRACTOR SHALL RELY ON THEIR OWN EARTHWORK ESTIMATES FOR BIDDING PURPOSES.

NAVD 88 AS ADJUSTED TO THE SANTA CLARA COUNTY BENCHMARK "HS2754" BEING A BENCH MARK DISC SET IN A CONCRETE WALL, STAMPED "R 19 1919", ELEVATION: 353.29'.

THE BASIS OF BEARINGS FOR THIS SURVEY IS IDENTICAL TO THE CENTERLINE OF COCHRANE ROAD AS SHOWN ON THAT PARCEL MAP RECORDED IN BOOK 729 OF MAPS ON PAGES 35 AND 36, SANTA CLARA COUNTY RECORDS.

8 AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.

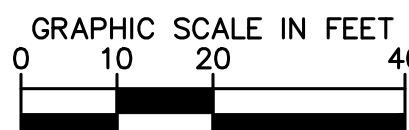
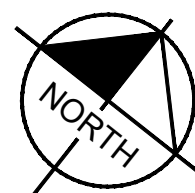
FOR: RIGHT OF WAY

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FOR: LANDSCAPE AND PUBLIC SERVICE AND PUBLIC UTILITY

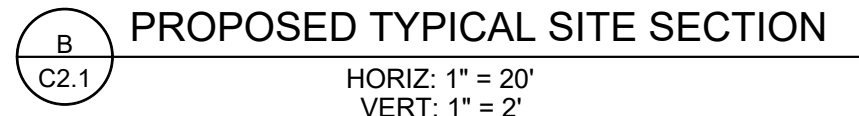
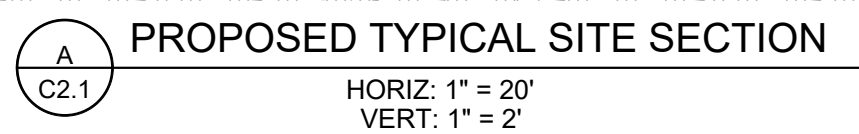
- 16 AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.

FOR: PUBLIC UTILITIES, INGRESS AND EGRESS



SCALE

1" = 20'
WHEN PRINTED AT FULL SIZE
(24"X36")

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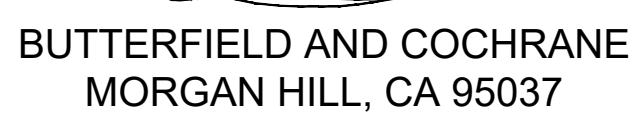


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(505)-263-4915

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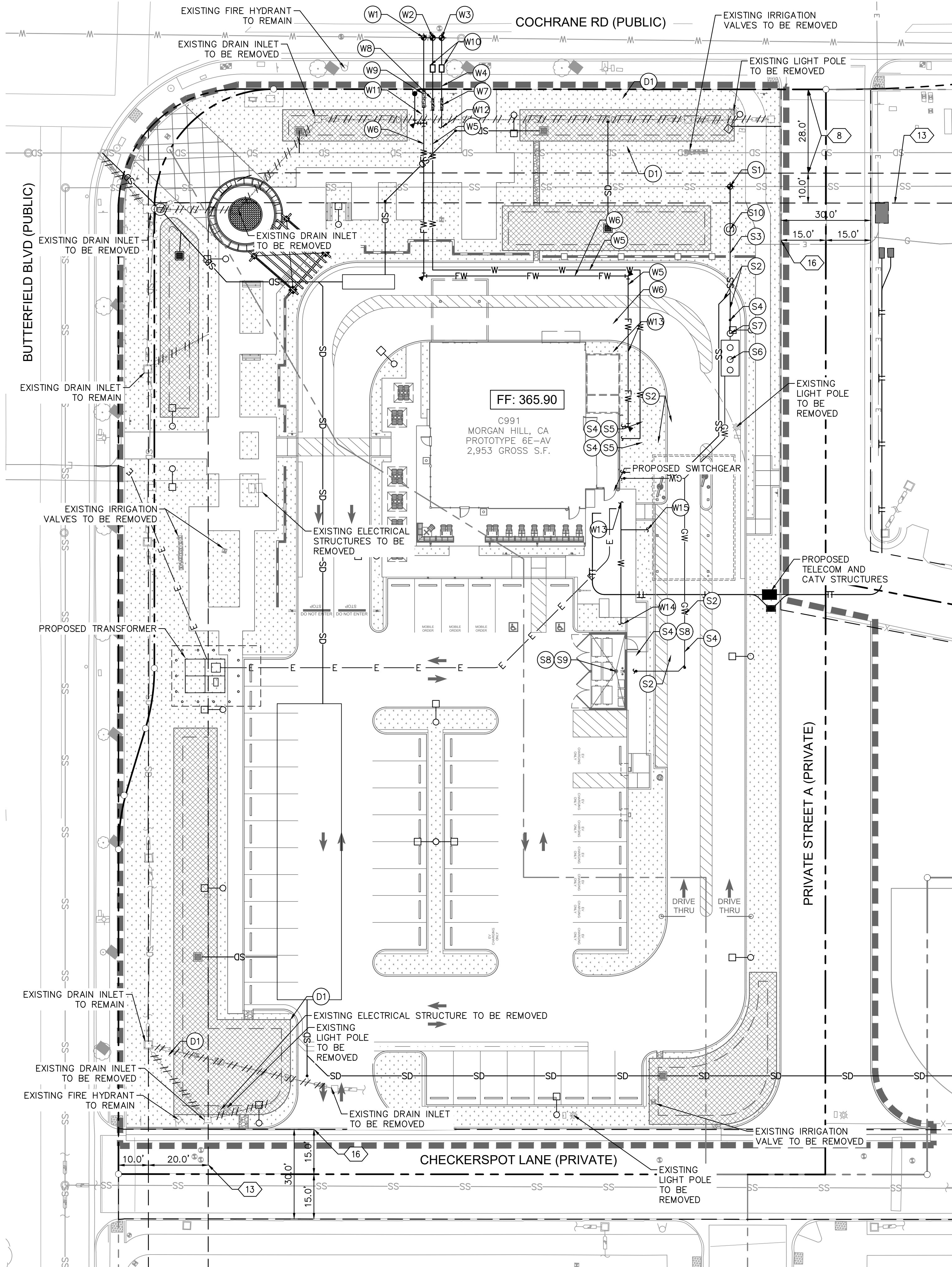
 TATIANA BRAUN, R.C.E. NO. 93964
 DATE: 02/06/24
 EXP. 09/30/2024

CITY OF MORGAN HILL	
APPROVED BY: _____	
CITY ENGINEER RCE # _____ EXP _____	DATE _____

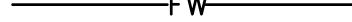
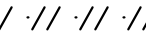


TYPICAL CROSS SECTIONS

C2.1



LEGEND

	CENTER LINE
	PROPERTY LINE
	RIGHT OF WAY / LEASE LINE
	EASEMENT LINE / SETBACK LINE
	APPROXIMATE LIMIT OF WORK LINE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM DRAIN LINE
	PROPOSED WATER LINE
	PROPOSED FIRE WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED GREASE WASTE LINE
	PROPOSED STORM DRAIN LINE
	EXISTING STORM DRAIN LINE TO BE REMOVED/ABANDONED
	GREASE WASTE INTERCEPTOR

WATER NOTES

- (W1) CONNECT TO EXISTING WATER LINE FOR 6" FIRE WATER SERVICE.
- (W2) CONNECT TO EXISTING WATER LINE FOR 2" DOMESTIC SERVICE.
- (W3) CONNECT TO EXISTING WATER LINE FOR 1" IRRIGATION SERVICE
- (W4) 1" PVC SCH. 80 IRRIGATION WATER LINE.
- (W5) 2" PVC SCH. 80 DOMESTIC WATER LINE.
- (W6) 6" PVC C-900 CLASS 150 FIRE WATER LINE.
- (W7) 1" IRRIGATION BACKFLOW PREVENTER.
- (W8) 2" WATER BACKFLOW PREVENTER.
- (W9) DOUBLE DETECTOR CHECK VALVE ASSEMBLY.
- (W10) WATER METER.
- (W11) FIRE DEPARTMENT CONNECTION.
- (W12) IRRIGATION POINT OF CONNECTION.
- (W13) BUILDING POINT OF CONNECTION (5'-FT FROM BUILDING FACE).
- (W14) 3" HOT / COLD WATER TO HOSE BIB IN TRASH ENCLOSURE.
- (W15) 3" HOT / COLD WATER TO HOSE BIB IN CANOPY.

SANITARY SEWER NOTES

- S1 CONNECT TO EXISTING SEWER MANHOLE.
- S2 4" SDR-35 PVC SEWER PIPE AT MINIMUM 2% SLOPE.
- S3 6" SDR-35 PVC SEWER PIPE AT MINIMUM 2% SLOPE.
- S4 SEWER CLEAN-OUT.
- S5 BUILDING POINT OF CONNECTION.
- S6 JENSEN PRECAST 1500 GAL. GREASE INTERCEPTOR.
- S7 JENSEN PRECAST SAMPLE BOX.
- S8 DRAIN WASTE LINE POINT OF CONNECTION AT TRASH ENCLOSURE.
- S9 DRAIN IN TRASH ENCLOSURE. DRAIN TO SEWER.
- S10 PROPOSED SANITARY SEWER TEST MANHOLE.

STORM DRAIN NOTES

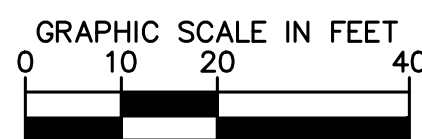
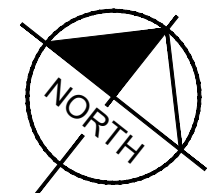
- (D1) REFER TO SHEET C2.0 FOR MORE INFORMATION FOR ON-SITE STORM DRAIN SYSTEM.

GENERAL NOTES

1. THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS, A TOPOGRAPHICAL AND UNDERGROUND SURVEY WILL BE REQUIRED TO DETERMINE THE FINAL LOCATION OF ALL EXISTING AND PROPOSED UTILITY ROUTINGS.
2. COORDINATION WITH UTILITY SURVEYORS WILL BE REQUIRED TO DETERMINE FINAL LOCATION OF ALL PROPOSED CONNECTIONS TO PUBLIC MAIN LINES.
3. ALL DRY AND WET UTILITY CROSSING SHALL HAVE MIN. 12" VERTICAL CLEARANCE.
4. EXISTING, UNUSED WATER AND SEWER LATERALS SHALL BE ABANDONED AT THE MAIN PURSUANT TO CITY STANDARDS.

TITLE REPORT EXCEPTIONS

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SCALE

1" = 20'
WHEN PRINTED AT FULL SIZE
(24"X36")



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PREPARED UNDER THE DIRECT SUPERVISION OF:

 TATIANA BRAUN, R.C.E. NO. 93964
 DATE: 02/06/24
 EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:

CITY ENGINEER _____ DATE _____
RCE # _____ EXP _____



BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL

PRELIMINARY UTILITY PLAN

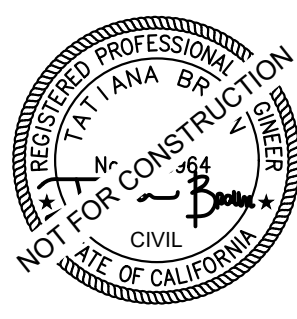
C3.0

Drawing name: K:\ORA\DEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C4.0 - Preliminary DMA Exhibit.dwg C4.0 Preliminary DMA Exhibit Mar 15, 2024 12:57pm by: kociwron
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CITY OF MORGAN HILL
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CITY ENGINEER
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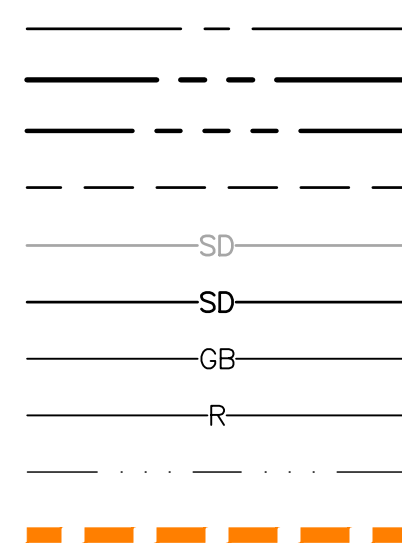


BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY
STORMWATER CONTROL
PLAN**

C4.0

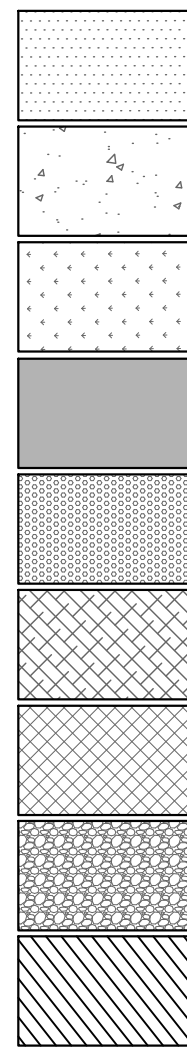
LEGEND



CENTER LINE
PROPERTY LINE
RIGHT-OF-WAY LINE / LEASE LINE
EASEMENT LINE / SETBACK LINE
EXISTING STORM DRAIN LINE
PROPOSED STORM DRAIN LINE
GRADE BREAK LINE
RIDGE LINE
FLOW LINE
DRAINAGE AREA BOUNDARY



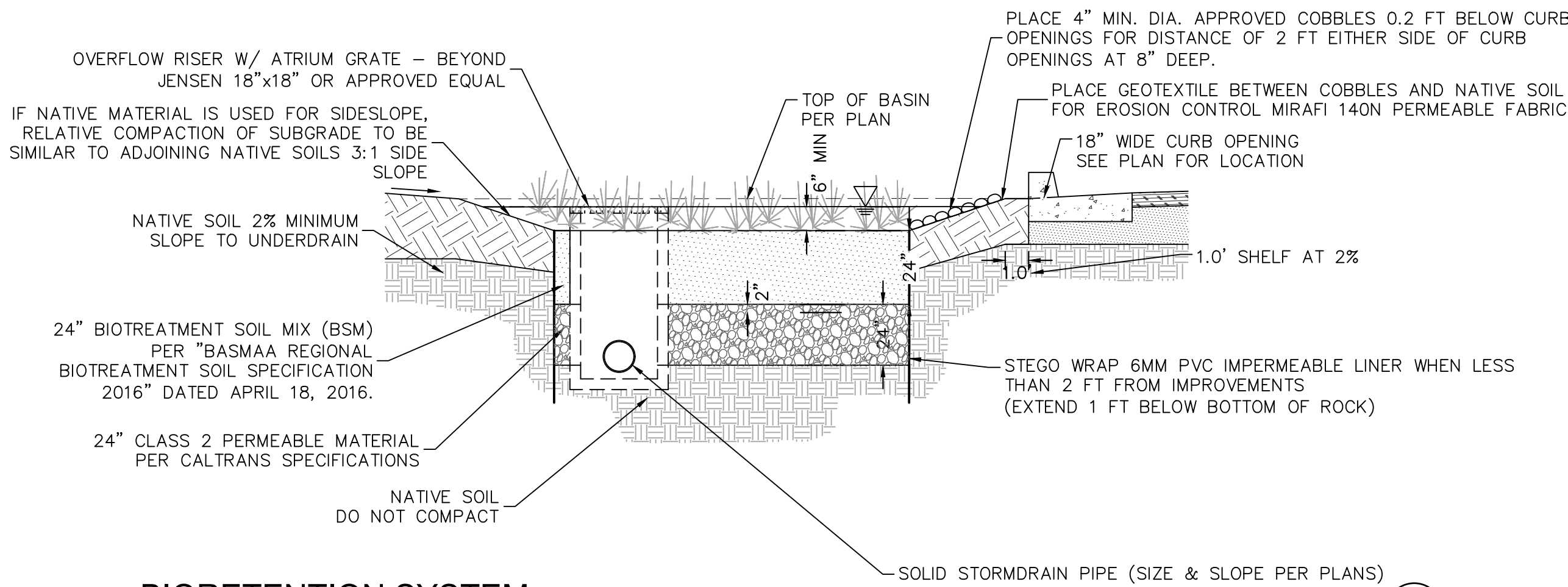
PROPOSED SURFACE FLOW DIRECTION
PROPOSED STORM DRAIN PIPE FLOW DIRECTION
EXISTING SURFACE FLOW DIRECTION



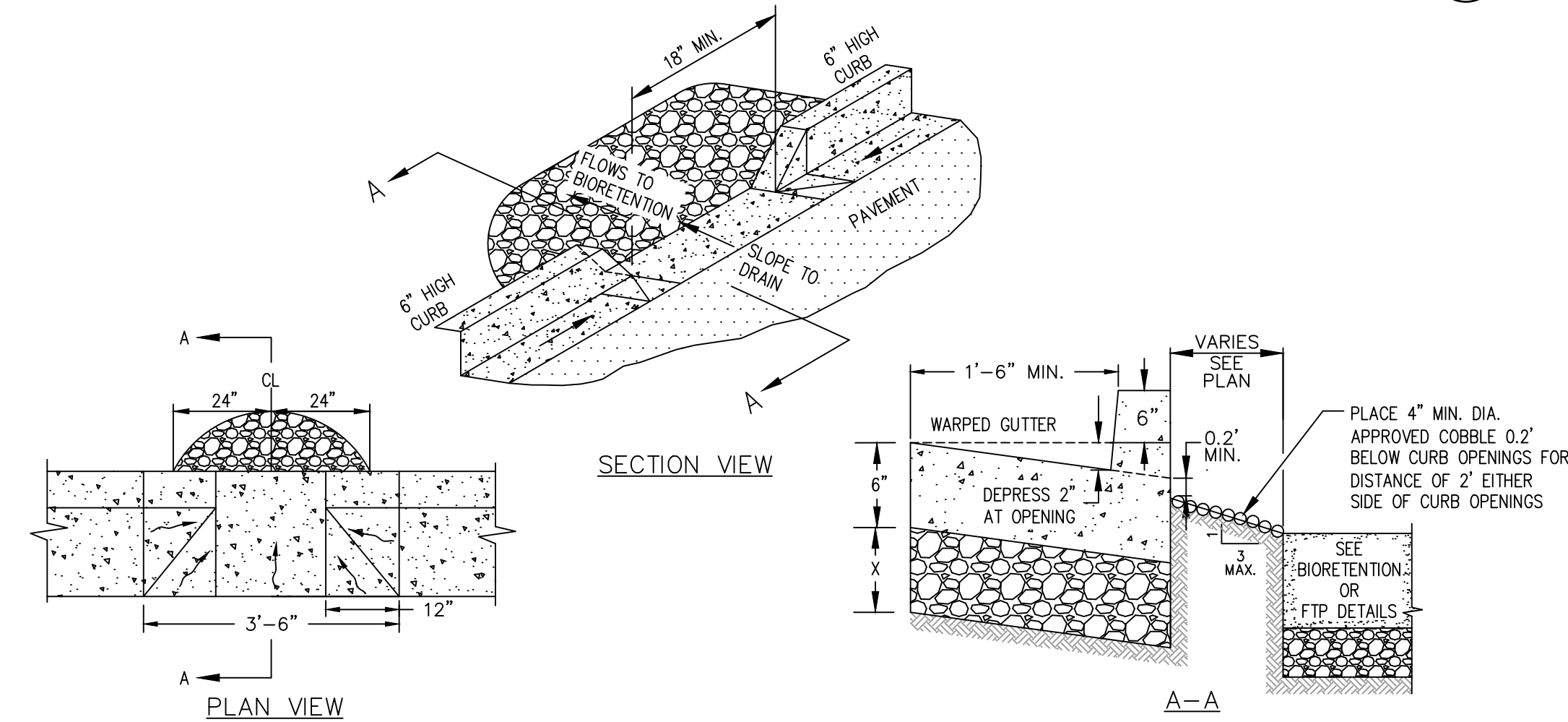
STANDARD DUTY CONCRETE PAVEMENT
HEAVY DUTY CONCRETE PAVEMENT
LANDSCAPE/PLANTER AREA
HEAVY DUTY ASPHALT PAVEMENT
DETECTABLE WARNING SYSTEM
COLORED CONCRETE/ENHANCED PAVING
BIORETENTION BASIN
GRAVEL PAD (RIP RAP)
UNDERGROUND DETENTION SYSTEM

PROPOSED CONDITIONS

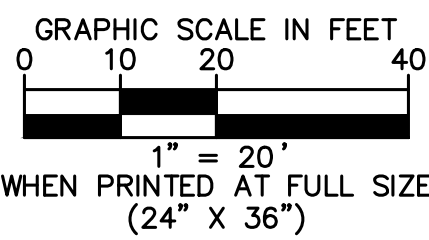
DMA #	TOTAL DRAINAGE AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	BMP PROVIDED	FOOTPRINT REQUIRED BY 4% RULE (SF)	FOOTPRINT PROVIDED BY 4% RULE (SF)
1	22,966	16,156	6,810	BIORETENTION	647	1,159
2	4,150	1,584	2,566	BIORETENTION	64	245
3	6,929	4,180	2,749	BIORETENTION	168	401
4	34,962	26,578	8,384	BIORETENTION	1,064	1,668
5	13,536	3,642	4,015	BIORETENTION	146	758
OFF-1	1,611	386	1,225		16	-
OFF-2	564	0	564		0	-



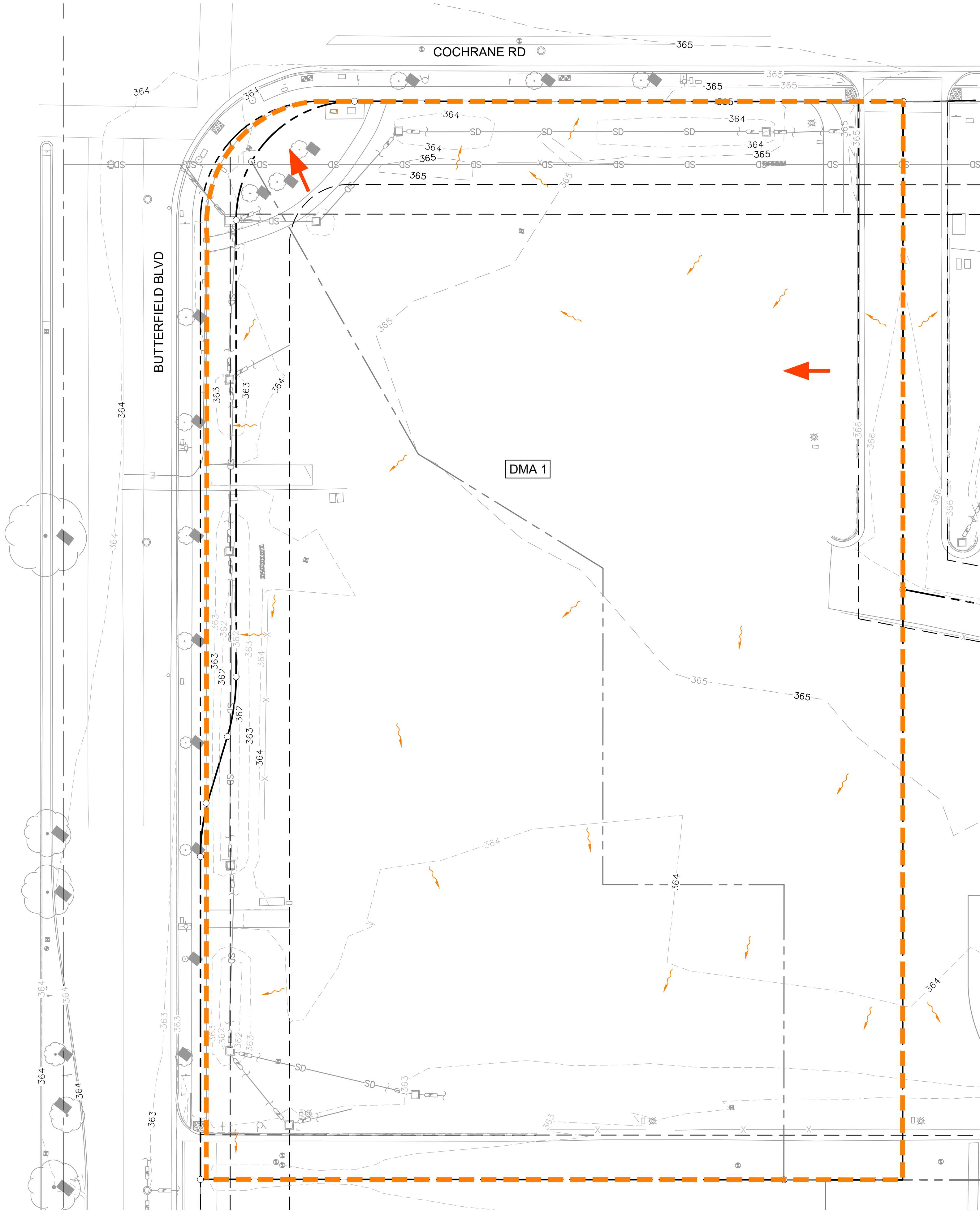
BIORETENTION SYSTEM N.T.S.



CURB OPENING N.T.S.



Drawing name: K:\ORA\DEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 99\CADD\Exhibits\entitlement_package\C5.0 - Preliminary Existing DMA Exhibit.dwg Mar 15, 2024 12:58pm by: kacie.won
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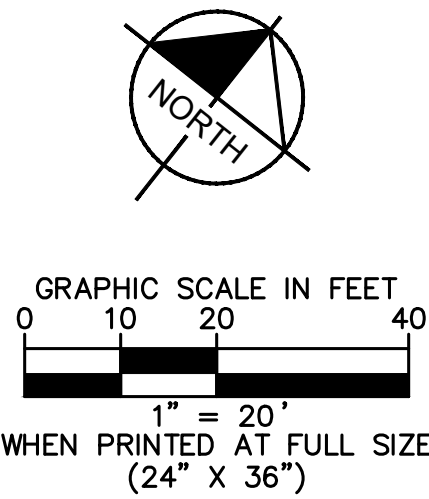


LEGEND

- CENTER LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE / LEASE LINE
- EASEMENT LINE / SETBACK LINE
- EXISTING STORM DRAIN LINE
- DRAINAGE AREA BOUNDARY
- EXISTING SURFACE FLOW DIRECTION
- OVERLAND RELEASE PATH

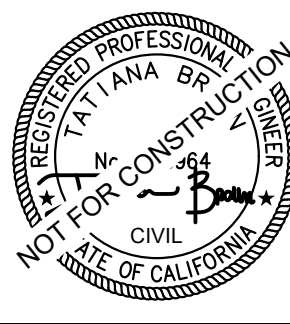
EXISTING CONDITIONS

TOTAL DRAINAGE AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)
75894	0	75894



ISSUE	DATE	DESCRIPTION

SS
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RECOMMENDED



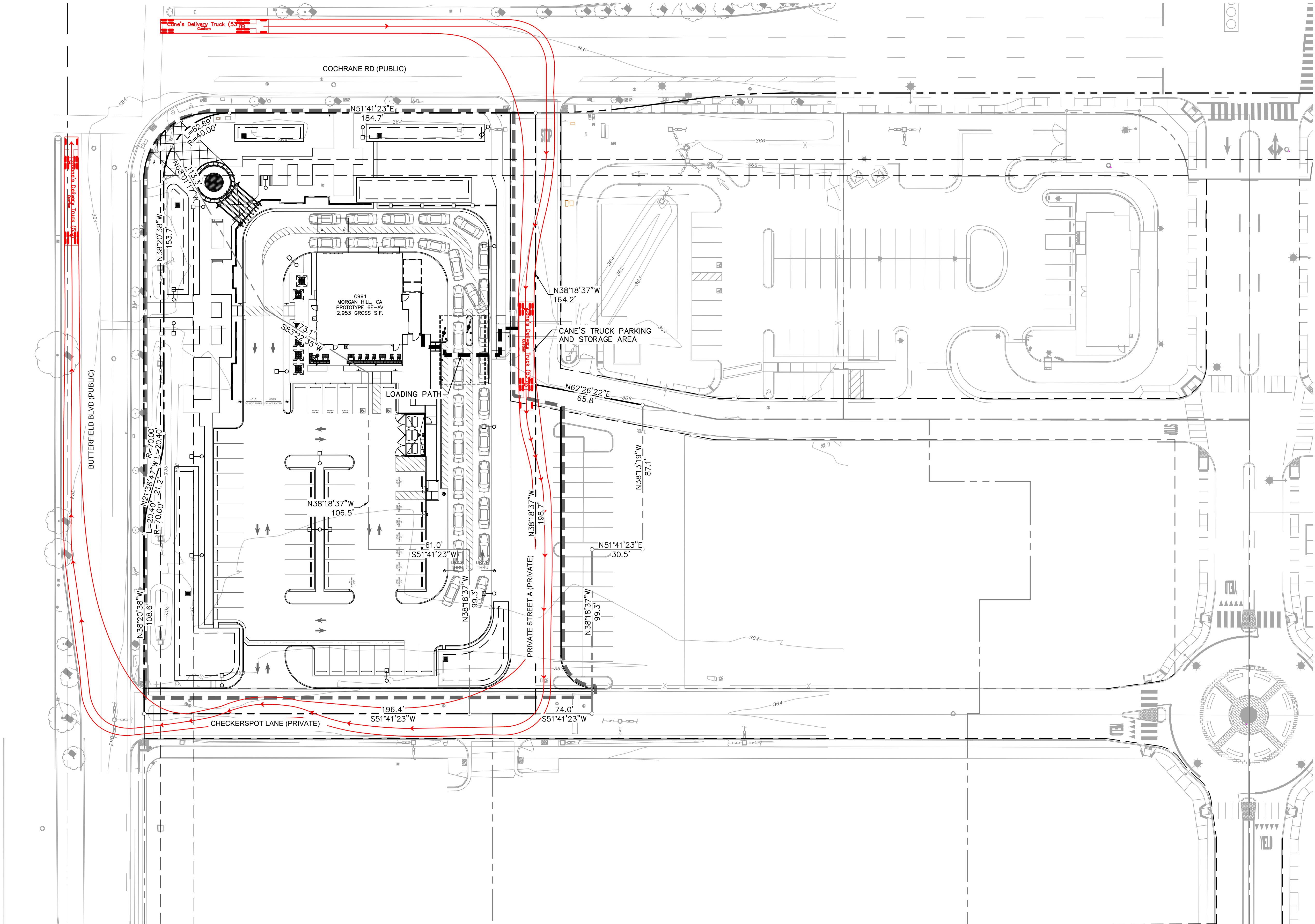
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2121 S EL CAMINO REAL, SUITE 800
SAN MATEO, CA 94403
(650)-263-4915
PREPARED UNDER THE DIRECT SUPERVISION OF:
TATIANA BRAUN, R.C.E. NO. 93964 DATE: 02/06/24 EXP. 09/30/2024

CITY OF MORGAN HILL		
APPROVED BY:		
CITY ENGINEER RCE #	EXP	DATE

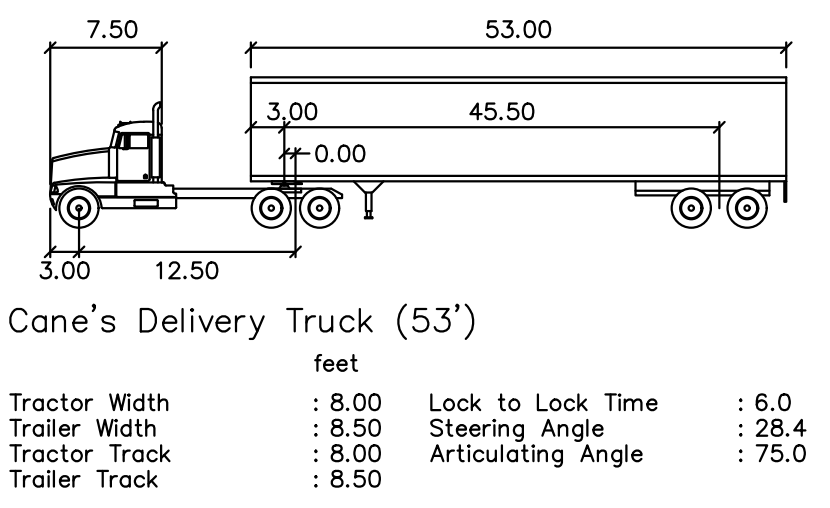
Raising Cane's
BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY DMA
EXHIBIT**

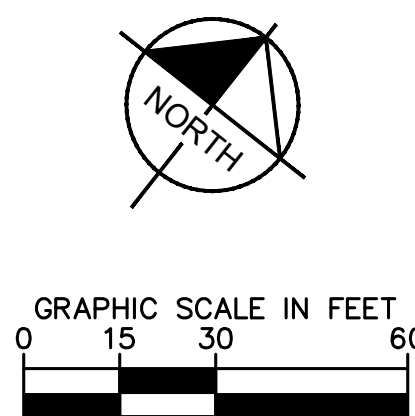
C5.0



LEGEND	
	PROPERTY LINE
	APPROXIMATE CIVIL LIMIT OF WORK LINE
	EASEMENT OR SETBACK LINE



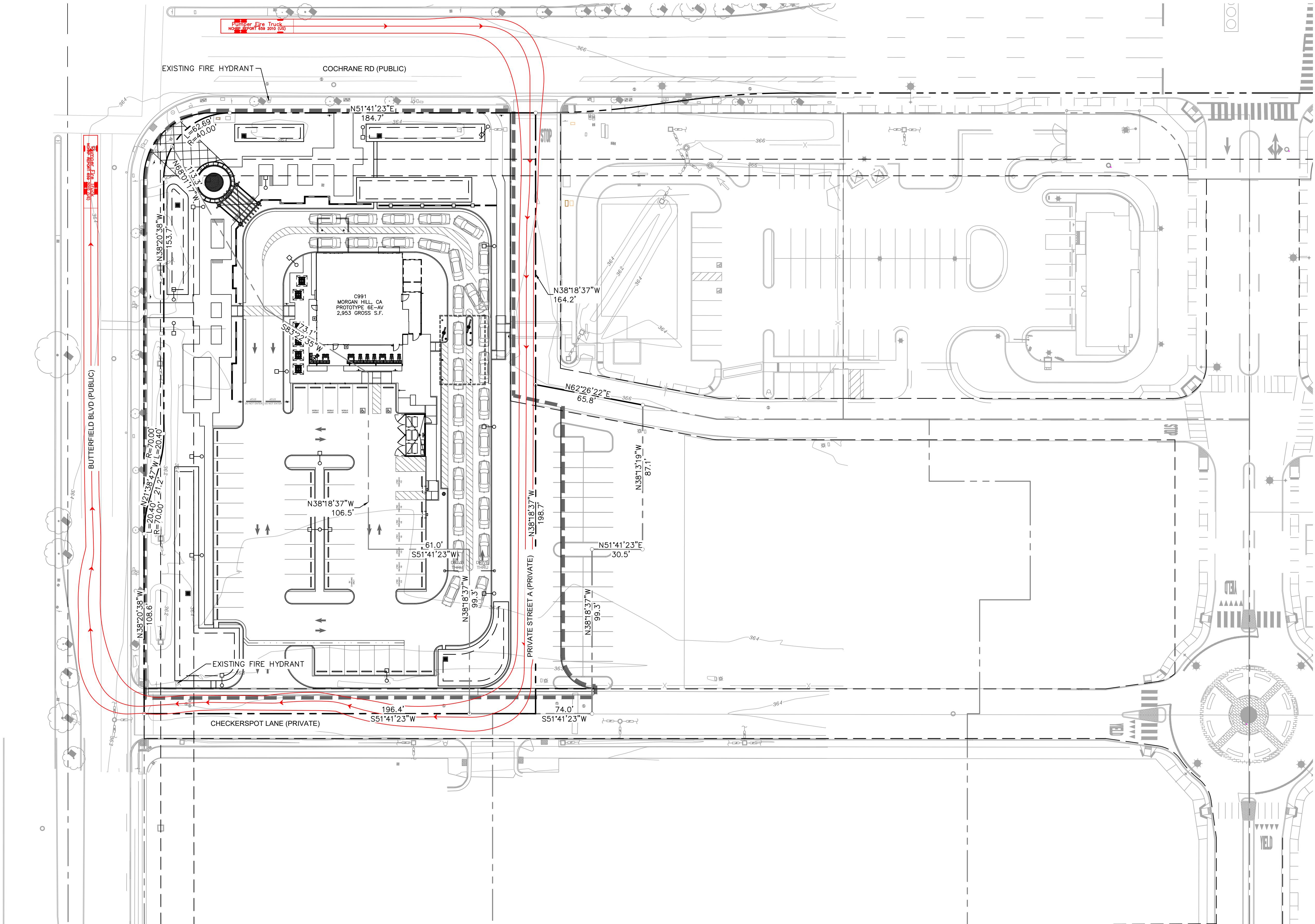
CANE'S 53' DELIVERY TRUCK
NOT TO SCALE



SCALE
1" = 30'
WHEN PRINTED AT FULL SIZE
(24"x36")

 Know what's below. Call before you dig.		<table><tr><th>ISSUE</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	ISSUE	DATE	DESCRIPTION																<table><tr><td>SS</td></tr><tr><td>DRAWN BY TB</td></tr><tr><td>CHECKED BY JP</td></tr><tr><td>RECOMMENDED</td></tr></table>	SS	DRAWN BY TB	CHECKED BY JP	RECOMMENDED	 Kimley»Horn 2121 S EL CAMINO REAL, SUITE 800 SAN MATEO, CA 94403 (650)-263-4915 PREPARED UNDER THE DIRECT SUPERVISION OF: TATTANA BRAUN, R.C.E. NO. 93964 DATE: 02/06/24 EXP. 09/30/2024	CITY OF MORGAN HILL APPROVED BY: _____ CITY ENGINEER RCE # _____ EXP _____ DATE _____	 BUTTERFIELD AND COCHRANE MORGAN HILL, CA 95037	CITY OF MORGAN HILL PRELIMINARY DELIVERY TRUCK TURN EXHIBIT	C6.0
ISSUE	DATE	DESCRIPTION																												
SS																														
DRAWN BY TB																														
CHECKED BY JP																														
RECOMMENDED																														

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C6.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY FIRE TRUCK TURN OPT 1 Mar 15, 2024 12:59pm by: kacile.won
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LEGEND

- PROPERTY LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE
- EASEMENT OR SETBACK LINE

Pumper Fire Truck

Width : 8.50 feet
Track : 8.50
Lock to Lock Time : 6.0
Steering Angle : 37.8

NCHRP REPORT 659 2010 FIRE TRUCK
NOT TO SCALE

44.00
8.00 24.00

GRAPHIC SCALE IN FEET
0 15 30 60

SCALE
1" = 30'
WHEN PRINTED AT FULL SIZE
(24"x36")

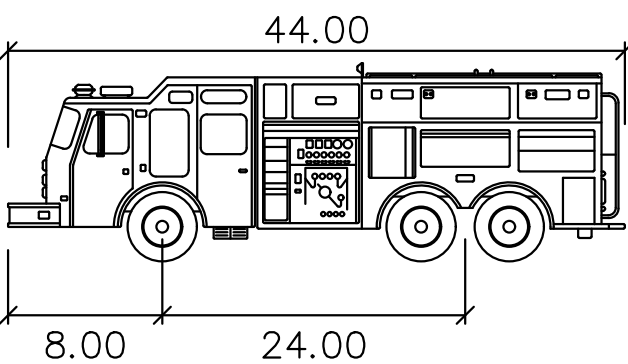
NORTH

 Know what's below. Call before you dig.	ISSUE	DATE	DESCRIPTION	SS		Kimley»Horn 2121 S EL CAMINO REAL, SUITE 800 SAN MATEO, CA 94403 (650)-263-4915 PREPARED UNDER THE DIRECT SUPERVISION OF: <i>Tattana Braun</i> DATE: 02/06/24 TATTANA BRAUN, R.C.E. NO. 93964 EXP. 09/30/2024	CITY OF MORGAN HILL APPROVED BY: _____ CITY ENGINEER RCE # _____ EXP _____ DATE _____	 BUTTERFIELD AND COCHRANE MORGAN HILL, CA 95037	CITY OF MORGAN HILL	PRELIMINARY FIRE TRUCK TURN OPT 1	C6.1
				DRAWN BY TB CHECKED BY JP RECOMMENDED							

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD (Exhibits)\entitlement package\06.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY FIRE TRUCK TURN OPT 2 Mar 15, 2024 12:59pm by: kaciewon
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LEGEND

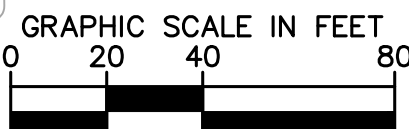
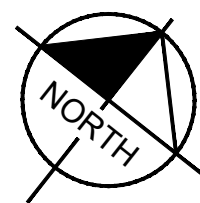
PROPERTY LINE
APPROXIMATE CIVIL LIMIT OF WORK LINE
EASEMENT OR SETBACK LINE



Pumper Fire Truck

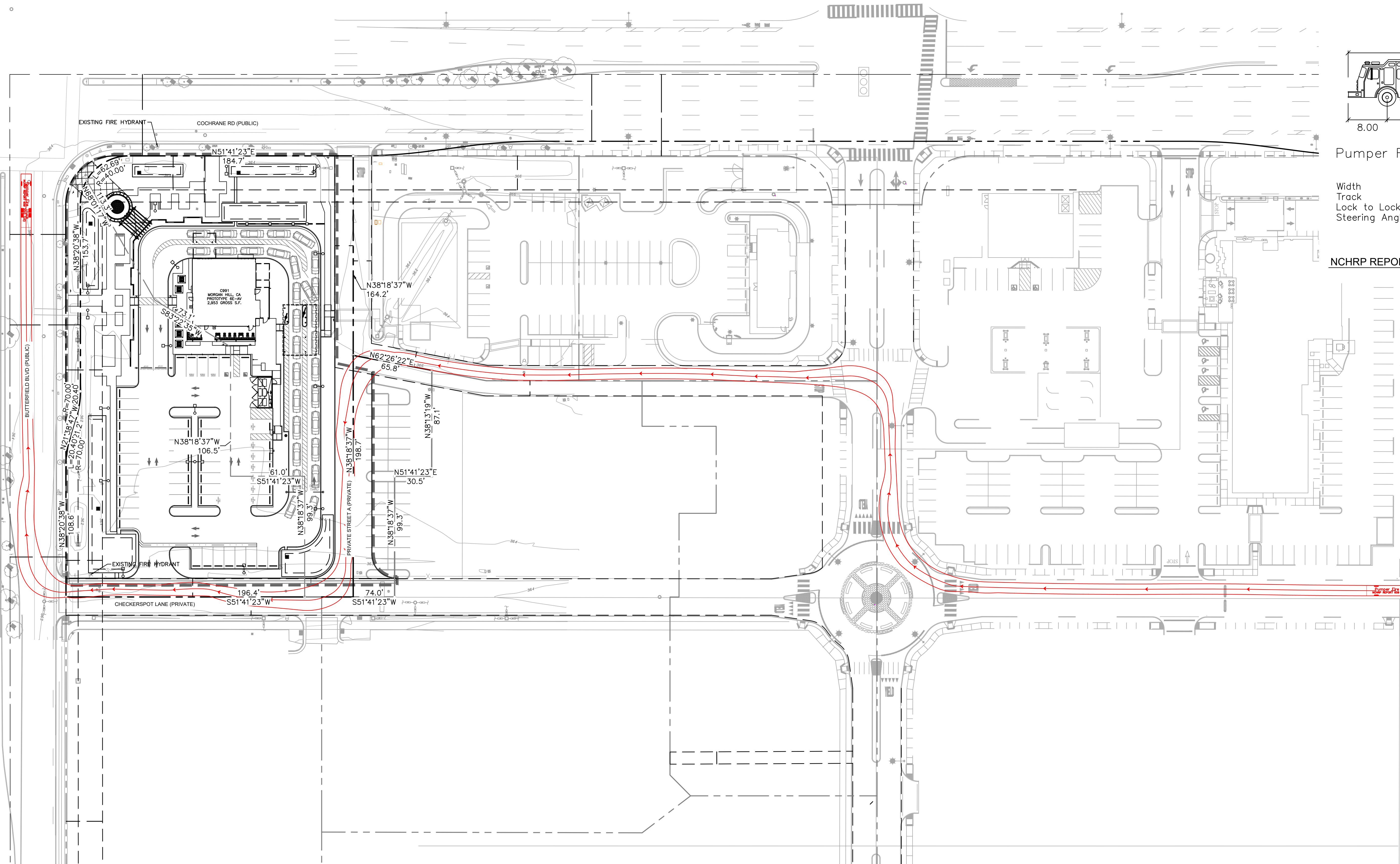
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Track : 8.50
Lock to Lock Time : 6.0
Steering Angle : 37.8

NCHRP REPORT 659 2010 FIRE TRUCK
NOT TO SCALE



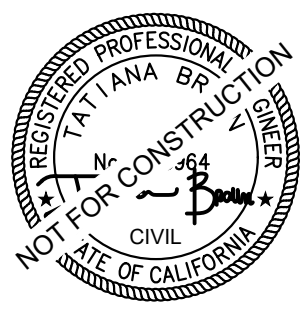
SCALE

1" = 40'
WHEN PRINTED AT FULL SIZE
(24"X36")



ISSUE	DATE	DESCRIPTION

SS
DRAWN BY
TB
CHECKED BY
JP
RECOMMENDED



Kimley»Horn

2121 S EL CAMINO REAL, SUITE 800
SAN MATEO, CA 94403
(650)-263-4915
PREPARED UNDER THE DIRECT SUPERVISION OF:
Tattana Braun
TATTANA BRAUN, R.C.E. NO. 93964 DATE: 02/06/24
EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:
CITY ENGINEER
RCE # _____ EXP _____ DATE _____

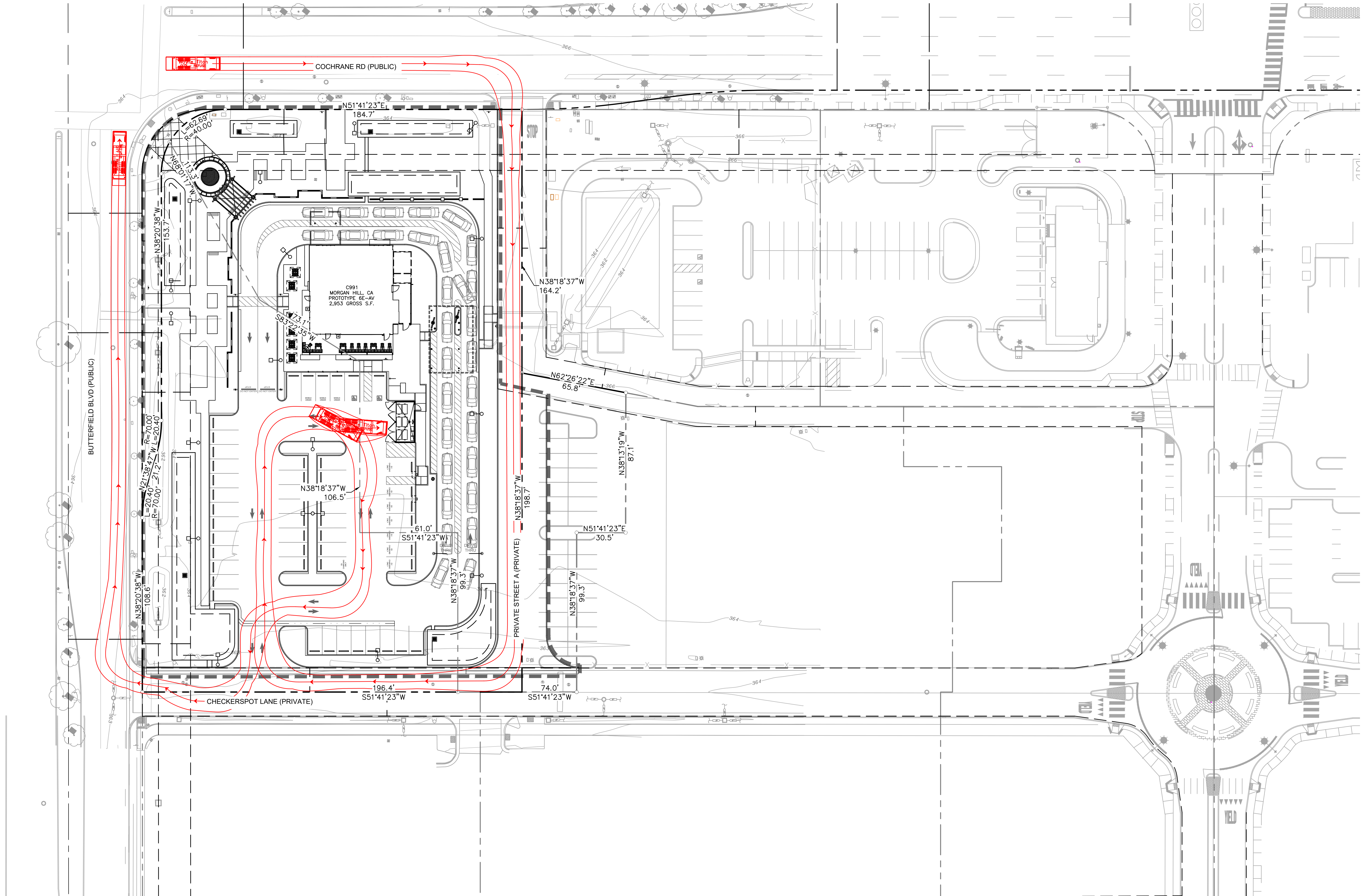


BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY FIRE
TRUCK TURN OPT 2**

C6.2

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\06.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY TRASH TRUCK TURN Mar 15, 2024 12:59pm by: kacie.won
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LEGEND

- PROPERTY LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE
- EASEMENT OR SETBACK LINE

Wayne Titan

feet

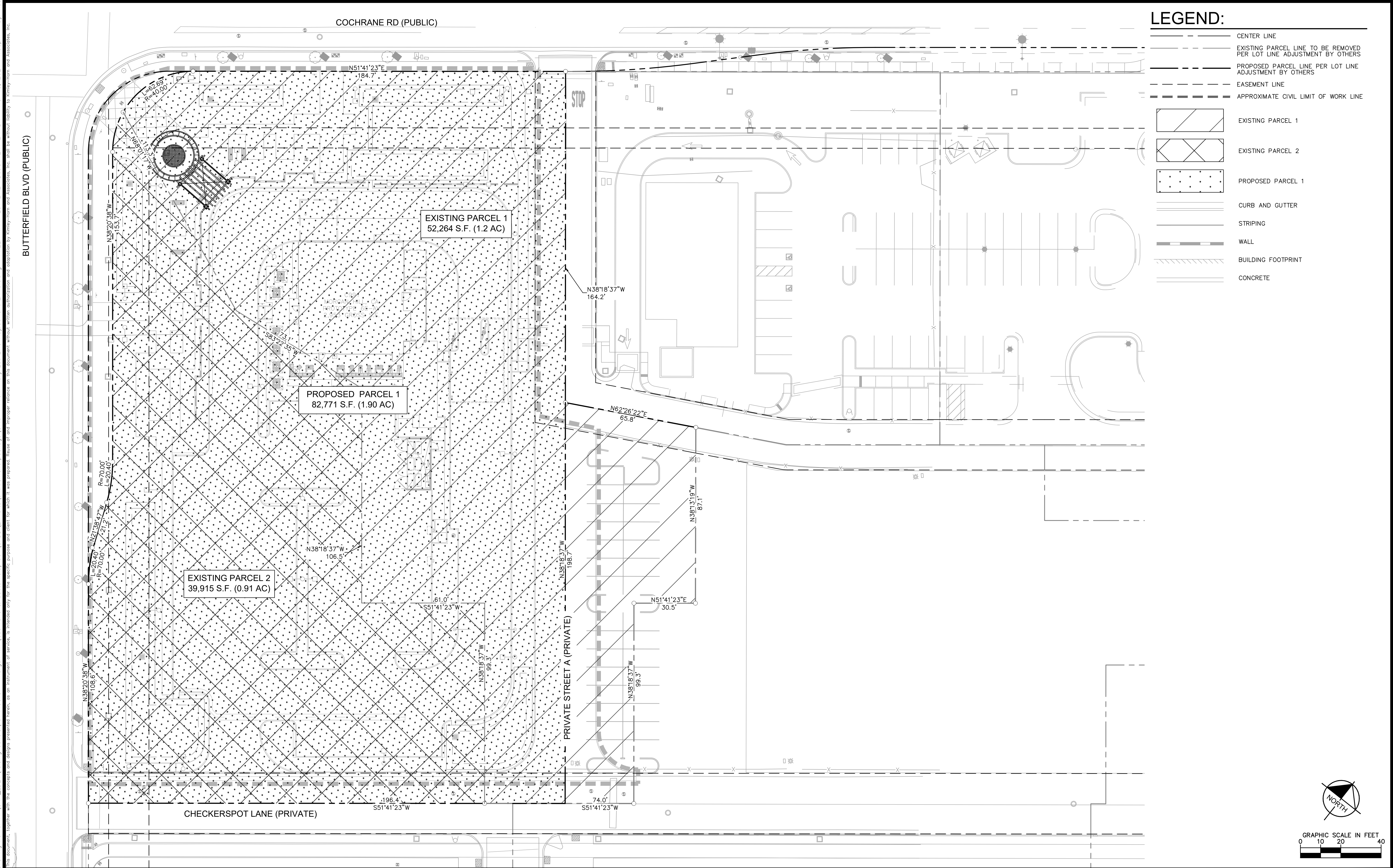
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Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 45.0

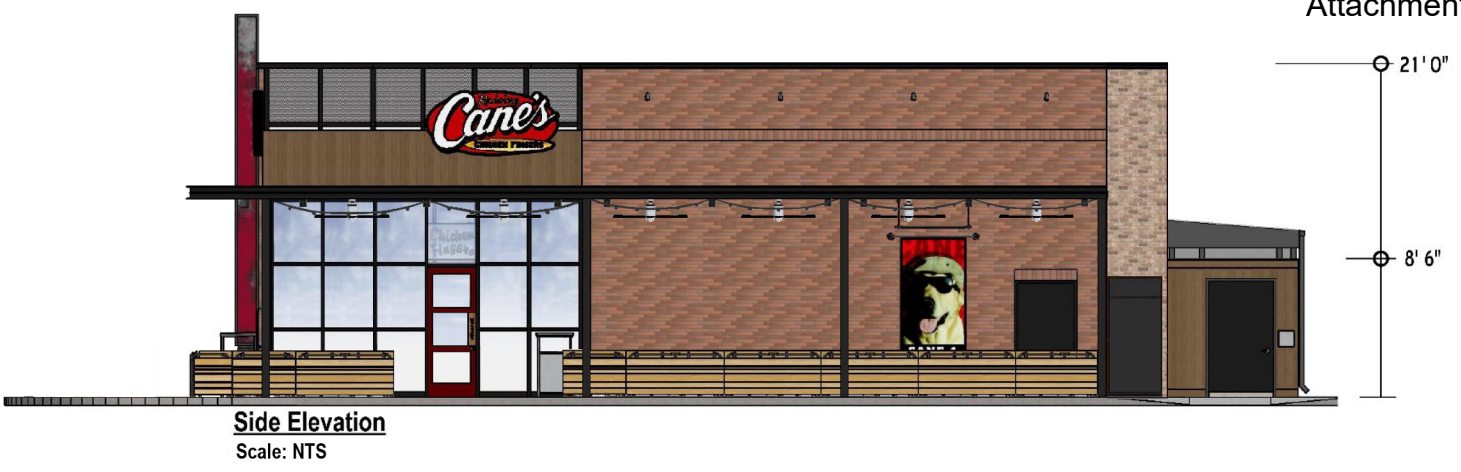
TRASH TRUCK
NOT TO SCALE

NORTH

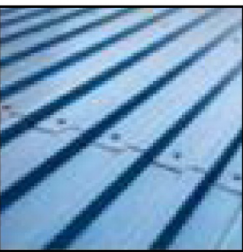
GRAPHIC SCALE IN FEET
0 15 30 60

SCALE
1" = 30'
WHEN PRINTED AT FULL SIZE
(24"x36")

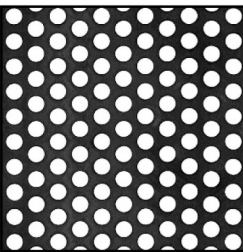




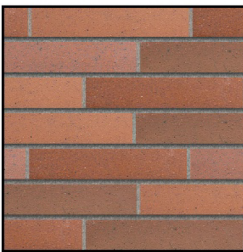
MATERIAL FINISHES



Metal R-Panel
Berridge - Clear Acrylic
Coated Galvalume



McNICHOLS Perforated
Metal Panel
Powder Coat: Black



Belden Norman Standard
Brick, Medium Range,
Smooth Iron spot, mortar
to match Solomon Colors,
Inc 10H Light Buff sack
rub finish



Boral: "Alamo" queen
brick, mortar to match
Solomon Colors, Inc 10H
Light Buff sack rub finish



Architectural Panels
Nichiha: Vintage Cedar
Wood Look Material



Trex Composite Board
Havana Gold



Metal Panel 1

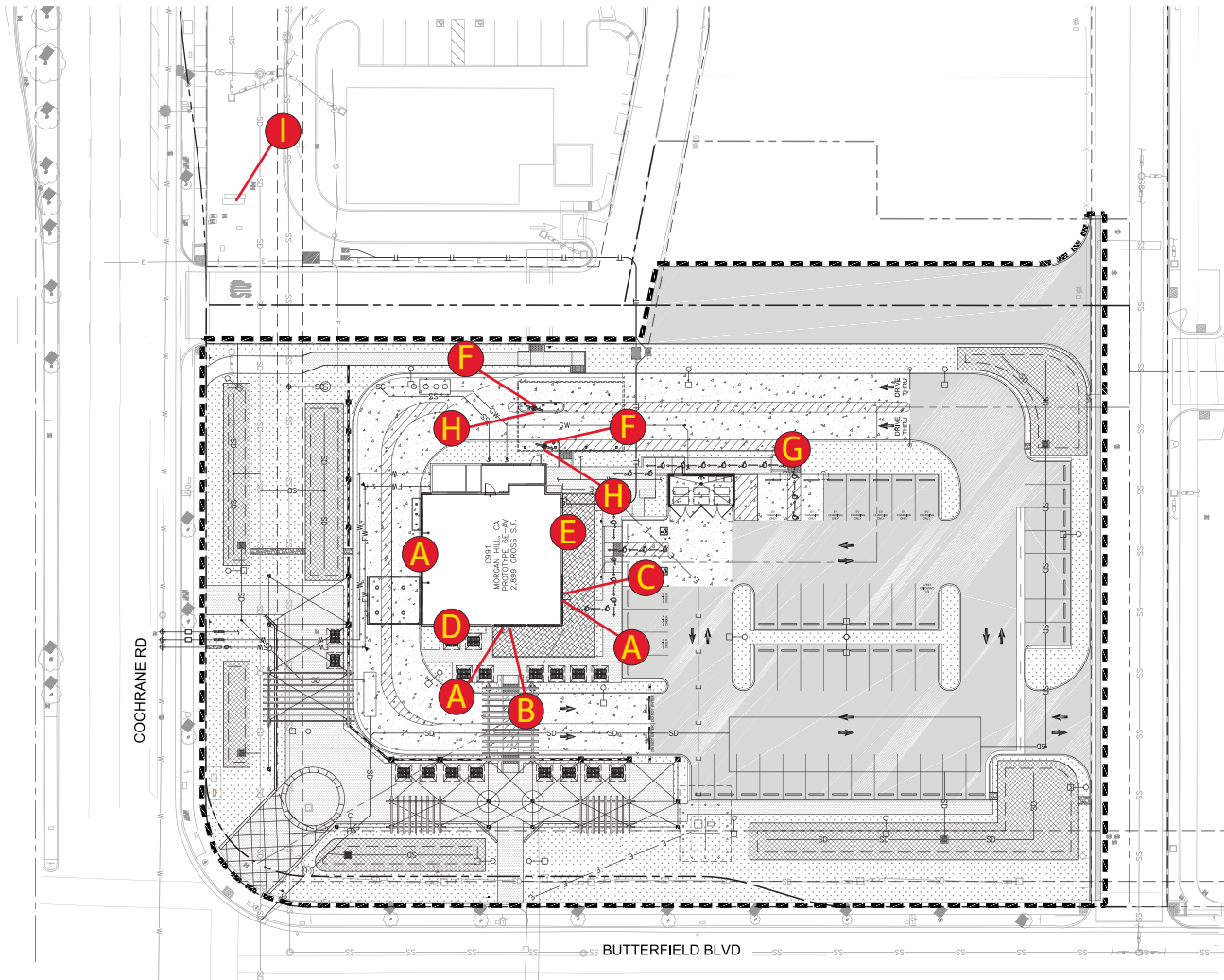
BRAND BOOK



Approx. 18590 Skipper Ln/RC0991
Morgan Hills, CA 95037
01/30/2024

DRAWING REVISIONS	
DATE	CHANGE
1/30/24	Updated siteplan & moved tenant panel location

SITEMAP



QTY.	CODE	DESCRIPTION
A	3	WS-8FT 4x8 Wall Sign
B	1	ONS Open Sign
C	1	CFNS Chicken Fingers Neon Sign
D	1	OLH One Love Heart
E	1	RD-1 Red Dog
F	2	DTMB DT Menuboard
G	1	DTPS Pre Sell Board
H	2	DTSP Speaker Post
I	1	MTM Multi-Tenant Monument

Within Evergreen Village PUD		YES	NO
Multi tenant on site			
Wall signs allowed 1 sign & logo per elevations NTE 3 elevations at 1.5 SF/ LF of building frontage. NTE 150 SF total. Must be channel letter design.		☒	☐
Window signs NTE 25% of total window area must have approval by property owner		☐	☒
Painting directly on wall is prohibited.		☐	☒
Artwork is allowed if it doesnt include any advertising and will not count towards sign SF		☐	☒
Cove lighting & Drive thru not regulated per code, subject to review.		☒	☐



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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Code Check Form

☐ Stand Alone☐ Multi-TenantCustomer Name : Raising Canes Parcel #: _____Zoning: PUD- refer to City code if PUD is silentProject Name : Raising Cane's 991 Morgan Hill CA (Cochrane & Butterfield)Re-zoning Required/Recommended: Yes ☐ No ☐Address: Approx. 18590 Skipper LnJurisdiction: City of Morgan HillCity: Morgan Hills State: CA Zip: 95037Contact Name: Rich BuikemaDev.name: Evergreen Village Within PUD or CUP: Yes ☐ No ☐Phone: 408-778-6480Master Sign Program (MSP) or Development Criteria: Yes ☐ No ☐E-Mail: Rich.Buikema@morganhill.ca.gov

Ground Signs- Pylon (Pole) & Monument

☐ - N/AAre ground signs allowed? Yes ☐ No ☐ If No, Tenant ☐ Pylon/Pole ☐ Monument ☐ Minimum frontage to qualify: _____

Number of signs allowed: _____ Distance to adjacent ground sign on same lot: _____ Surrounding Lot: _____

Maximum SF Allowed: _____ Formula for area calculation: _____ Wind Load: _____

Minimum setback: _____ Maximum Overall Height: _____ Visibility Triangle: _____

Berm Allowed? Yes ☐ No ☐ How is height measured? _____

Required base covering: _____ How many faces count toward sign area? _____

Illumination/ Lighting Restrictions: _____

Design restrictions for sign: _____

EMC - Can there be animation? Yes ☐ No ☐ Does it have to be static? Yes ☐ No ☐ Can price be displayed? Yes ☐ No ☐Color restrictions: Prohibited

Rate of change restrictions: _____

EMC SF restrictions: _____

Placement or residential restrictions: _____

Notes:

Wall Signs

☐ - N/ANumber of signs allowed: 1 sign and 1 logo/elevation, max. 3 elevations SF based on: Street Frontage ☐ Building Frontage ☐ % of wall area ☐Aggregate building SF allowed: min.50 SF, max 150 SF Maximum Projection: 6" Lighting Restrictions: internal with neon or LED fixtures- UL approvedMaximum SF allowed per sign: N/A Formula for area calculation: 1.5 SF / LF of frontage per elevationMaximum mounting height: 80% of sign band or frontage less Max. Letter Height: 80% of sign band or frontage less Max Logo Height: N/A Max. Sign Width: 80% of sign band or frontage lessCan sign project above the roof line? Yes ☐ No ☐ If yes, how much? _____Does this elevation require street frontage? Yes ☐ No ☐ Is area transferable to another elevation? Yes ☐ No ☐How is sign measured? ☐ Box ☐ Geo Shape ☐ Other: _____Design restrictions? ☐ Raceway allowed no exposed racewaysNotes: -Per PUD: Pan Channel internally illuminated signs required. Approval of signage will be at the discretion of the property owner.
-Signs must be centered on store front

Drive - Through's/ Address

☐ - N/AMenu boards allowed? Yes ☐ No ☐ Quantity allowed? _____ Size restriction? _____ Height restriction? _____Are Pre-sell boards allowed? Yes ☐ No ☐ Size restriction? _____ Height restriction? _____Are SED's required? Yes ☐ No ☐ Are menu awnings/ drive-thru canopy allowed? Yes ☐ No ☐Address Number required? Yes ☐ No ☐ SF: 4" in height Illuminated? Yes ☐ No ☐ Restrictions? on building, white vinyl

Notes:

Location: Morgan Hill, CADate: 10/07/2022Site ID: RC0991AGI PM: Kristin McCroan

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Specialized Signs

☐ - N/A

Painted Commercial mural allowed on walls? Yes ☐ No ☐ If no, allowed painted on substrate? Yes ☐ No ☐ If no, digital print? Yes ☐ No ☐

Quantity allowed? _____ Size restriction? Subject to review Count towards signs sq. ft.? Yes ☐ No ☐

Graphics without branding/ Pin-Mounted Art allowed on walls? Yes ☐ No ☐ Can it be painted? Yes ☐ No ☐ Count towards signs sq.ft.? Yes ☐ No ☐

Quantity allowed? _____ Size restriction? Subject to review

Permanent banners allowed? Yes ☐ No ☐ If no, allowed flat sign on substrate? Yes ☐ No ☐ Does copy count in SF? Yes ☐ No ☐

Quantity allowed? _____ Size restriction? Subject to review Does it require a frame? Yes ☐ No ☐

Can Commercial flags be attached to building parapet? Yes ☐ No ☐ Restrictions on Qty. size/height/projection on roof? Must be on pole

Interior illuminated window signs (Neon) allowed? Yes ☐ No ☐ If no, are LED signs allowed? Yes ☐ No ☐ Restrictions? See notes

Is shield white LED lighting allowed around the building parapet / roof? Yes ☐ No ☐ Restrictions? Not regulated per code

Notes:
 -Murals and decorations on the exterior of a building that advertise a product, business, or service. are prohibited, if no advertising on art work it will not count as a sign
 -Exposed bulbs not permitted, cove lighting not in code subject to review.
 - Window signs regulated within 2' of the glass, NTE 25% of total window area.
 - Per PUD window signs must have written approval by property owner

Directionals/ Regulatory

Are directionals allowed? Yes ☐ No ☐ Are permits required? Yes ☐ No ☐

Notes: -Exempt from permits.

Number of signs allowed? N/A

Maximum SF allowed: 5 SF Maximum overall height: 5ft

Directionals count towards allowed SF: Yes ☐ No ☐ Are interior lot directionals restricted? Yes ☐ No ☐ Name/ Logos allowed? Yes ☐ No ☐

Temporary Signage

	Yes ☐	No ☐	Setback:	SF:	Height:	Permit Required?	Time Allowed:
Banner:			<u>1/property</u>	<u>32 SF</u>	<u>8ft</u>	☐	_____
Feather Sign:			_____	_____	_____	☐	_____
Inflatable:			_____	_____	_____	☐	_____
Vehicle:			_____	_____	_____	☐	_____
Flag (Non-commercial)			_____	_____	_____	☐	_____
Ground Yard Sign (Commercial):			<u>1/property</u>	<u>32sf</u>	<u>8ft</u>	☐	_____
String Lights:			Restrictions: _____			☐	_____

Notes:
 Total sqft for all temp signs: 1sf/1lf of property frontage. LL approval required
 Timeframe depends on sign construction: Paper or cardboard: 3 days, laminated paper, plastic lined polyurethane bags and comparable materials: 30 days, Wood, corrugated plastic , metal or vinyl sign face: 3 months



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan



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Construction Sign

Max # allowed?: 1/frontage 2 max Max Height?: 8ft for sign face 12ft total Timeframe allowed? depend on materials, see below
 Max SF: 32sf/sign, 64sf for property Setbacks?: 5ft from property line Logo/Copy Restrictions? N/A
 Indirect Illumination Allowed? non illuminated only
 Preferred mounting method (no building yet): N/A-LL approval required
 Other restrictions? Vinyl Sign Face: 1 month, Corrugated Plastic Sign face: 6 months, Wood or metal: 1 year

Construction Fence Wrap

Are fence wraps allowed: Yes ☐ No ☐ Max SF: _____ Timeframe allowed? _____
 Max Height: _____ Logo/Copy Restrictions? _____
 Other restrictions? counts as construction sign



Construction Banner



Construction Fence Wrap

Now Hiring Banner(s)

Max # allowed?: 1 Max Height: 8ft Time frame allowed? see below
 Max SF: 32sf Setbacks?: none Logo/Copy Restrictions?: N/A
 Preferred mounting method: LL approval required Indirect Illumination Allowed? no
 Other restrictions?: Timeframe depends on sign construction: Paper or cardboard: 3 days, laminated paper, plastic lined polyurethane bags and comparable materials: 30 days, Wood, corrugated plastic, metal or vinyl sign face: 3 months



Now Hiring Banner



Now Hiring Banner

Notes: Contractor must have workmans comp and public liability insurance
 If submit in person, must submit digital copies, they do not accept paper.



Location: Morgan Hill, CA

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Permit Requirements

Permits can be applied for by: Mail ☐ Authorized Agent ☐ In Person ☐ Online ☐ Review Board: Yes ☐ No ☐

License Required: Business ☐ Contractors ☐ Contact: Rich & Building Department

Signature Required on Application: Owner ☐ Agent ☐ Designer ☐ Phone Number: 408-778-6480

Documents Required (Sign): Site Plan ☐ Elevations ☐ Sign Details ☐ Sealed Engineering ☐ Additional Professional Seals ☐

Number of Document Copies: 1 1 1 footings

Documents Required (Banner): Site Plan ☐ Banner Details ☐ Number of Document Copies (Banner): _____

Document Size: _____ ☐ In Color? Cost of Permit (Sign): Plan Review- based on cost Cost of Permit (Banner): _____

Length of time to secure permit: 3 weeks Other permit costs / fees: building based on cost

When does the time frame permitted start (Banner)? From time of permit approval ☐ Time the banner is placed ☐ Other ☐ _____

Current IBC used by municipality : 2018 Any code to reference: Building code ☐ Electrical Code ☐ Energy code ☐

If electrical permit is required for ONLY the hook up of the sign, is a licensed electrician required to come in person? Yes ☐ No ☐

Are permits required to be obtained in person? If not, what is the process: email application to Rich or planning@morganhill.ca.gov

How long are permits good for: 6 months

Notes:

Per MSP must submit 2 sets of plans to property owner for approval. Stamped approved set submitted to city for approval.
Contractor must have workmans comp and public liability insurance
If submit in person, must submit digital copies, they do not accept paper.

Variance Procedures

Are variances allowed? Yes ☐ No ☐ Likelihood of a variance being approved: _____ % Approved: _____ # Approved last year: _____

Variance can be applied for by: Mail ☐ Authorized Agent ☐ Business ☐ Contractors ☐

Signature required on application: Owner ☐ Agent ☐ Lawyer ☐ Must attend variance hearing: Owner ☐ Agent ☐ Lawyer ☐

Documents required: Site Plan ☐ Elevations ☐ Sign Details ☐ Sealed Engineering ☐ Addit. Professional Seals ☐ Document Color : Color ☐ B/W ☐

Quantity Required: _____ Document size: _____

Length of time to secure variance: _____ Cost of variance: _____

Can variances be granted during the site plan approval process? Yes ☐ No ☐

If yes, what board & is it different from the standard variance process? _____

Notes:

N/A- Amendment to MSP required for sign included in MSP.



Location: Morgan Hill, CA

Date: 10/07/2022

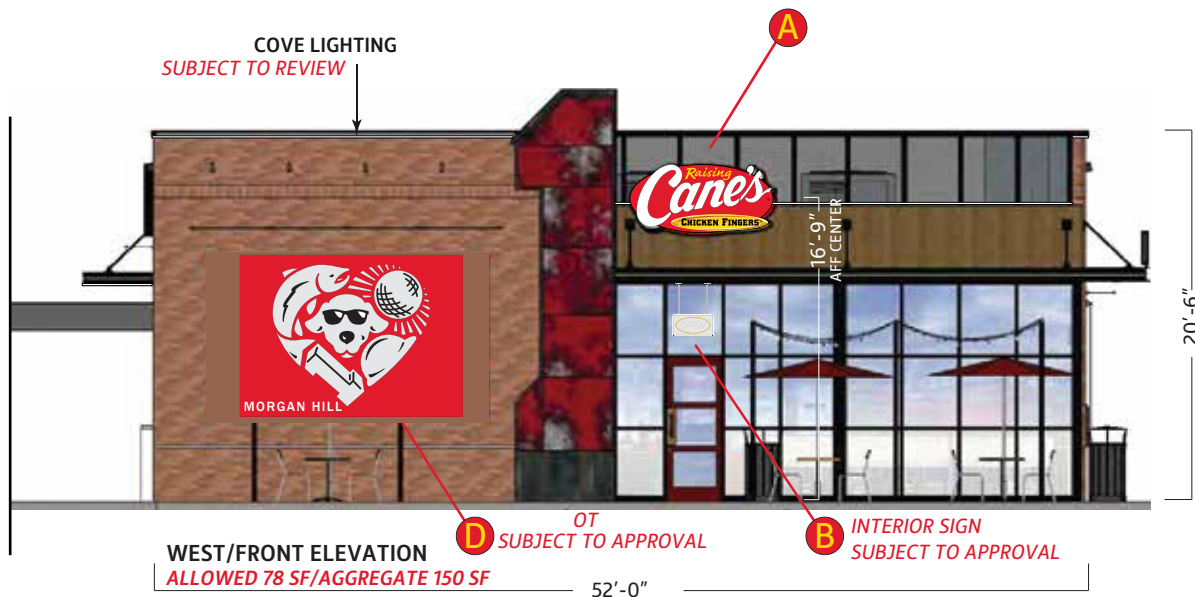
Site ID: RC0991

AGI PM: Kristin McCroan

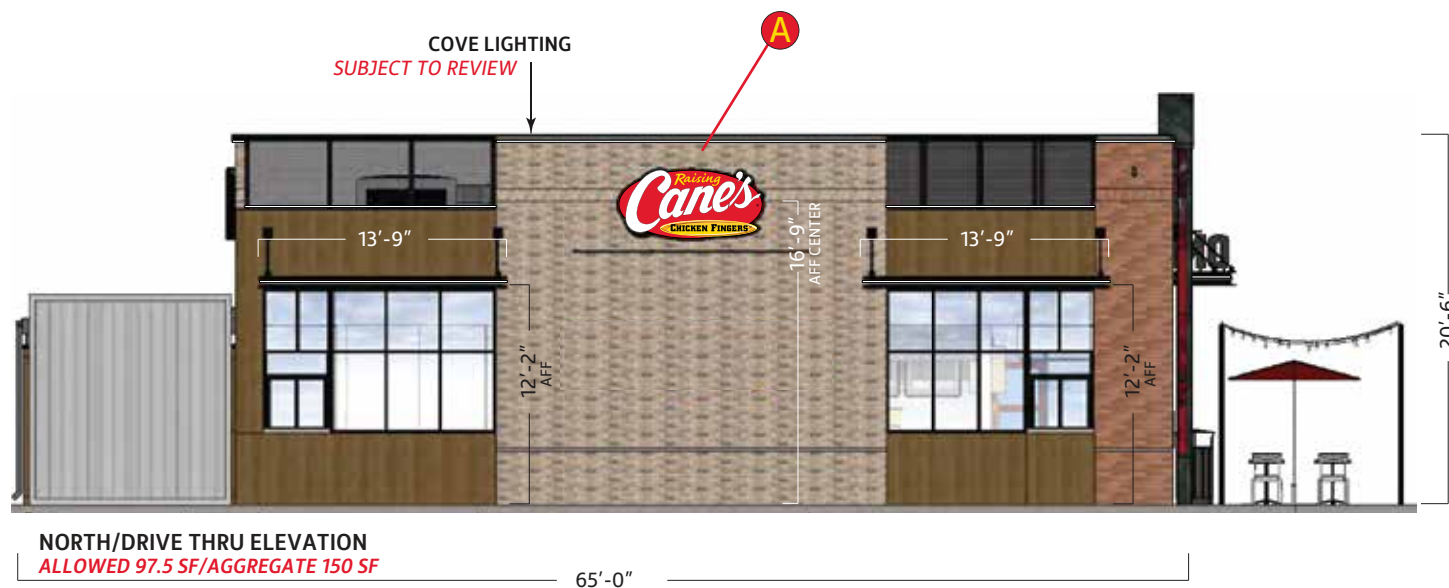


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ELEVATIONS



	QTY.	CODE	DESCRIPTION
A	3	WS-8FT	4x8 Wall Sign
B	1	ONS	Open Sign
C	1	CFNS	Chicken Fingers Neon Sign
D	1	OLH	One Love Heart
E	1	RD-1	Red Dog
F	2	DTMB	DT Menuboard
G	1	DTPS	Pre Sell Board
H	2	DTSP	Speaker Post
I	1	MTM	Multi-Tenant Monument



Scale: 3/32"=1'



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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PAGE 7

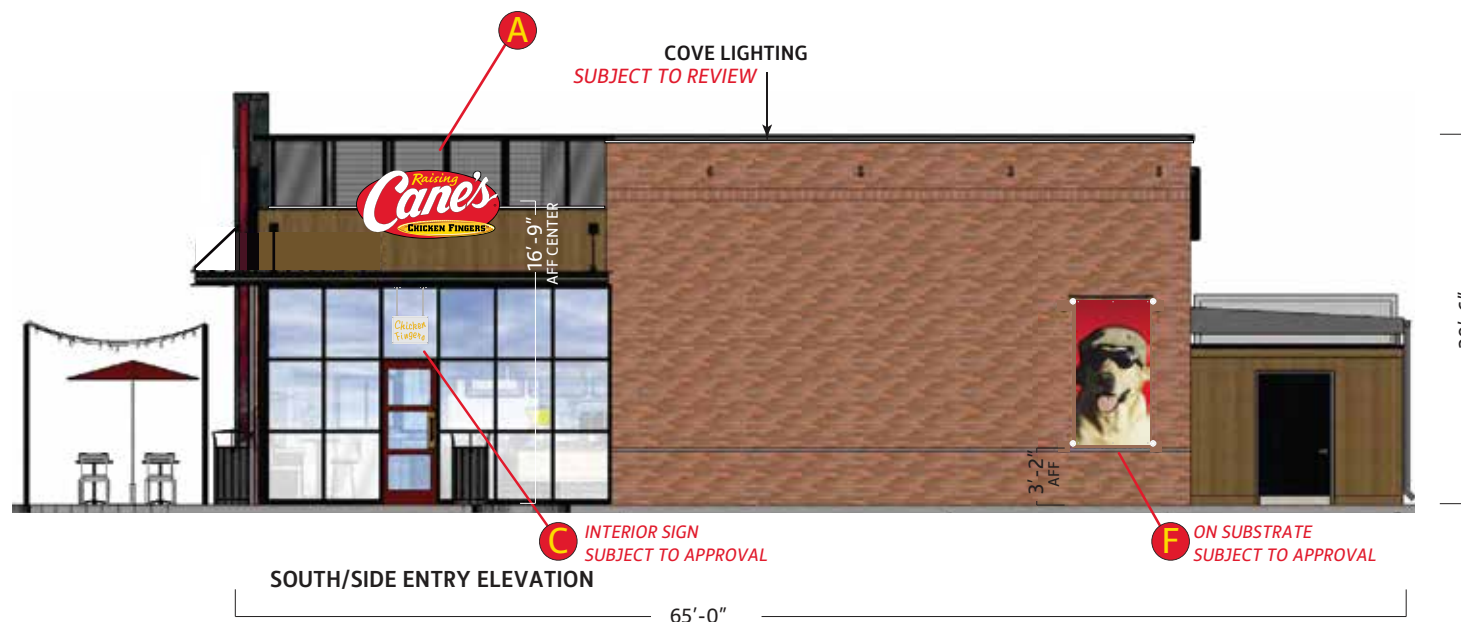


Page 89 of 1374

ELEVATIONS



	QTY.	CODE	DESCRIPTION
A	3	WS-8FT	4x8 Wall Sign
B	1	ONS	Open Sign
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I	1	MTM	Multi-Tenant Monument



Scale: 3/32"=1'



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

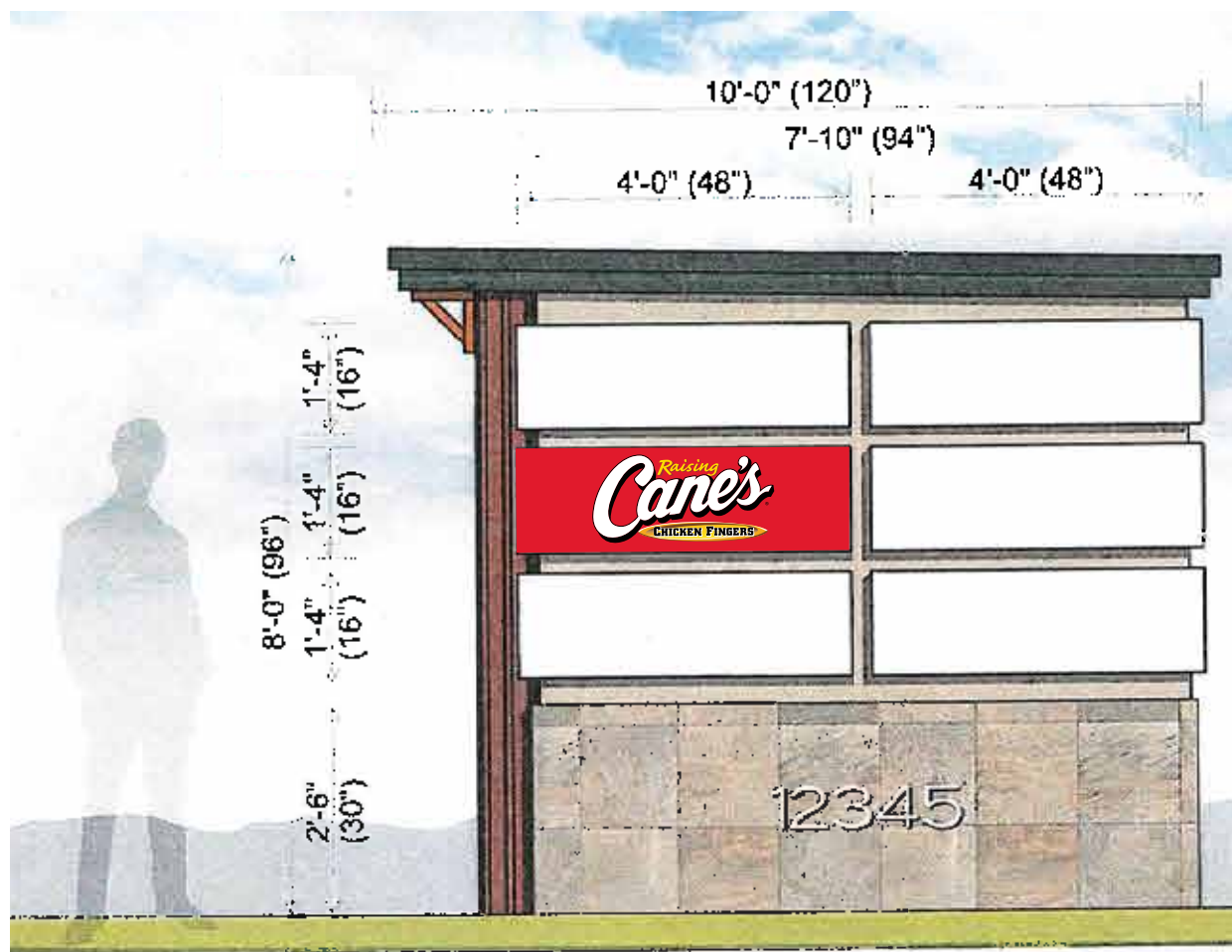
AGI PM: Kristin McCroan

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PAGE 8



Page 90 of 1374



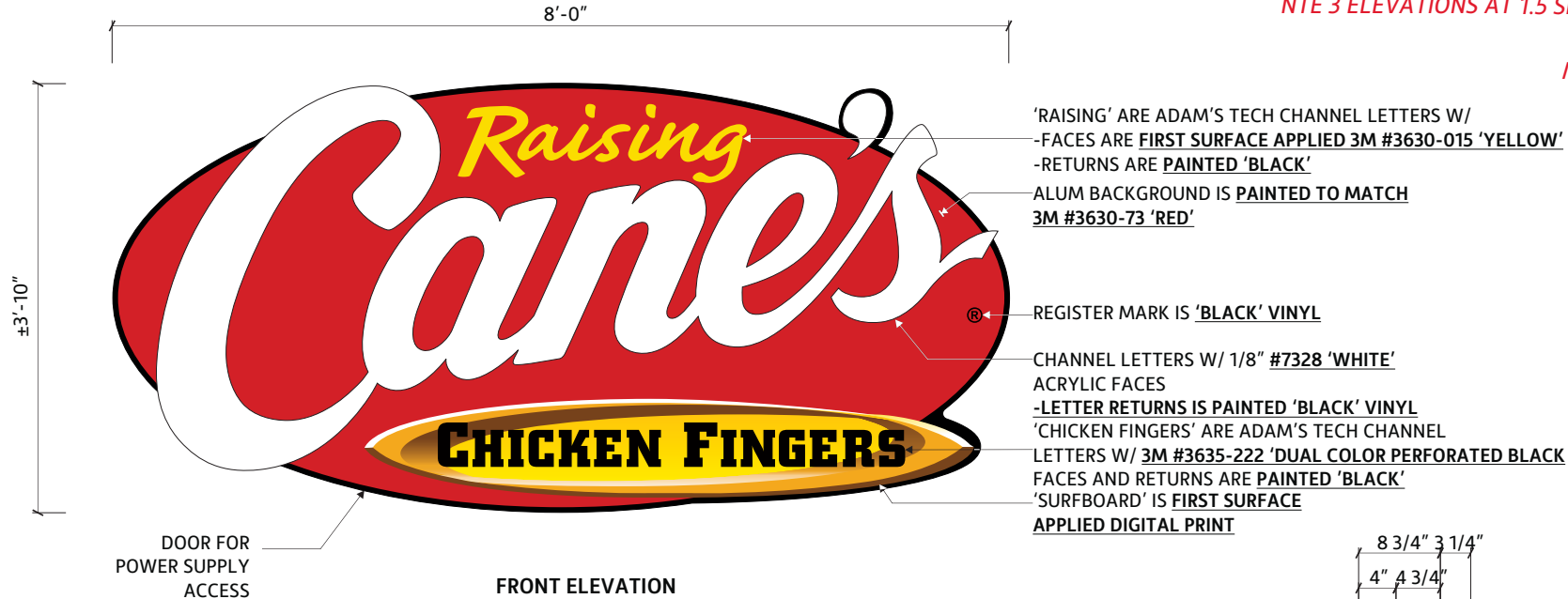
Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

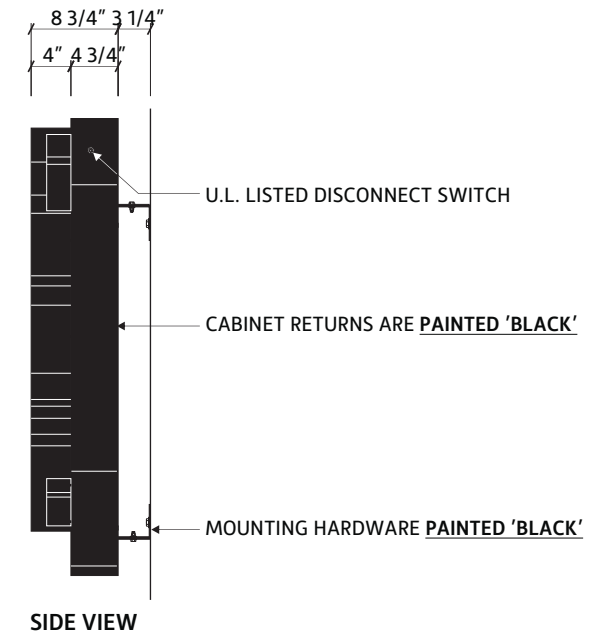
AGI PM: Kristin McCroan

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30.75

Square Footage



Location: Morgan Hill, CA

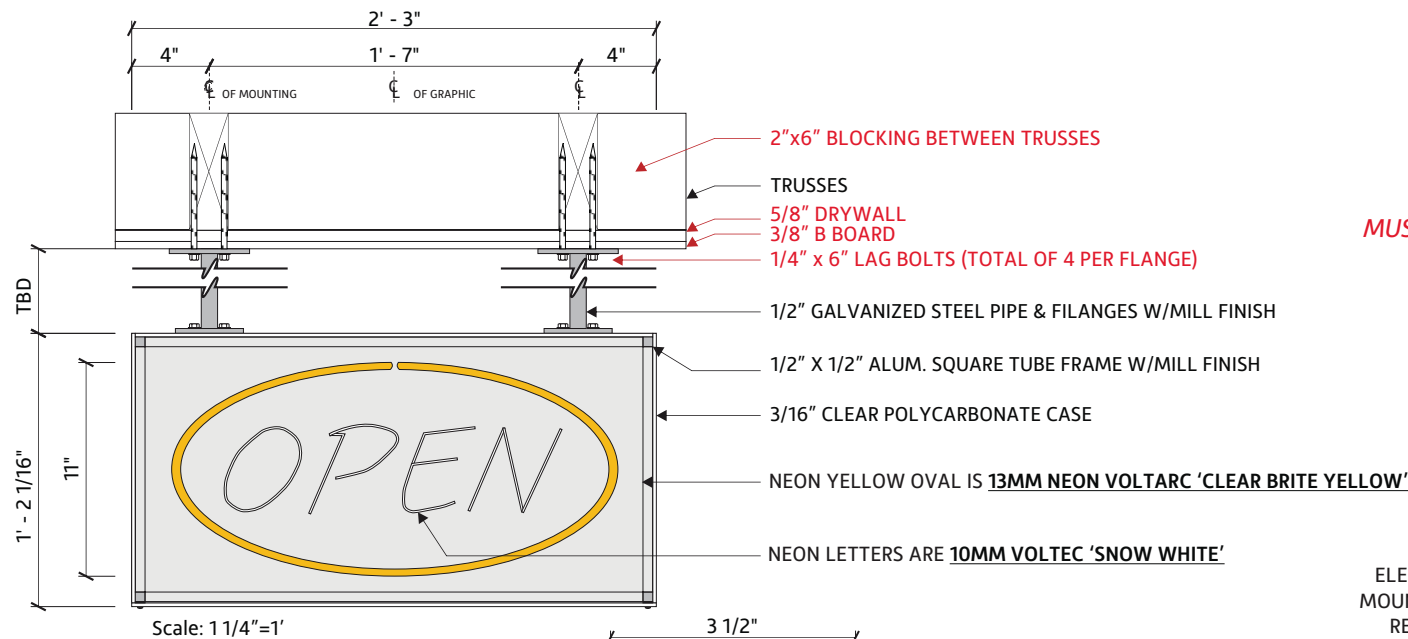
Date: 10/07/2022

Site ID: RC0991

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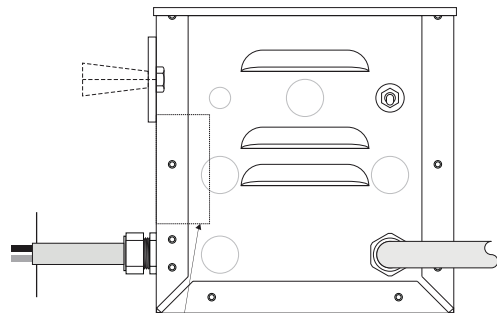
B



Scale: 1 1/4"=1'

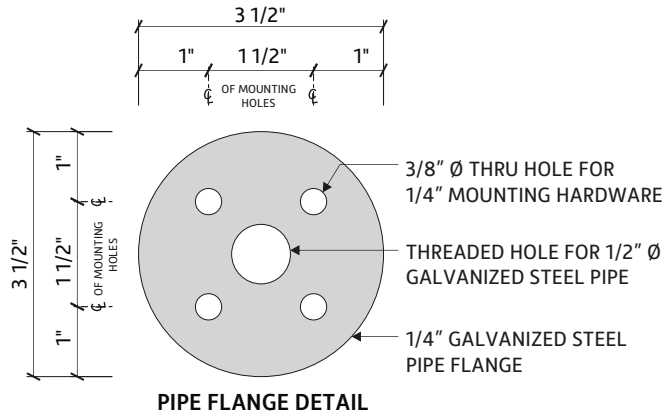
NOTES:

- 1.) TRANSFORMER IS MOUNTED REMOTELY
- 2.) CONNECT 14 GA GROUND WIRE TO EACH MOUNTING FLANGE & TO GROUND LUG PROVIDED BY TRANSFORMER.
- CONNECT TRANSFORMER GROUND TO SERVICE GROUND AT PANEL BOX

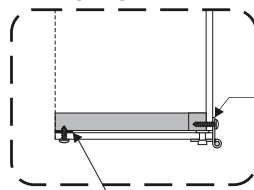


EXISTING TRANSFORMER BOX

LIGHTING COMPONENTS
LC-2-12-3-C (2,000-12,000V 30 MA)
MOUNTED IN REMOVE TRANSFORMER BOX



BLOW UP DETAIL



- (3) STRIPS OF 1/2" WIDE BLACK VELCRO TO CLOSE POLYCARBONATE DOOR @ TUBE FRAME
-DOOR IS SECURED W/ (2) #6 S.S.P.H. SHEET METAL SCREWS

1 1/2" CONTINUOUS PIANO HINGE IS POP RIVETED TO POLYCARBONATE BOTTOM & MECHANICALLY FASTENED TO POLYCARBONATE BACKER & ALUM. TUBE FRAME 2/ #6 S.S.P. H. SHEET METAL SCREWS

CUTSHEET

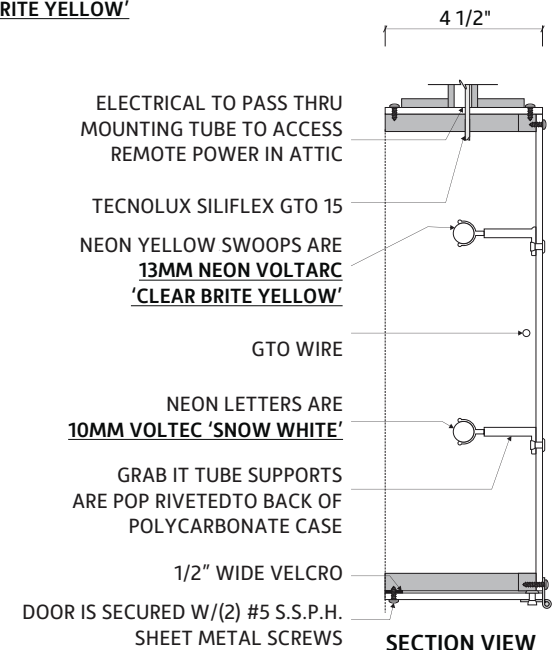
ONS (H)

INTERIOR SIGN

PIPE LENGTH TO BE VERIFIED

NTE 25% OF TOTAL WINDOW AREA

MUST HAVE APPROVAL BY PROPERTY OWNER



ELECTRICAL DATA

VOLTAGE	120
AMPERAGE	2.1



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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PAGE 11



Page 93 of 1374

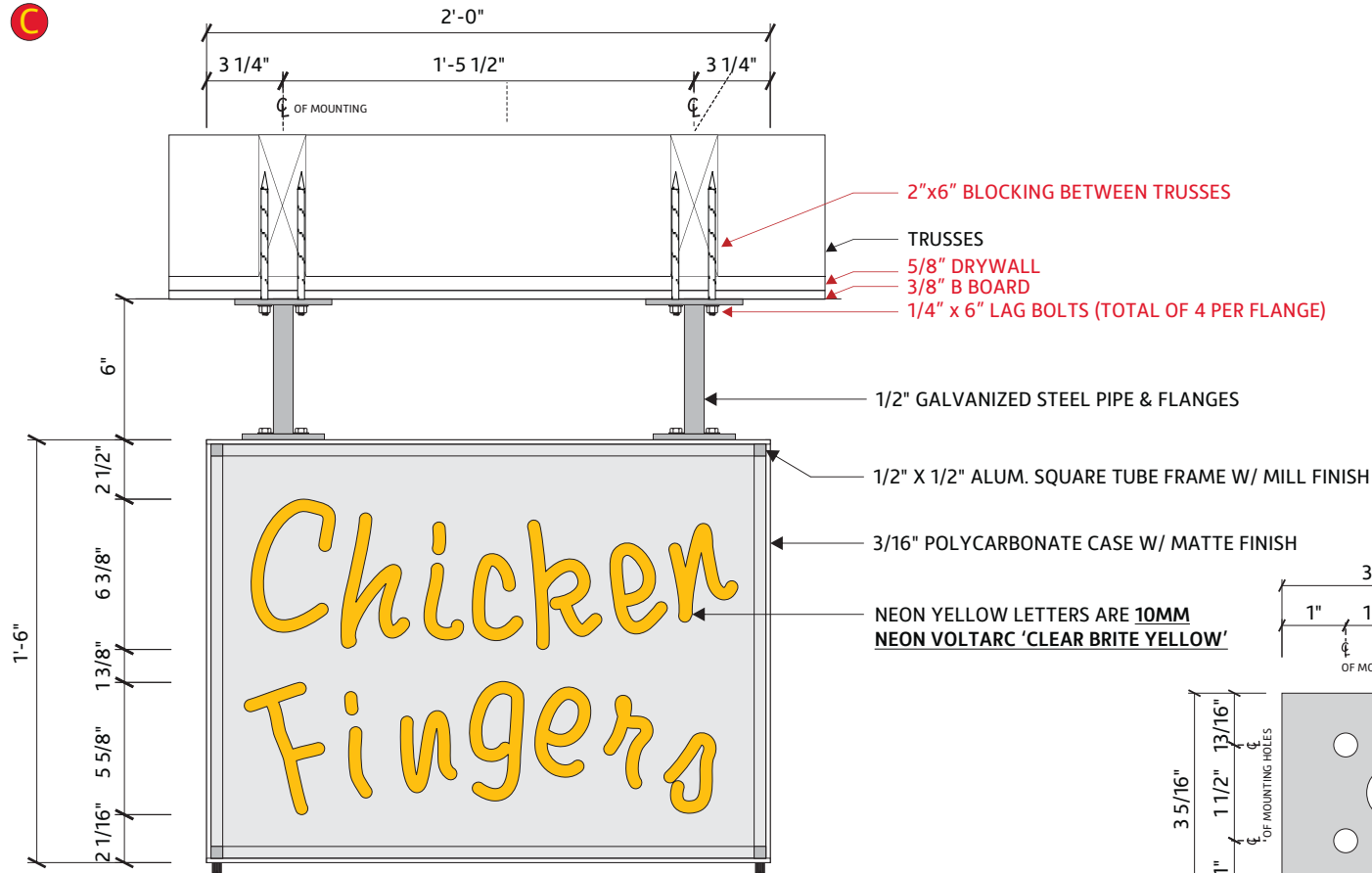
"Original" Chicken Fingers Neon Sign

INTERIOR SIGN

PIPE LENGTH TO BE VERIFIED

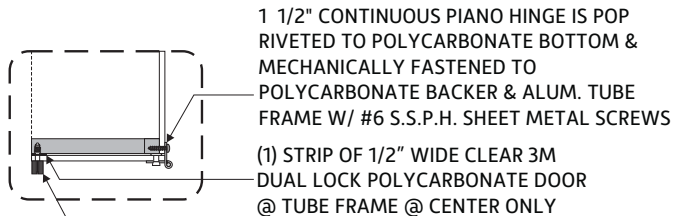
NTE 25% OF TOTAL WINDOW AREA

MUST HAVE APPROVAL BY PROPERTY OWNER



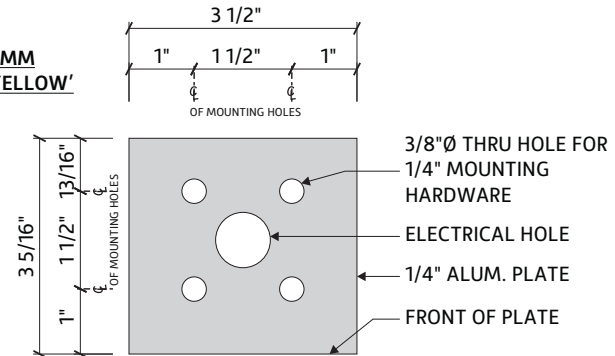
FRONT ELEVATION

Scale: 1 1/2" = 1'

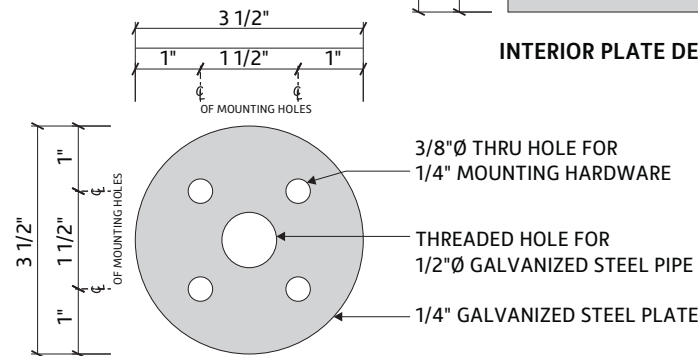


BLOW UP DETAIL

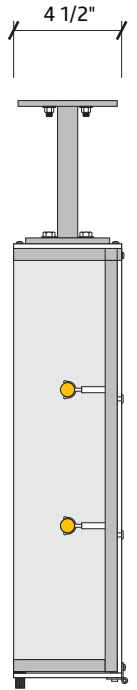
3/16" POLYCARBONATE CASE W/ MATTE FINISH IS OPEN @ FRONT W/ #10-32 X 5/8" LONG 18-8 S.S. KNURLED HEAD CAPTIVE PANEL SCREW/ SLOTTED DRIVE MCMASTER CARR #91035A508W/ 18-8 S.S. RETAINER FOR 10-32 THREAD MCMASTER CARR #91065A720



INTERIOR PLATE DETAIL



EXTERIOR PLATE DETAIL



SIDEVIEW

ELECTRICAL DATA

VOLTAGE 120

AMPERAGE 2.1



Location: Morgan Hill, CA

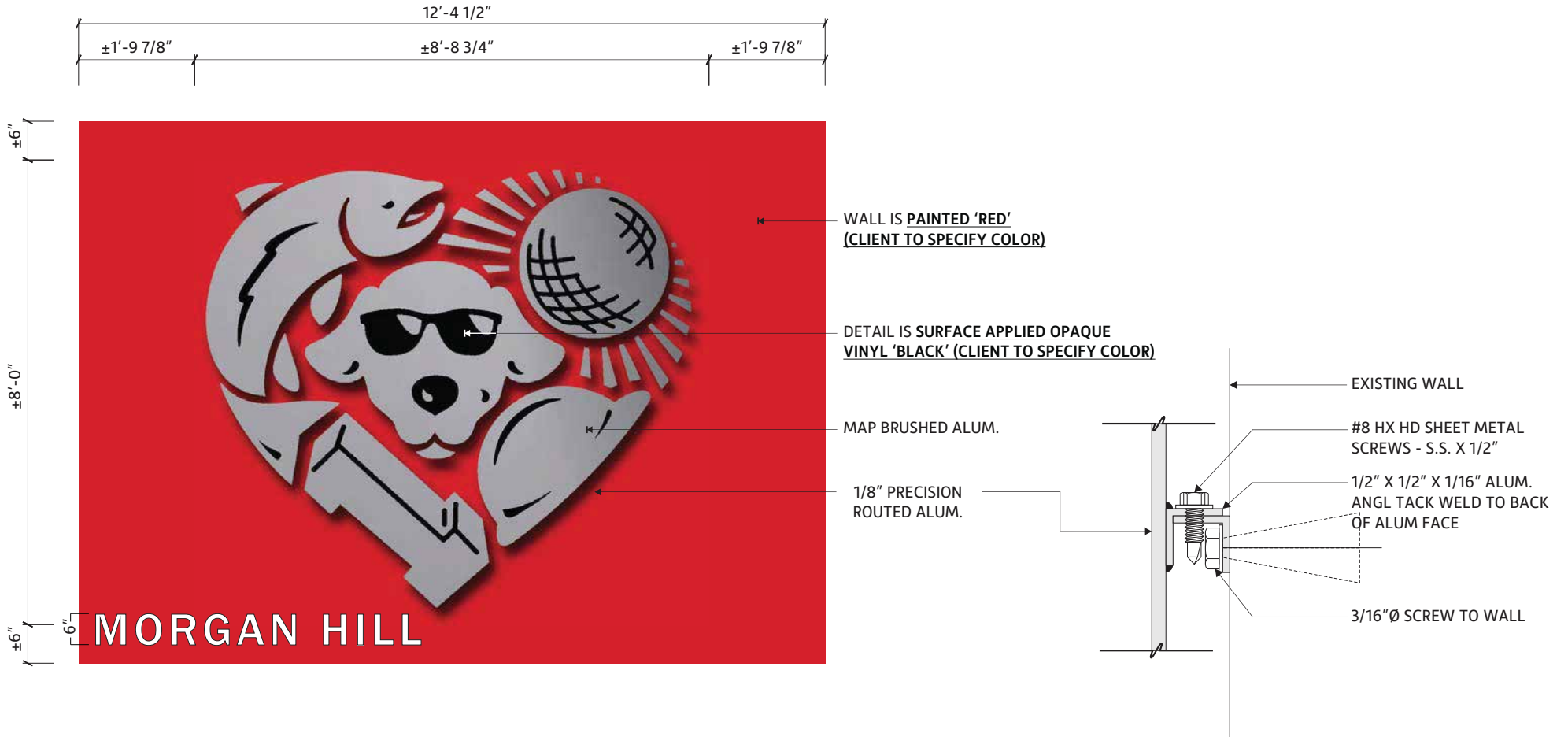
Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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IF ARTWORK CONTAINS NO ADVERTISING DOES NOT COUNT TOWARDS SIGN SF
SUBJECT TO APPROVAL BY PROPERTY OWNER



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

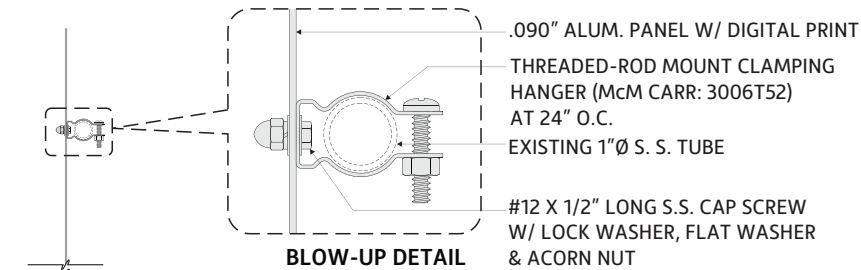
AGI PM: Kristin McCroan

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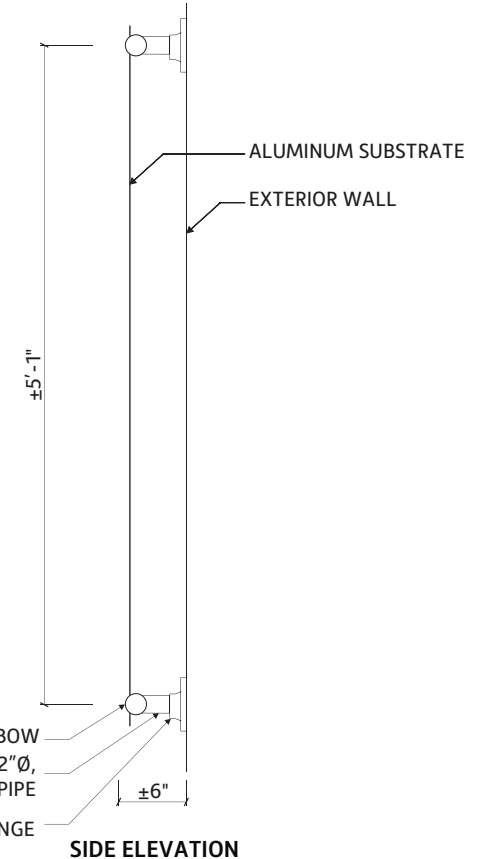
*IF ARTWORK CONTAINS NO ADVERTISING DOES NOT COUNT TOWARDS SIGN SF
BANNER SIGNS ARE SUBJECT TO REVIEW*



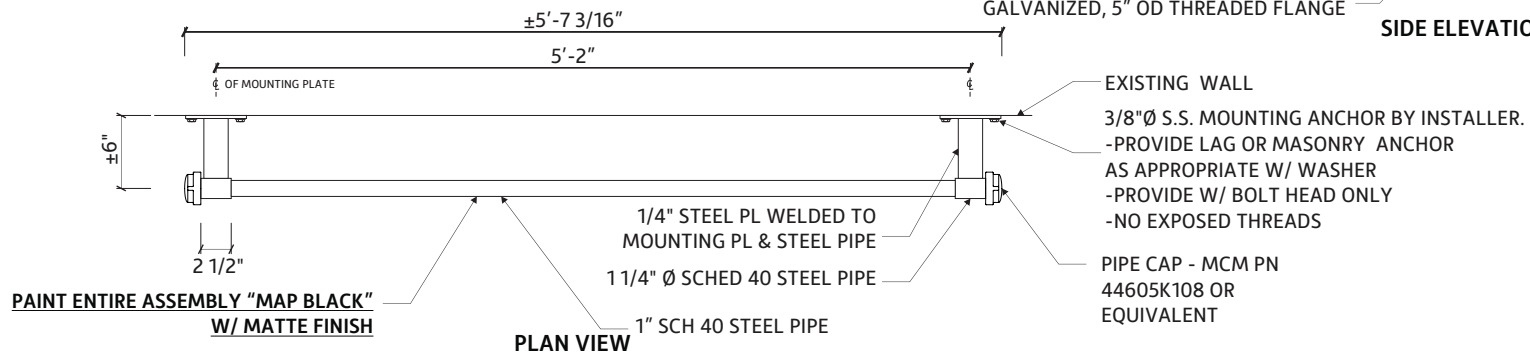
THIS IS A DIGITAL PRINT ON ALUMINUM SUBSTRATE AND RIGID.



SIDE VIEW



SIDE ELEVATION



PLAN VIEW



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

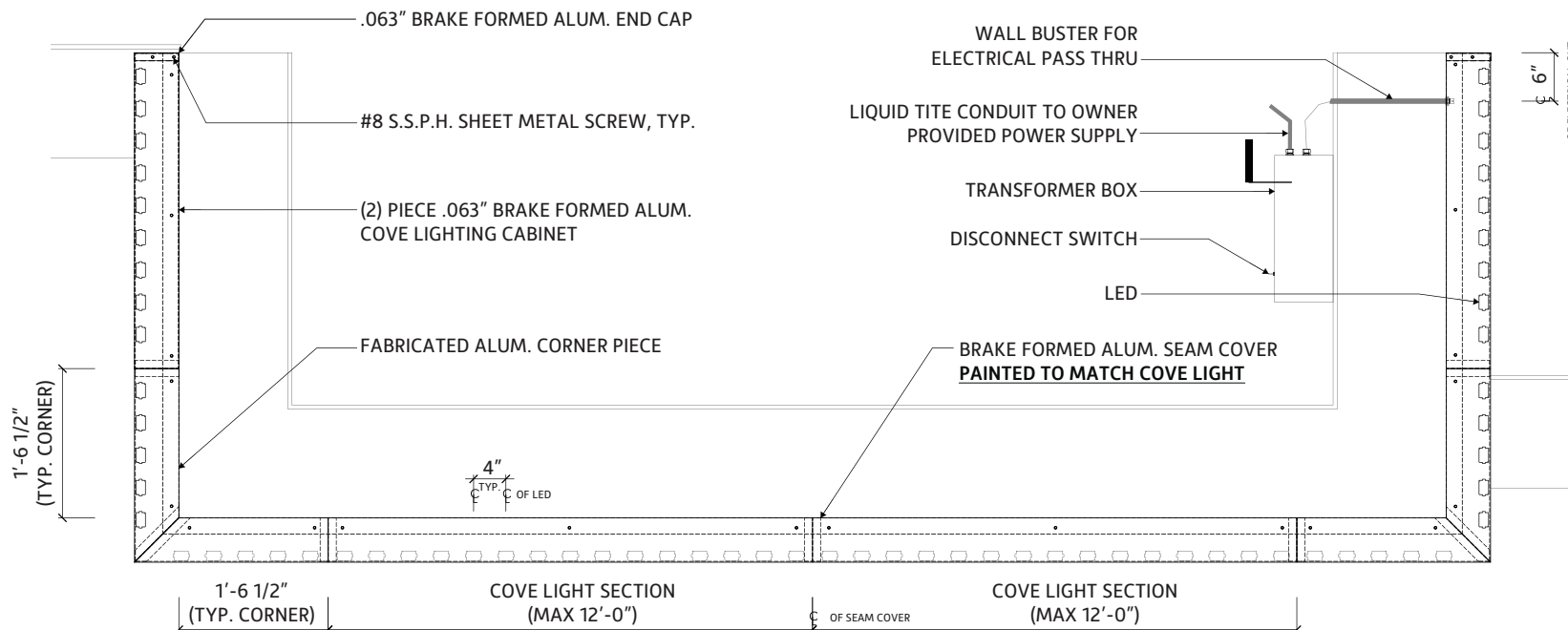
AGI PM: Kristin McCroan

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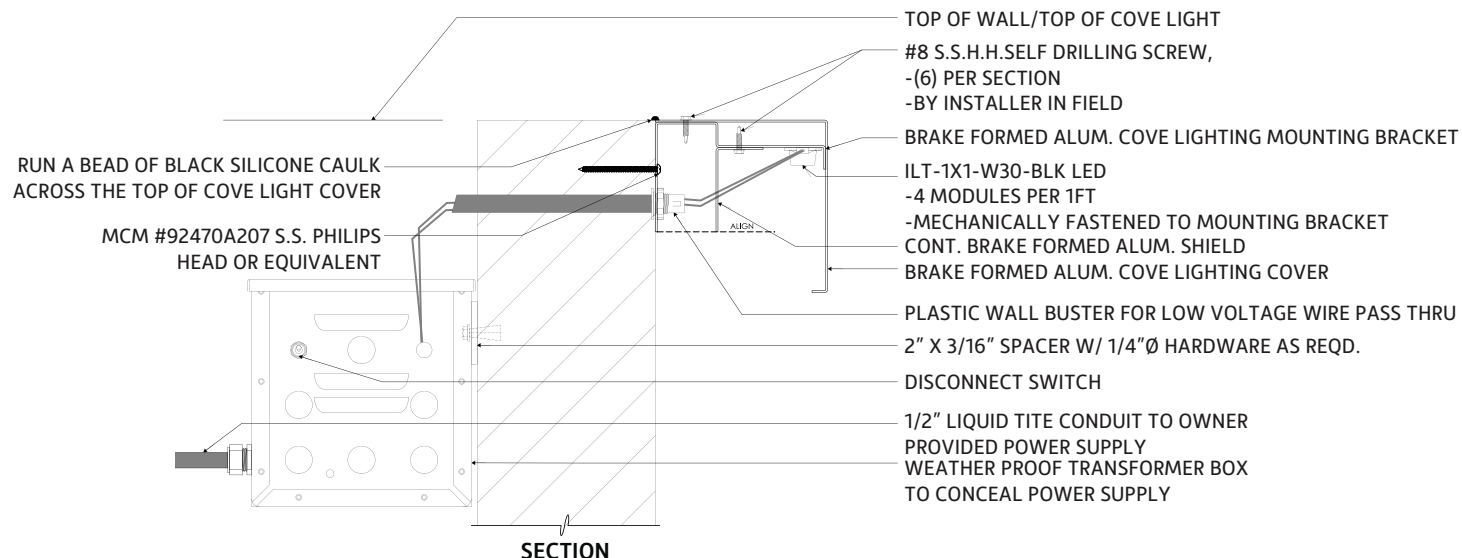
CUTSHEET

Cove Lighting ILT

NOT IN CODE
SUBJECT TO REVIEW



STRUCTURAL PLAN VIEW



SECTION



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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PAGE 15

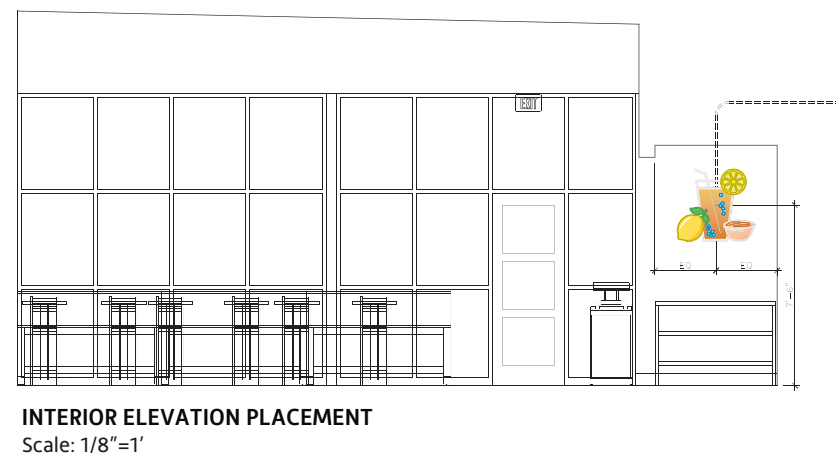
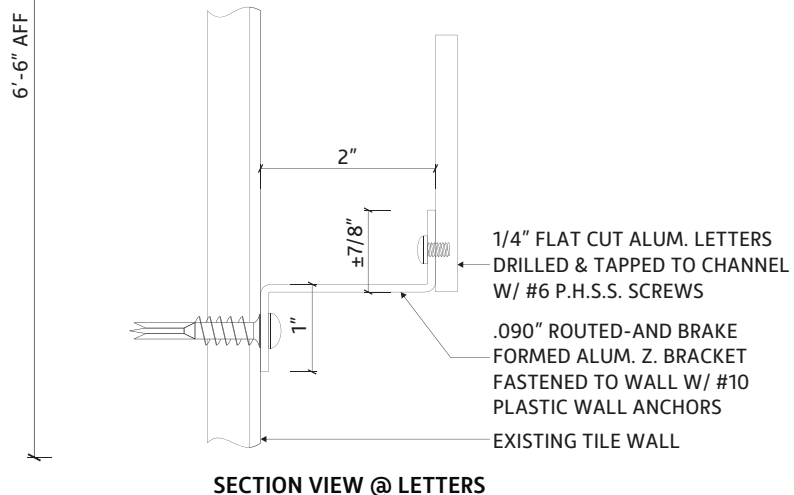
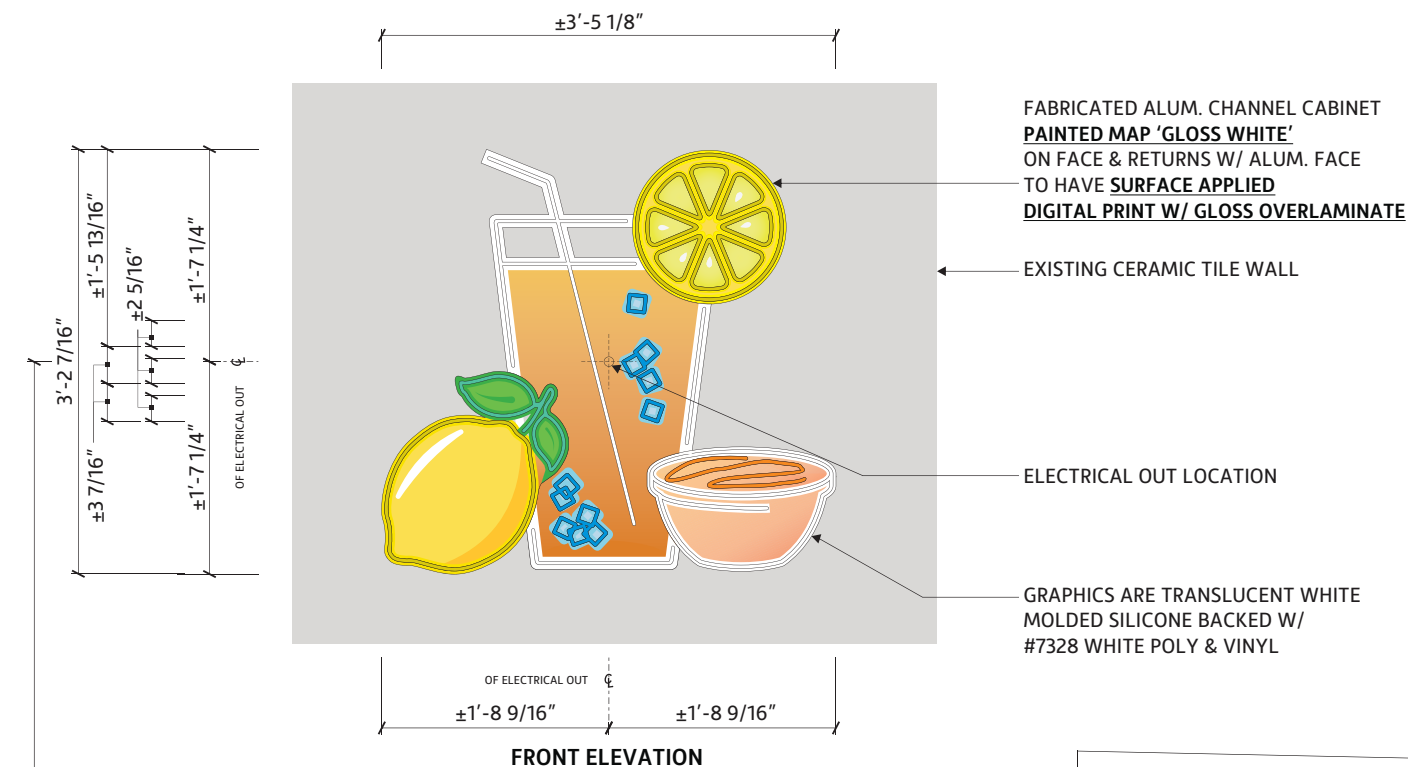


Page 97 of 1374

CUTSHEET

Lemonade Sign

INTERIOR SIGN



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

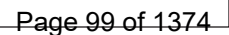
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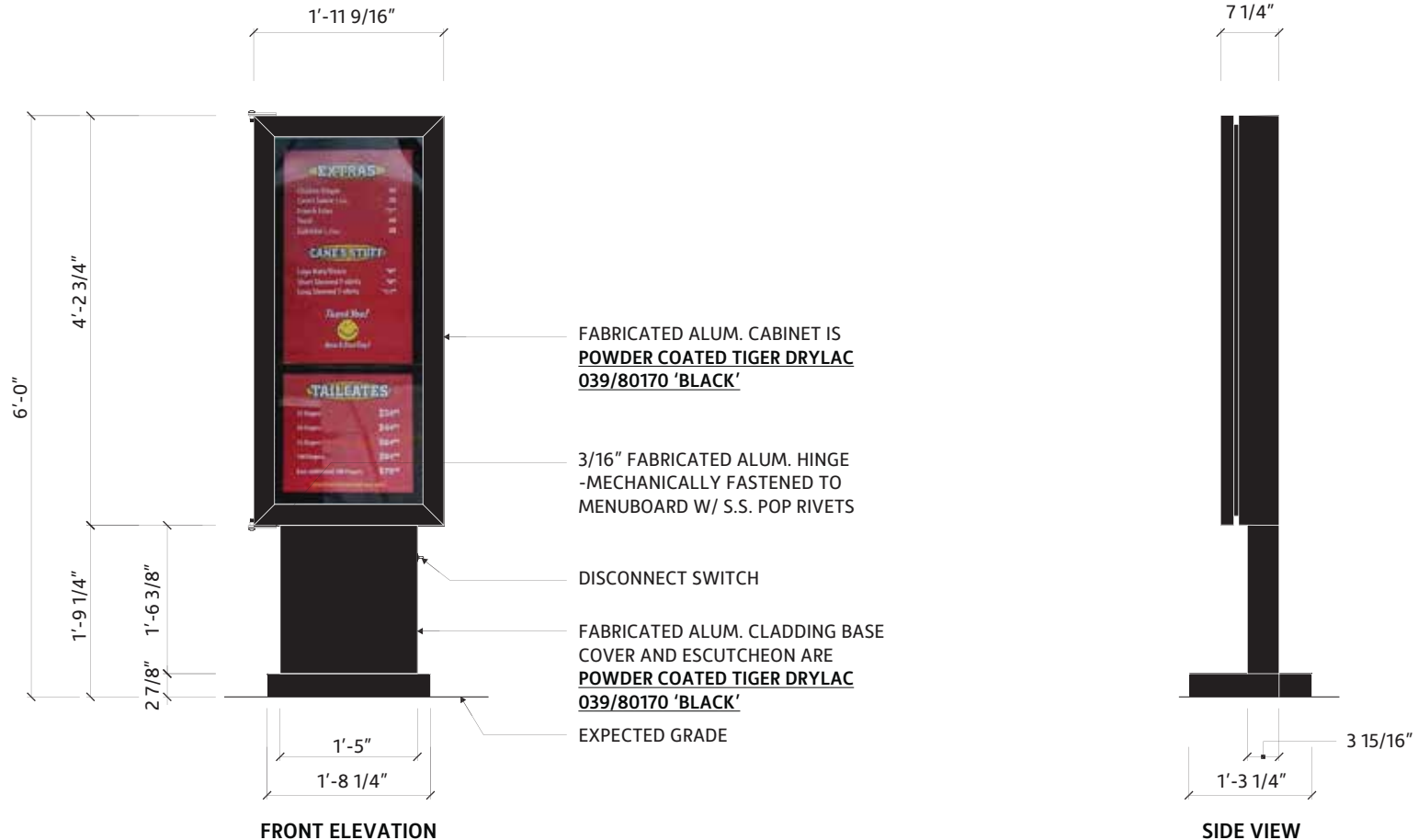
PAGE 16



Page 98 of 1374

CUTSHEET
Drive Thru Menu Board
NOT REGULATED PER CODE





8.31

Square Footage



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

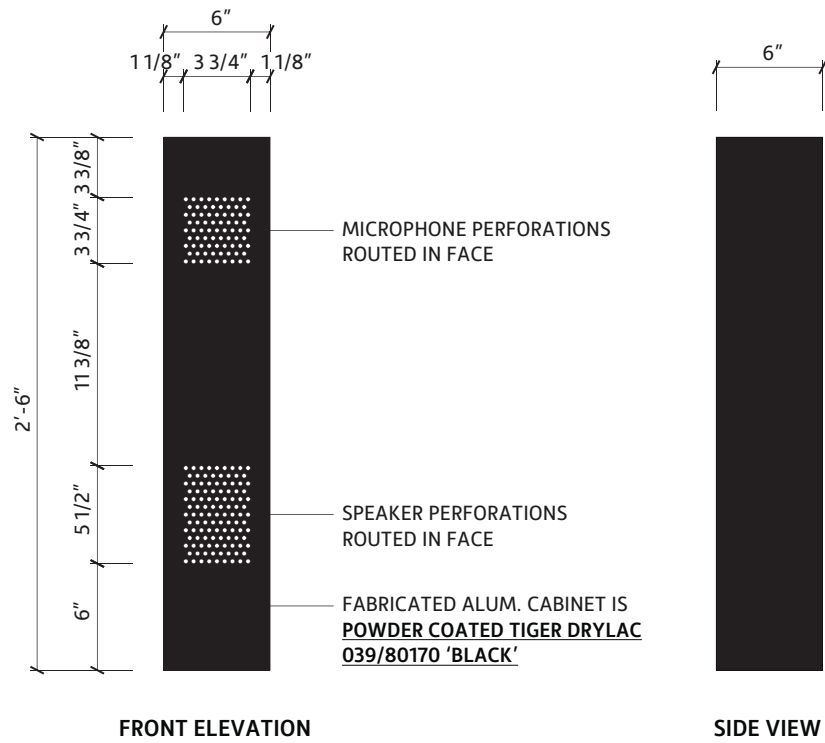
AGI PM: Kristin McCroan

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PAGE 18



Page 100 of 1374



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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SURROUNDING SITE PHOTOS



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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PAGE 20



Page 102 of 1374

SURROUNDING SITE PHOTOS



NO IMAGE

NO IMAGE

NO IMAGE

NO IMAGE

NO IMAGE

NO IMAGE

NO IMAGE

NO IMAGE



Location: Morgan Hill, CA

Date: 10/07/2022

Site ID: RC0991

AGI PM: Kristin McCroan

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PAGE 21



Page 103 of 1374



KIESEL•DESIGN

Kiesel Landscape
Architecture Inc.

375 E Main Street
Ventura, CA 93001
(p) 805.947.0730
Jack@kieseldesign.com
CL# 5206

RC #C0991
Raising Cane's
Morgan Hill

Cochrane & Butterfield,
Morgan Hill, CA 95037

Submittals:

#	DATE	NAME
1	4.12.23	CUP Submittal
2	7.25.23	CUP Resubmittal
3	11.29.23	CUP Resubmittal
4	03.15.24	CUP Resubmittal



Type: Entitlement

Initial Setup Date:

March 30, 2023

Drawn By:

NAME DATE
S. Colbert 03/2024

Title:

Cover Sheet

Sheet Number:

L0.0

Project Applicant/Owner

Raising Cane's USA, L.L.C.
6800 Bishop Rd.
Plano, TX 75024
(972) 769-3348
kroberts@raisingcanes.com

Landscape Architect

Jack Kiesel
Kiesel Design
375 E Main Street
Ventura, CA 93001
tel: 805.947.0730
email: jack@kieseldesign.com
CA License #: 5206

Civil Engineer

Kimley-Horn and Associates Inc
765 The City Dr. Suite 200
Orange, CA 92868
(714) 939-1030

Sheet Index

LANDSCAPE

L0.0	Cover Sheet
L0.1	Preliminary Plan
L0.2	Preliminary Irrigation Plan
L0.2	Irrigation Details
L0.4	Irrigation Details
L0.5	Irrigation Details

Abbreviations

APROX.	- approximate
D	- depth
DG	- decomposed granite
DIA.	- diameter
(E)	- existing
EQ.	- equal
H.	- height
MAX.	- maximum
MIN.	- minimum
LF	- linear foot
L.O.W.	- limit of work
O.C.	- on center
(P)	- proposed
PA	- planting area
R	- radius
SF	- square foot
SIM.	- similar
TBD	- to be determined
TYP.	- typical
W.	- width
W/	- with
GPM.	- gallons per minute
DI	- drain inlet



Raising Cane's - Store #C0991

Cochrane & Butterfield
Morgan Hill, CA 95037

Total Landscape Area: 28,444 SF
Project Type: Commercial
Water Supply: Potable
Local Water Purveyor: City of Morgan Hill

I have complied with the criteria of the ordinance and applied them for the efficient use of water in the landscape design plan.

 03.15.2024
JACK KIESEL, Landscape Architect Lic. #5206 DATE

Landscape Installation Preparation Notes:

Landscape Requirements

1. Raising Canes site needs to be **100 percent** ready for landscape installation and Landry's Landscape will make a site visit the week before the scheduled install to confirm that the site is completed and ready for installation.
2. Landry's Landscape will perform final fine grading of the site's top 4 inch of landscape areas prior to sod installation. All other site rough grading to be done by the General Contractor.
3. Before initial landscape installation and final fine grading, all debris is to be removed from the sites landscape areas by the General Contractor (including but not limited too) all concrete debris, trash, and wood forms.
4. Final site cleanup and pressure washing is to be conducted by the General Contractor. Landry's Landscape will remove all trash and material related to the landscape install along with pressure washing any disturbed areas due to the install and blow the site clean upon completion. Any additional pressure washing services Landry's can provide for an additional charge.
5. The recommended soil amendments will be incorporated.

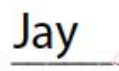
Irrigations Requirements

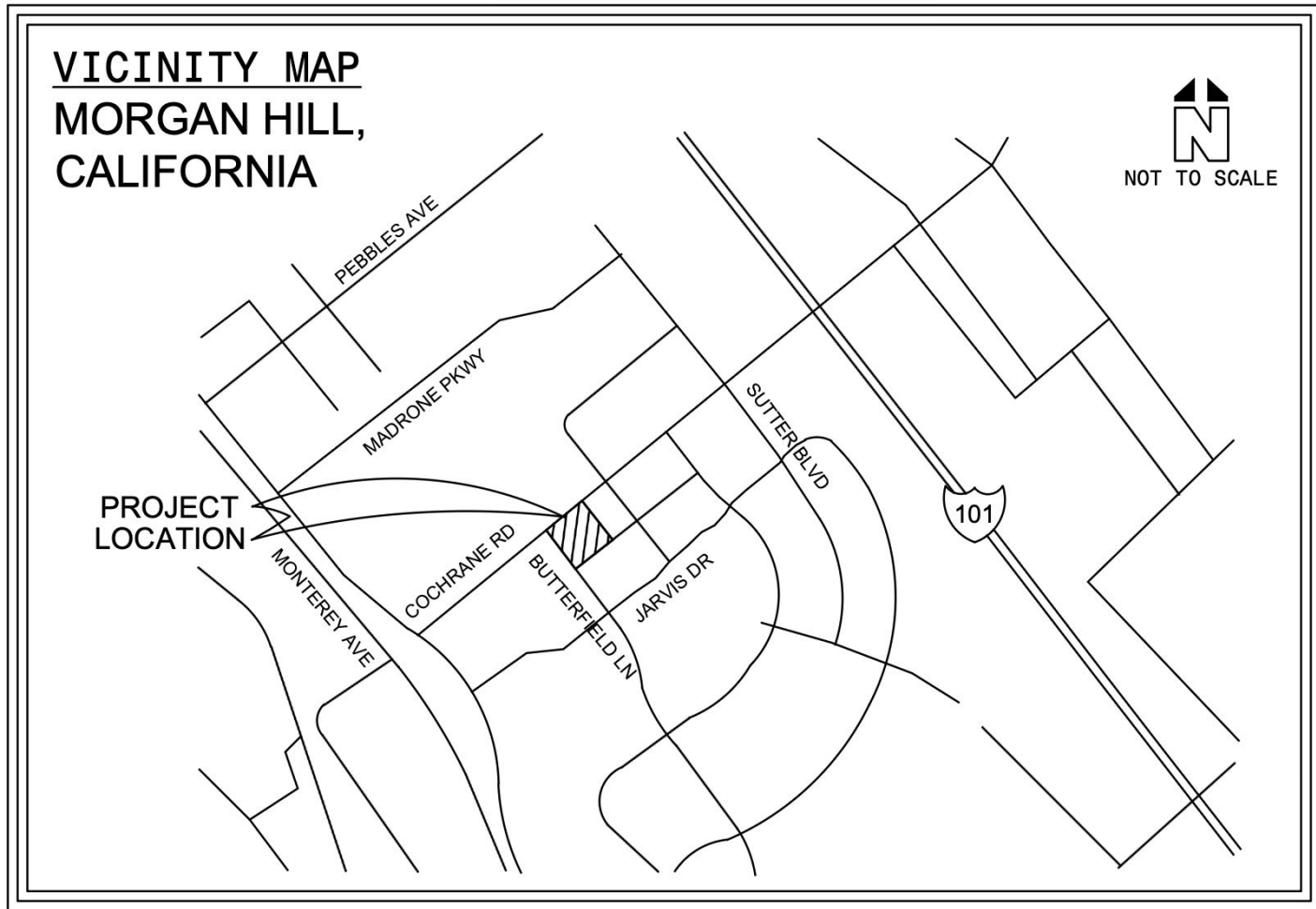
1. Back Flow Preventor & Safety Cage, Irrigation meter, all sleeving materials and installation to be installed by the General Contractor. Any additional sleeving or boring requested while on site Landry's Landscape can provide for an additional charge.
2. Electrical conduit for irrigation controller is to be provided by the General Contractor and located on the exterior face of the building inside the corral area per the plans.
3. General Contractor to install all curb bores for landscape areas in the building island and shall grade 2% minimum from the building foundation to top of curbs for positive drainage. Landry's Landscape is not responsible for any water damage to these areas around sidewalks, curbs, and building foundation if the desired drainage is not obtained.

After installation of landscaping on property, I agree to have an irrigation audit, landscape audit, irrigation schedule, and maintenance schedule conducted by a Certified Irrigation Auditor and submit it to the City for final project sign off.

 Jay Higgins for Raising Cane's Chicken Fingers
Owner/ Developer DATE

The developer will submit receipts and/or invoices for all compost and mulch purchases to Environmental Services Division after final construction.

 Jay Higgins for Raising Cane's Chicken Fingers
Owner/ Developer DATE



General Notes:

1. The Landscape Contractor (Contractor) shall notify **Underground Service Alert (USA) before start of construction at (800) 422-4133**.
2. The California Public Utilities Code mandates that the gas company (Southern California Gas) is notified a **minimum of two days prior** to the start of construction.
3. Site conditions may change due to unforeseen circumstances that occur as projects undergo construction. If a proposed built element, grade change or landscape feature seems problematic and it is evident that contruction may not proceed per the approved drawings, the Landscape Contractor shall call the Landscape Architect to coordinate any issues before continuing with site work.
4. Contractor shall confirm all field dimensions and conditions prior to the start of work. Any discrepancies with plans shall be reported to the Owner and Landscape Architect.
5. Contractor shall make modifications to material and/or method of installation as required by local code and Conditions of Approval, but shall notify the Owner and Landscape Architect of such changes prior to construction.
6. **There are no slopes greater than 25% on the property.**
7. Grading plans are included on Civil plans.

Best Management Practices for Construction Activities:

1. Stockpiles of earth, sand and other construction related materials must be protected from being transported from the site by the forces of wind or water. This includes sand for stucco, drywall demolition debris, drywall "mud" packaging, etc
2. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills may not be washed into the drainage system.
3. Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the site.
4. Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions must be made to retain concrete wastes on site until they can be disposed of as a **solid** waste.
5. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
6. Sediments and other material may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.



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CL# 5206

RC #C0991
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Submittals:

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Type: Entitlement

Initial Setup Date:
March 30, 2023

Drawn By:
NAME DATE
S. Colbert 03/2024

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Title:

Preliminary
Landscape Plan

Sheet Number:

L0.1

Materials Legend

Material	Size	Area
'Horse Creek' Crushed Stone	1/2"	28,444 SF
Direct Colors® Smokestack Grey 102 - 5lb integral colored concrete W/ 3/8" sawcut joints. Finish: TOPCAST ® #05	N/A	834 SF
Natural colored concrete W/ 3/8" sawcut joints. Finish: TOPCAST ® #05	N/A	8,985 SF
'Apache Gold' Boulders (angular)		
"A"	18" - 24" DIA	
"B"	24" - 36" DIA	
"C"	36" - 48" DIA	

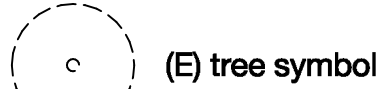
Crushed Stone Supplier: Southwest Boulder & Stone (714) 882-1010

Integral Colored Concrete Supplier: Direct Colors <https://www.directcolors.com/>

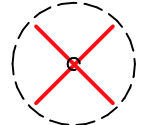
Total Landscape Area:
28,444 S.F.
Project Type: Commercial
Water Supply: Potable

Existing Tree Protection
& Removal Notes

All existing plant material to remain and be protected unless otherwise noted.



(E) tree symbol



(E) to be removed symbol

Proposed Notes

- (P) bike rack per Architect
- (P) bioretention basin per Civil
- (P) trash enclosure
- (P) long term bike storage per Architect
- (P) overhead structure
- (P) menu order board
- (P) menu pre-order board
- (P) drive-thru clearance bar
- (P) light post per Electrical, TYP.
- (P) benches TBD
- (P) patio furniture per Architect
- (P) screen wall per Civil

Existing Notes

- A (E) unidentified tree, 2" DIA.

Landscape Notes

- Landscape plan are in compliance with the State Model Efficiency Landscape Ordinance (MWELCO).
- 100% of plant material are drought tolerant and low water use per WUCOLS.
- In all planting areas, low volume water irrigation (subsurface drip) will be provided to maximize water infiltration into the roots.
- Prior to the planting of any materials, compacted soils shall be transformed to a friable condition. On engineered slopes, only amended planting holes need meet this requirement.
- Soil amendments shall be incorporated according to recommendations of the soil report and what is appropriate for the plants selected (see Section 18.148.070).
- For landscape installations, compost at a rate of a minimum of four cubic yards per one thousand square feet of permeable area shall be incorporated to a depth of six inches into the soil. Soils with greater than six percent organic matter in the top six inches of soil are exempt from adding compost and tilling.
- A minimum three-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas except in turf areas, creeping or rooting groundcovers, or direct seeding applications where mulch is contraindicated. To provide habitat for beneficial insects and other wildlife, up to five percent of the landscape area may be left without mulch. Designated insect habitat must be included in the landscape design plan as such.
- Stabilizing mulching products shall be used on slopes that meet current engineering standards.
- The mulching portion of the seed/ mulch slurry in hydro-seeded applications shall meet the mulching requirement.
- Organic mulch materials made from recycled or post-consumer shall take precedence over inorganic materials or virgin forest products unless the recycled post-consumer organic products are not locally available. Organic mulches are not required where prohibited by local fuel modification plan guidelines or other applicable local ordinances. (The use of bark mulch, gorilla mulch, shredded cedar are strongly discouraged and should not be used in any project.)

Plant List

Symbols Botanical Name

Common Name

Size

Qty

Mature

Height

Size

Width

WUCOLS

Trees

Arbutus x 'Marina' (std.)

Marina Strawberry Tree

36" box 7 15 - 35 ft 20 - 35 ft Low

Chilopsis linearis (std.)

Desert Willow

36" box 4 12 - 15 ft 6 - 25 ft Low

Quercus agrifolia (std.)

Coast Live Oak

36" box 14 15 > 35 ft Low

Shrubs

Arctostaphylos 'Sunset'

Sunset Manzanita

15 gal 72 4-5 ft. 5-6 ft. Low

Eremophila glabra 'Mingenew Gold'

Outback Sunrise Emu

5 gal 168 1 ft 6 ft Low

Rhaphiolepis umbellata 'Minor'

Dwarf Yedda Hawthorn

15 gal 106 3 - 5 ft 3 - 4 ft Low

Salvia greggii 'Furman's Red'

Furman's Red Autumn Sage

1 gal 123 2 - 3 ft 2 - 3 ft Low

Perennials

Achillea millefolium

Yarrow 'CA Native Cultivator

5 gal 258 1 - 2 ft 2 - 3 ft Low

Chondropetalum tectorum

Small Cape Rush

5 gal 128 2 - 3 ft 3 - 4 ft Low

Dianella revoluta 'Little Rev'

Little Rev Flax Lily

5 gal 69 2 - 3 ft 1 - 2 ft Low

Succulents

Agave 'Blue Flame'

Blue Flame Agave

15 gal 10 2 - 3 ft. 2 - 3 ft. Low

Agave americana

Century Plant

15 gal 24 4 - 8 ft. 6 - 12 ft. Low

Aloe vera

Aloe Vera

1 gal 89 2 - 3 ft. 1 - 2 ft. Low

Hesperaloe parviflora

Red Yucca

5 gal 73 3 - 4 ft 4 - 5 ft Low

Grasses

Lomandra longifolia 'Breeze'

Dwarf Mat Rush

5 gal 9 2 - 4 ft 2 - 4 ft Low

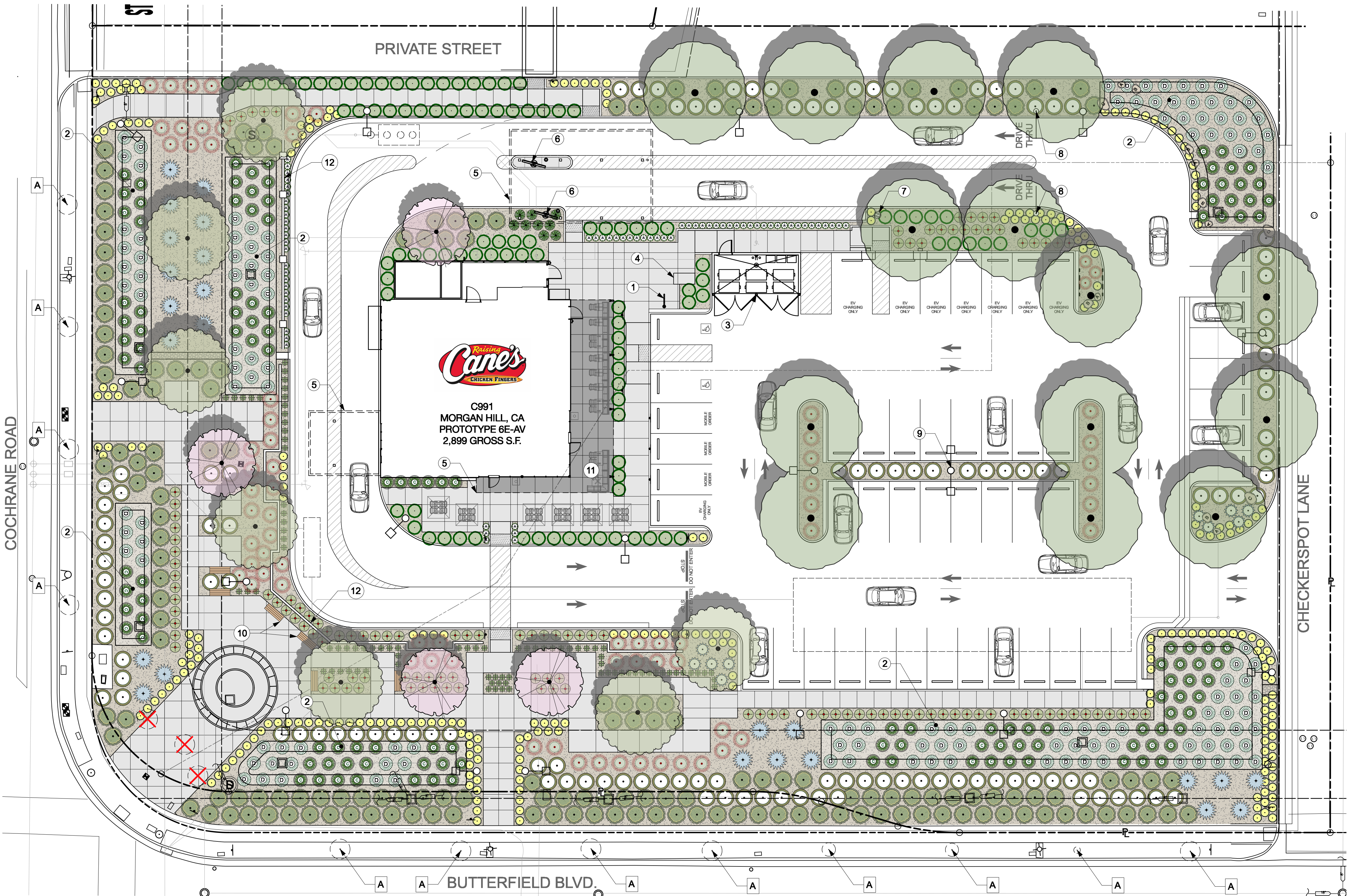
Muhlenbergia dubia

Pine Muhly

5 gal 133 3 ft 3 ft. Low

Total

1288





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CL# 5206RC #C0991
Raising Cane's
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4	03.15.24	CUP Resubmittal



Type: Entitlement

Initial Setup Date:
March 30, 2023Drawn By:
NAME DATE
S. Colbert 03/2024

Title:

Preliminary
Irrigation Plan

Sheet Number:

L0.2

Irrigation Notes

- Landscape Plan are in compliance with the State Model Efficiency Landscape Ordinance (MWEL0). 100% of plant material are drought tolerant and low water use per WUCOLS.
- The design of the irrigation system shall conform to the hydrozones of the landscape design plan.
 - In all planting areas, low volume water irrigation (subsurface drip) will be provided to maximize water infiltration into the roots.
 - A dedicated water meter shall be provided for common landscape area.
 - A weather base "smart controller" shall be utilized. Controller shall be programmed to water in early morning or night.
 - A rain sensor shall be installed at each controller.
 - Water use calculation shall certify conformance with the current requirements.
 - Trees to be irrigated by bubblers.
 - Watering times must be after 7:00pm and before 9:00am

I have complied with criteria of the ordinance and applied them accordingly for the efficient use of water in the irrigation design plan.

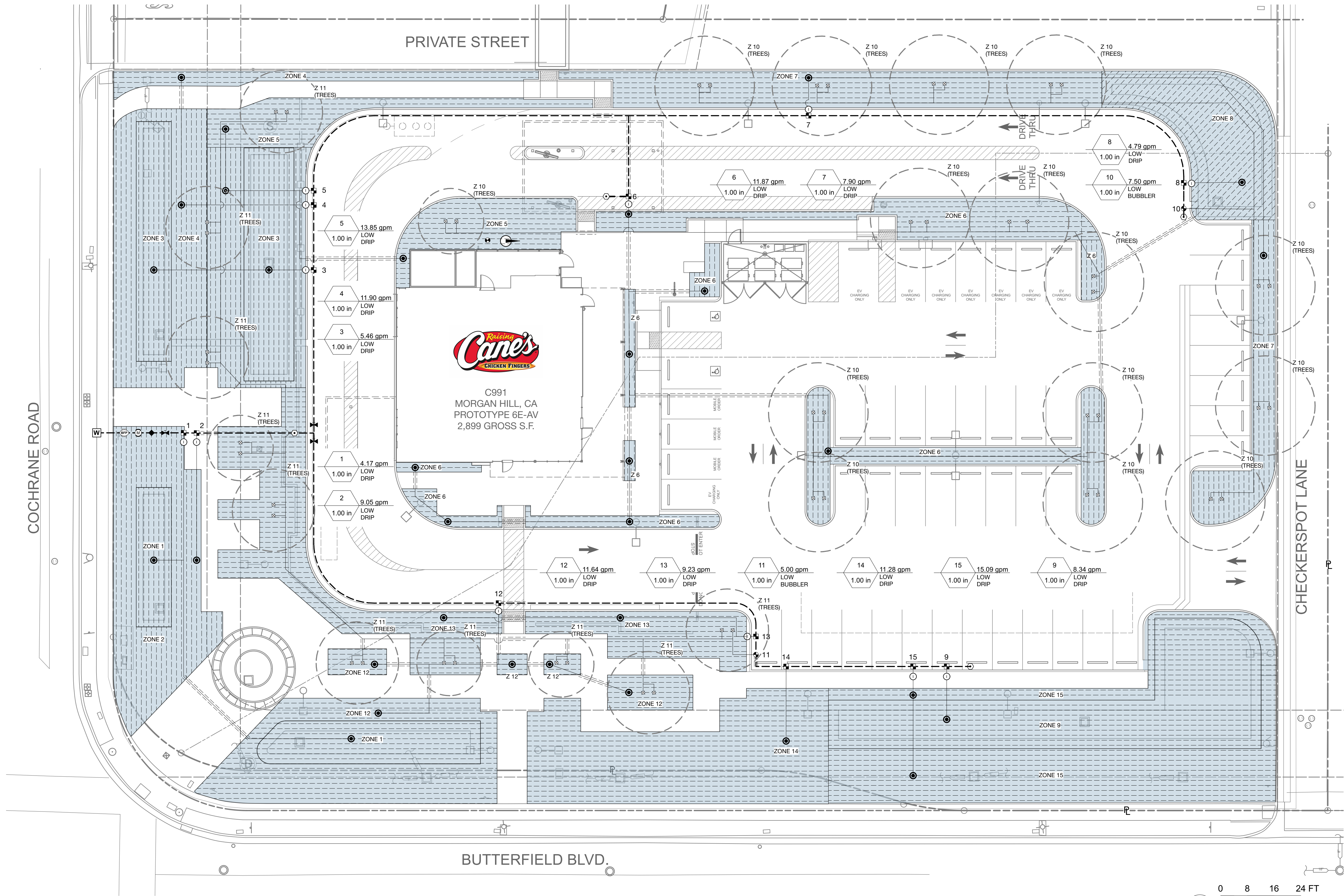
 03.15.2024
JACK KIESEL, LANDSCAPE ARCHITECT #5206. DATE

Site Information								
Site Name →		Raising Cones, Morgan Hill						
Site Type →		Commercial	Allowed ETAF:		0.45			
Annual Eto (inches/yr) →		49.5						
Hydrozone or Planting Description	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	Hydrozone Area (sqft.)	ETAF x Area	Estimated Total Water Use (gal./Yr.)	
Regular Landscape Areas								
1	0.3	Low	Drip	0.81	0.4	1,264	468	14,367
2	0.3	Low	Drip	0.81	0.4	1,743	646	19,812
3	0.3	Low	Drip	0.81	0.4	1,793	664	20,380
4	0.3	Low	Drip	0.81	0.4	1,972	730	22,415
5	0.3	Low	Drip	0.81	0.4	2,548	944	28,962
6	0.3	Low	Drip	0.81	0.4	2,772	1,027	31,508
7	0.3	Low	Drip	0.81	0.4	2,486	921	28,258
8	0.3	Low	Drip	0.81	0.4	1,414	524	16,072
9	0.3	Low	Drip	0.81	0.4	2,629	974	29,883
10	0.3	Low	Drip	0.81	0.4	75	28	853
11	0.3	Low	Drip	0.81	0.4	50	19	568
12	0.3	Low	Drip	0.81	0.4	2,138	792	24,302
13	0.3	Low	Drip	0.81	0.4	2,541	941	28,883
14	0.3	Low	Drip	0.81	0.4	2,477	917	28,155
15	0.3	Low	Drip	0.81	0.4	2,630	974	29,894
SUBTOTAL →						28,444	10,567	324,314
Special Landscape Areas								
0				1	0	0	0	0
SUBTOTAL →					0	0	0	0
Estimated Total Water Use (ETWU) →						324,314		
Maximum Allowed Water Allowance (MAWA) →						392,826		

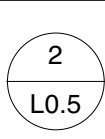
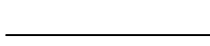
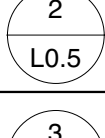
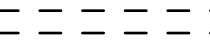
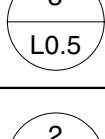
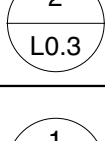
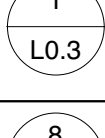
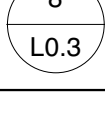
ETAF Calculations	
Regular Landscape Areas	
Total ETAF x Area	10,567
Total Area	28,444
Average ETAF	0.37
All Landscape Areas	
Total ETAF x Area	10,567
Total Area	28,444
Sitewide ETAF	0.37

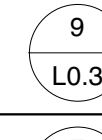
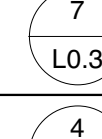
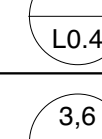
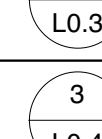
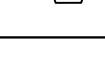
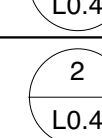
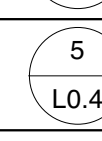
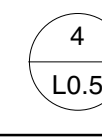
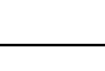
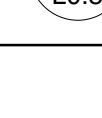
Notes:

Calculator developed to meet code effective Dec. 1, 2015
This calculator is for estimating purposes only.

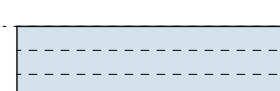
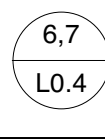
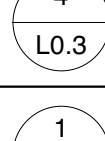
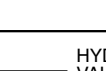
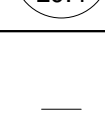
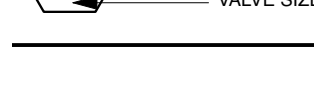


Irrigation Equipment Schedule

symbol on plan	description	brand and model	detail	requirements
	1" Water Meter	Provided by developer		
	new mainline pipe for potable water W/ blue 3" identification tape	1" SCH 40 PVC, W/ SCH 40 PVC fittings.		
	new lateral line pipe for potable water	SCH 40 PVC, W/ SCH 40 PVC fittings		
	sleeve pipe for main, laterals and wires under paving and through walls	SCH 40 PVC, W/ SCH 40 PVC couplings		
	weather-based irrigation controller, exterior wall mount w/ rain sensor	HUNTER A2C-1200-SS Smart Modular Control System		
	backflow preventer assembly W/ brass wye strainer and pressure reducer	1" FEBCO LF825YA-QT RT 1" WILKINS SXL wye strainer 1" WILKINS 500XL pres. reducer 1" brass unions Enclosure: BFE-2424		
	gate valve mainline shut off	SPEARS, true union, with VITON o-rings, line size		

	Weather/ Rain Combo Sensor	HUNTNER WSS-SEN		
	bubbler valve, W/ ACCU-SYNC adjustable pressure regulator field set to provide 40PSI dynamic	HUNTER ICV-101G-FS (1")		
	pressure regulating drip valve W/ basket filter	HUNTER ICZ101-LF-40 (1")		
	master valve, normally closed	HUNTER IBV-101G-FS (1")		
	flow sensor	FLOMEC QS200-10		
	air relief valve	HUNTER PLD-AVR		
	manual flush valve	PVC Ball Valve		
	quick-coupling valve	HUNTER HQ44-LRC-AW		
	.25 GPM, pressure compensating (20-90PSI) below grade tree bubbler;	HUNTER RZWS-18		

0 8 16 24 FT
Scale: 1/16" = 1'-0"

	0.6 GPH subsurface drip irrigation; 0.43 in/hr precip. rate @ 30 or 40 PSI; space drip lines at 18 inch O.C.; install laterals parallel to grade	HUNTER HDL-06-18		
	pipe transition point in drip box	Pipe Transition point from PVC lateral to drip tubing with riser in 6 inch drip box.		
	drip system operation indicator; one per drip valve assembly	HUNTER ECO-INDICATOR		
	valve designation on plan			valve number: brand into lid of valve box with 1 1/4 inch high numbers corresponding to controller stations, using a CHRISTY's brander and dies, or equal. valve numbers on plan are suggested order.



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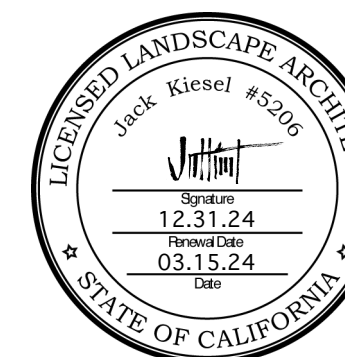
375 E Main Street
Ventura, CA 93001
(p) 805.947.0730
Jack@kieseldesign.com
CL# 5206

RC #C0991
Raising Cane's
Morgan Hill

Cochrane & Butterfield
Morgan Hill, CA 95037

Submittals:

#	DATE	NAME
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2	7.25.23	CUP Resubmittal
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4	03.15.24	CUP Resubmittal



Type: Entitlement

Initial Setup Date:
March 30, 2023

Drawn By:

#	NAME	DATE
	S. Colbert	03/2024

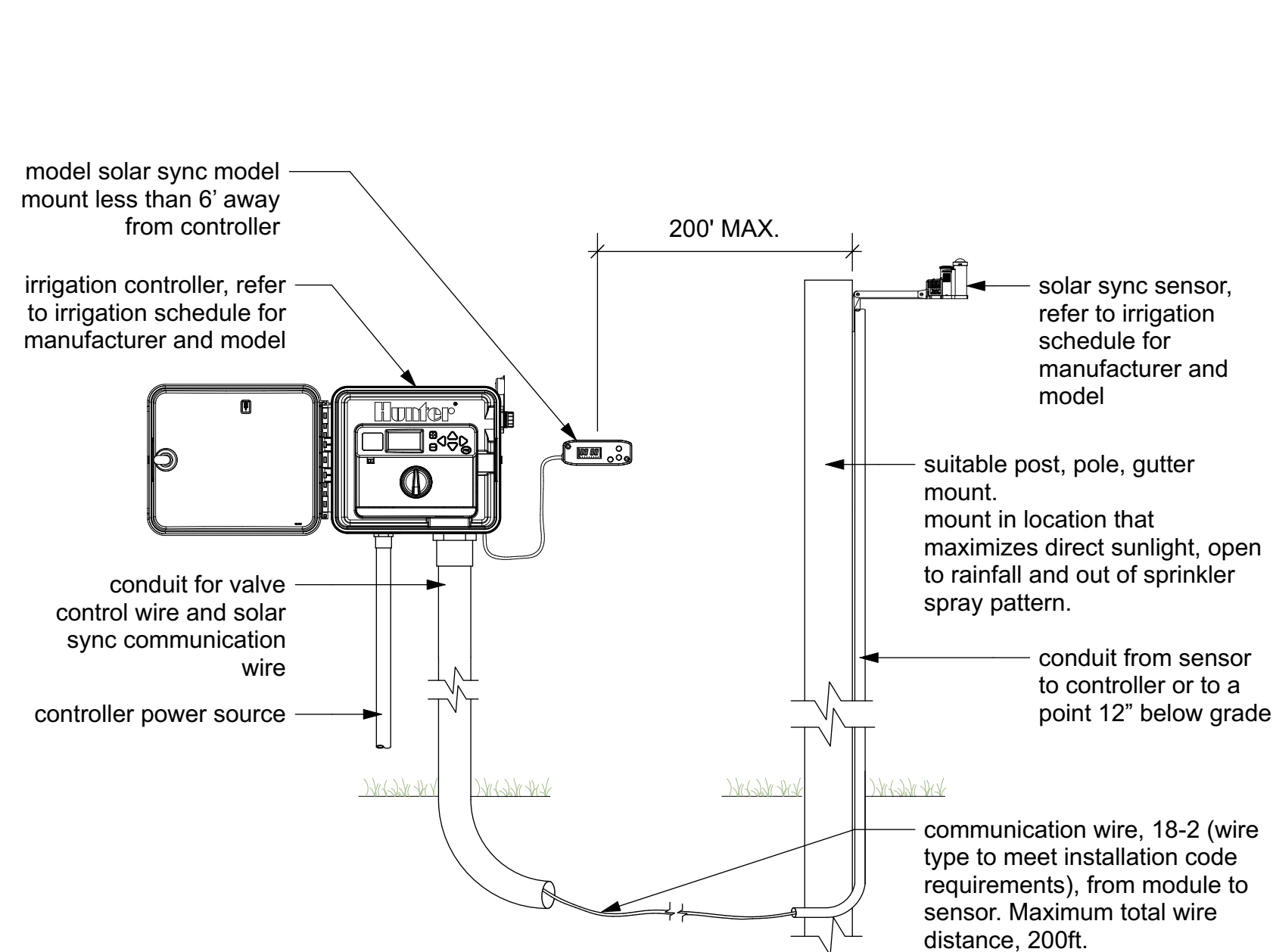
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Title:

Irrigation Details

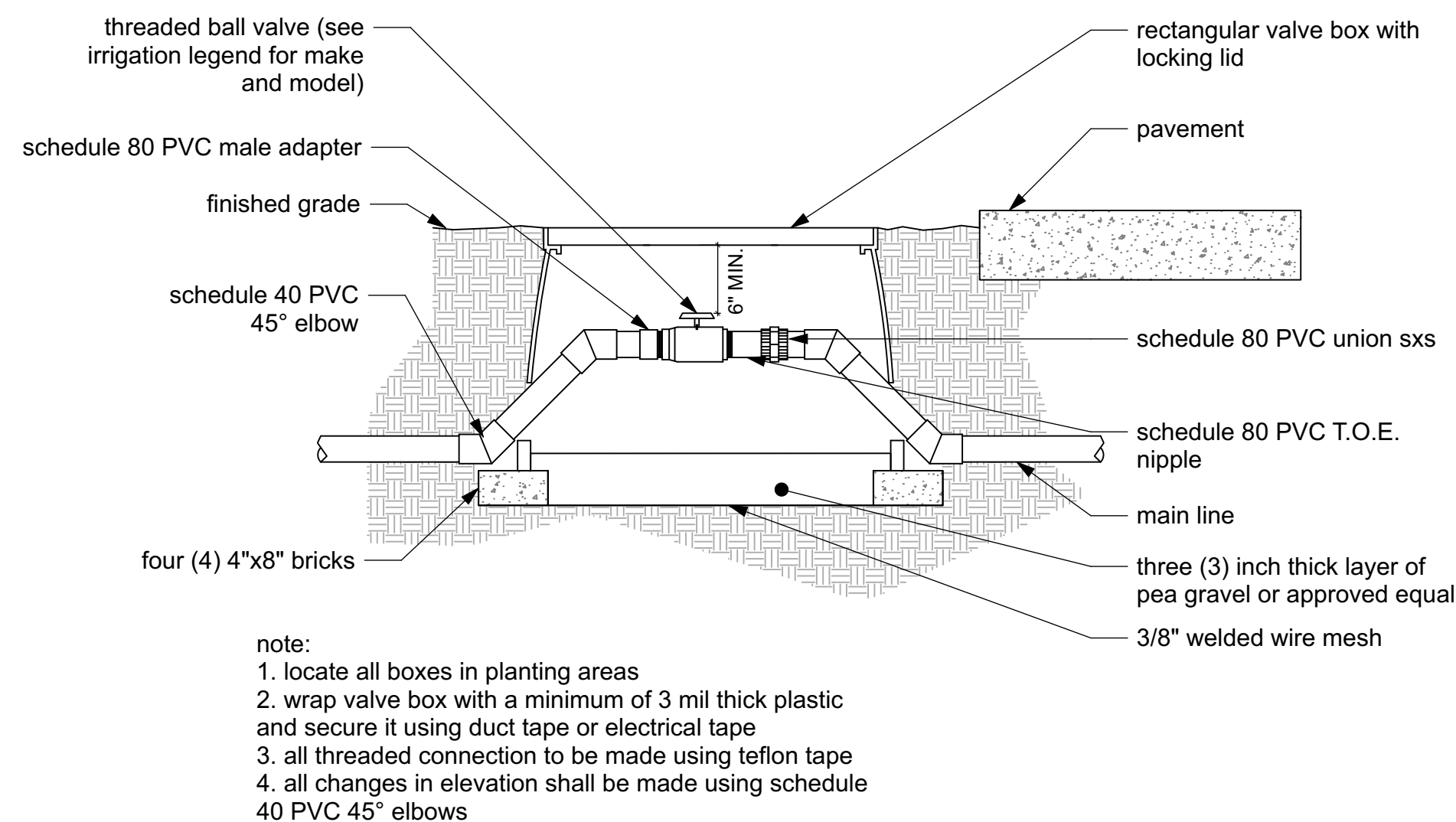
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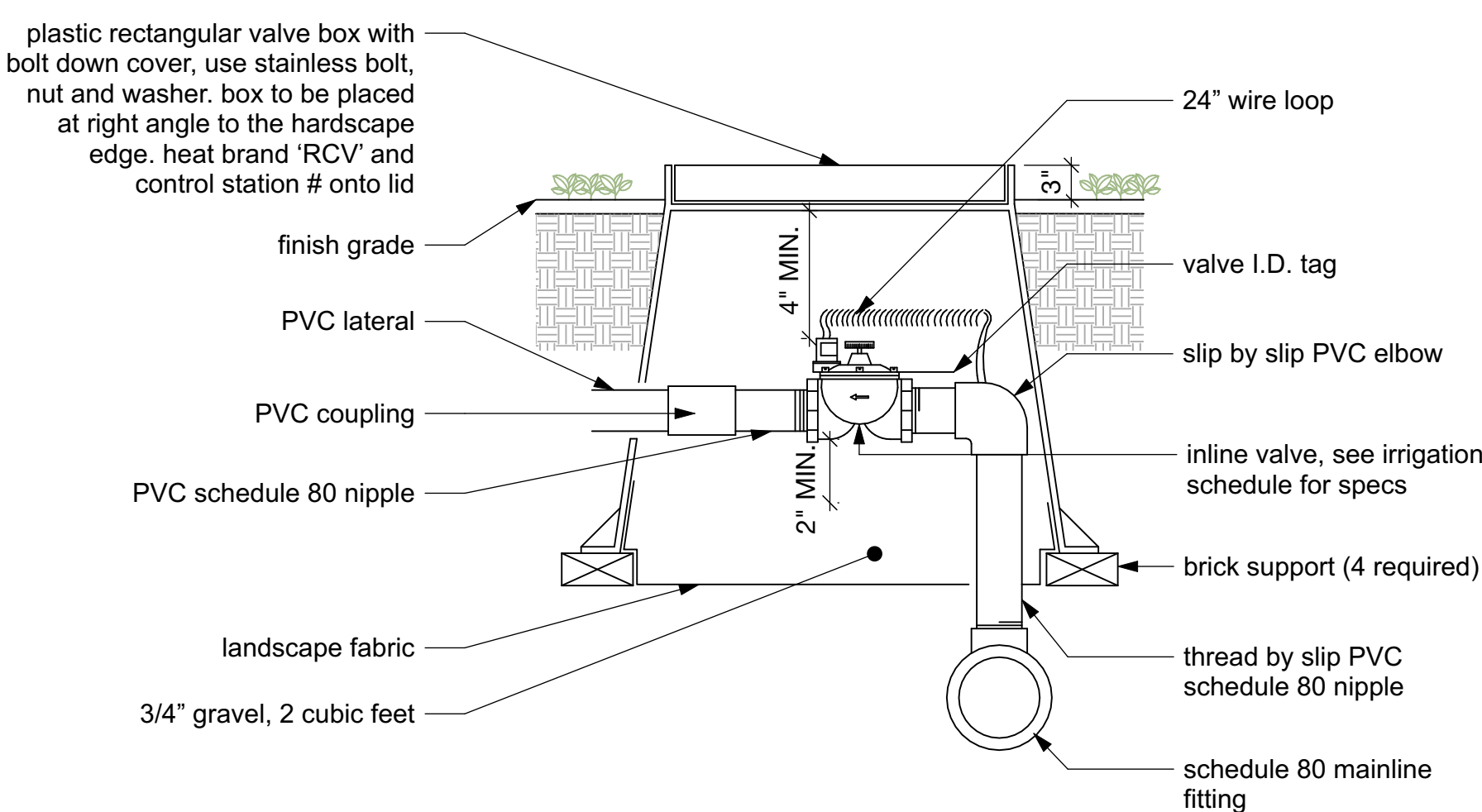
9 Controller and Weather/ Rain Combo Sensor

NTS



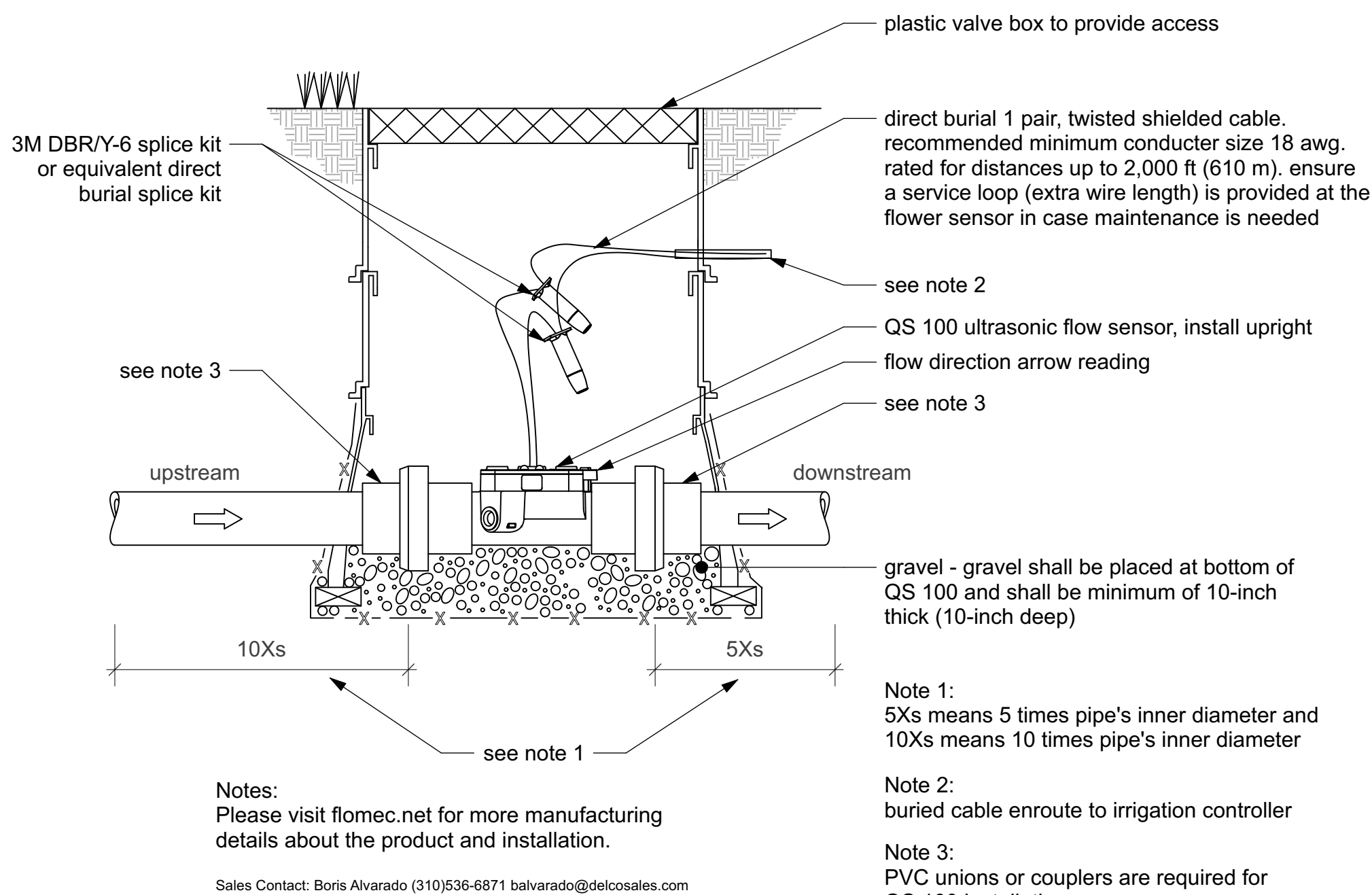
8 Ball Valve

NTS



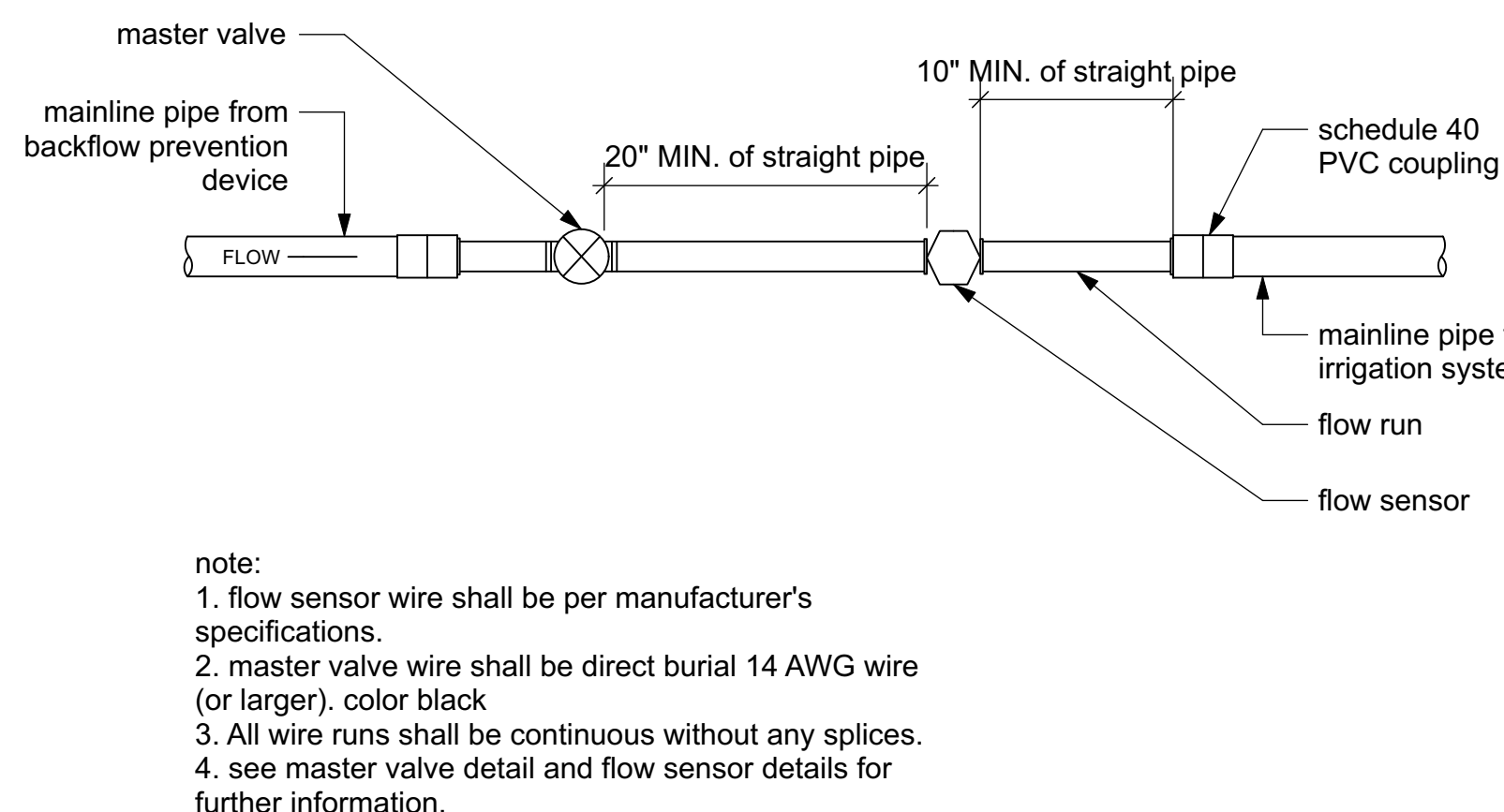
7 Remote Control Valve

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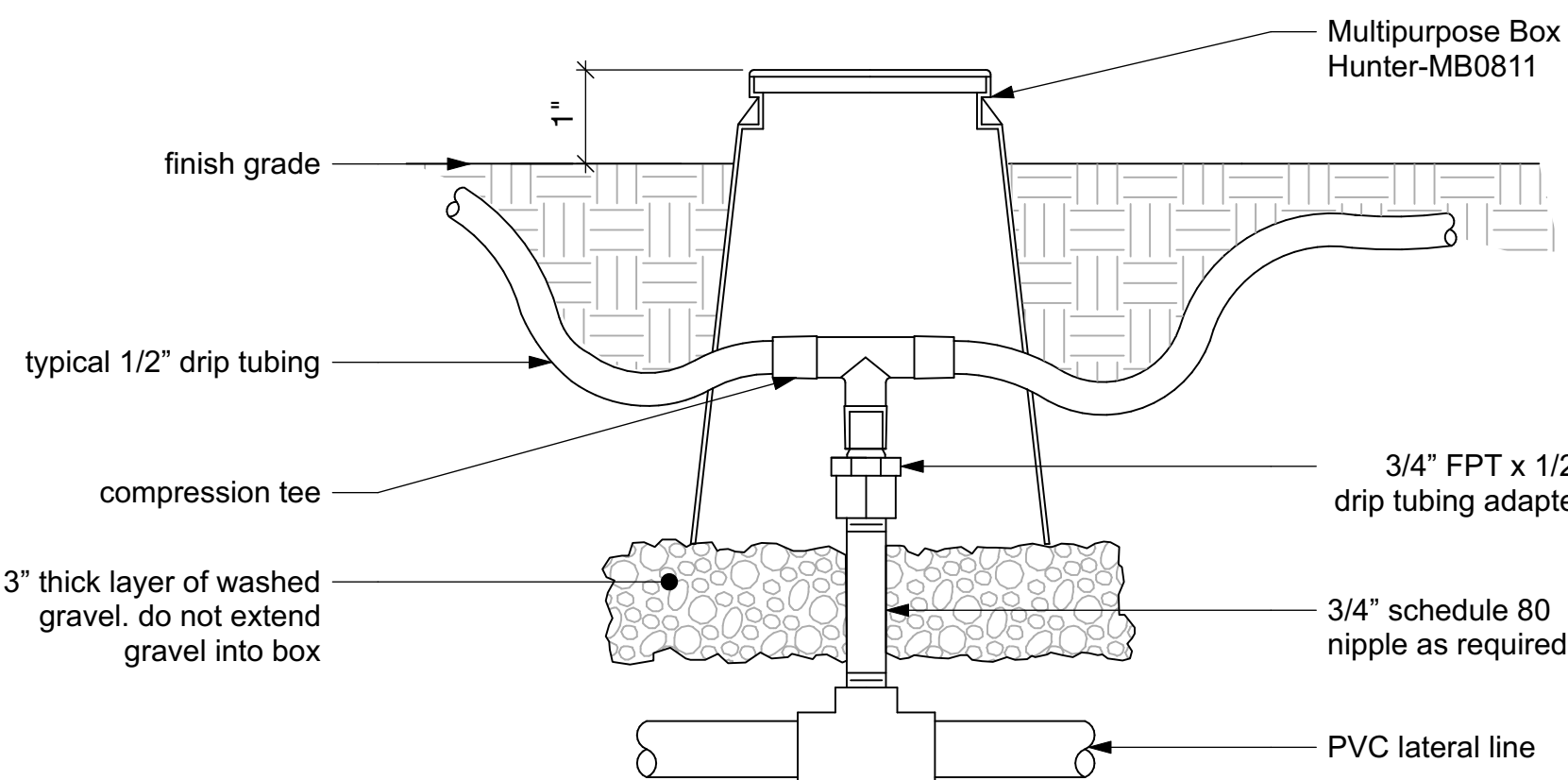
Flomec Flow Sensor Installation

NTS



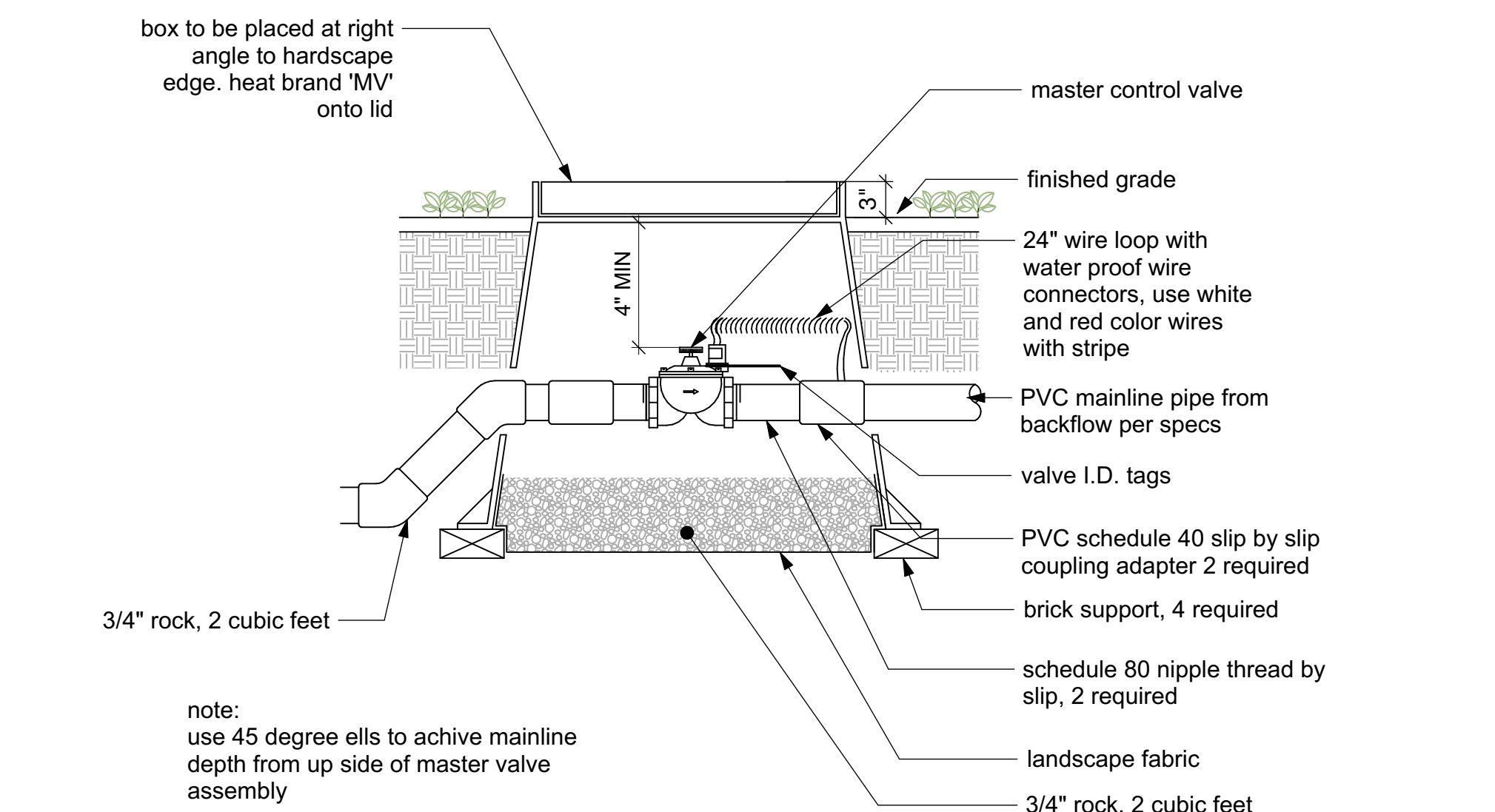
5 Master Valve and Flow Sensor Layout

NTS



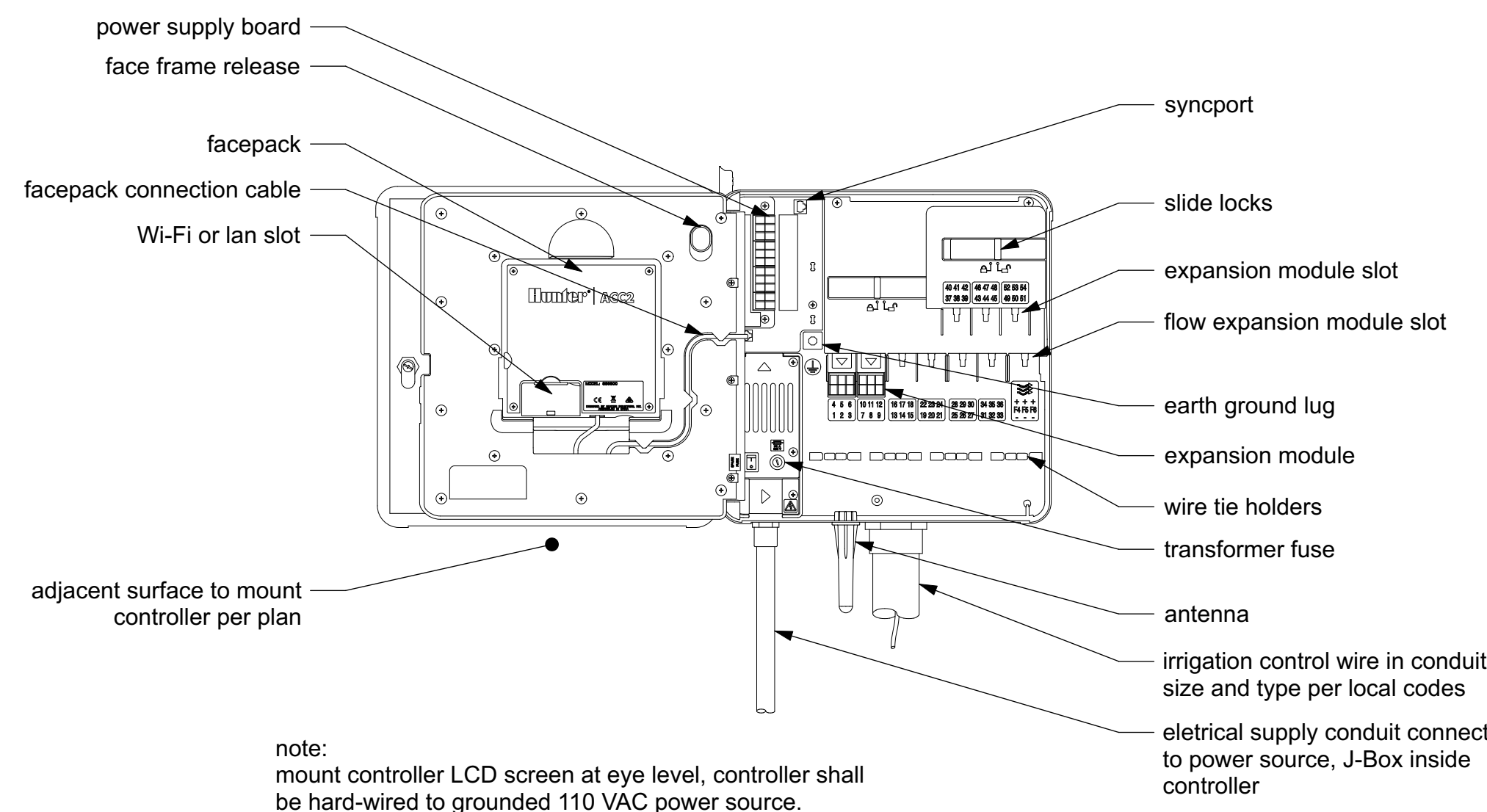
4 Sub-Surface Dripline Transition Point

NTS



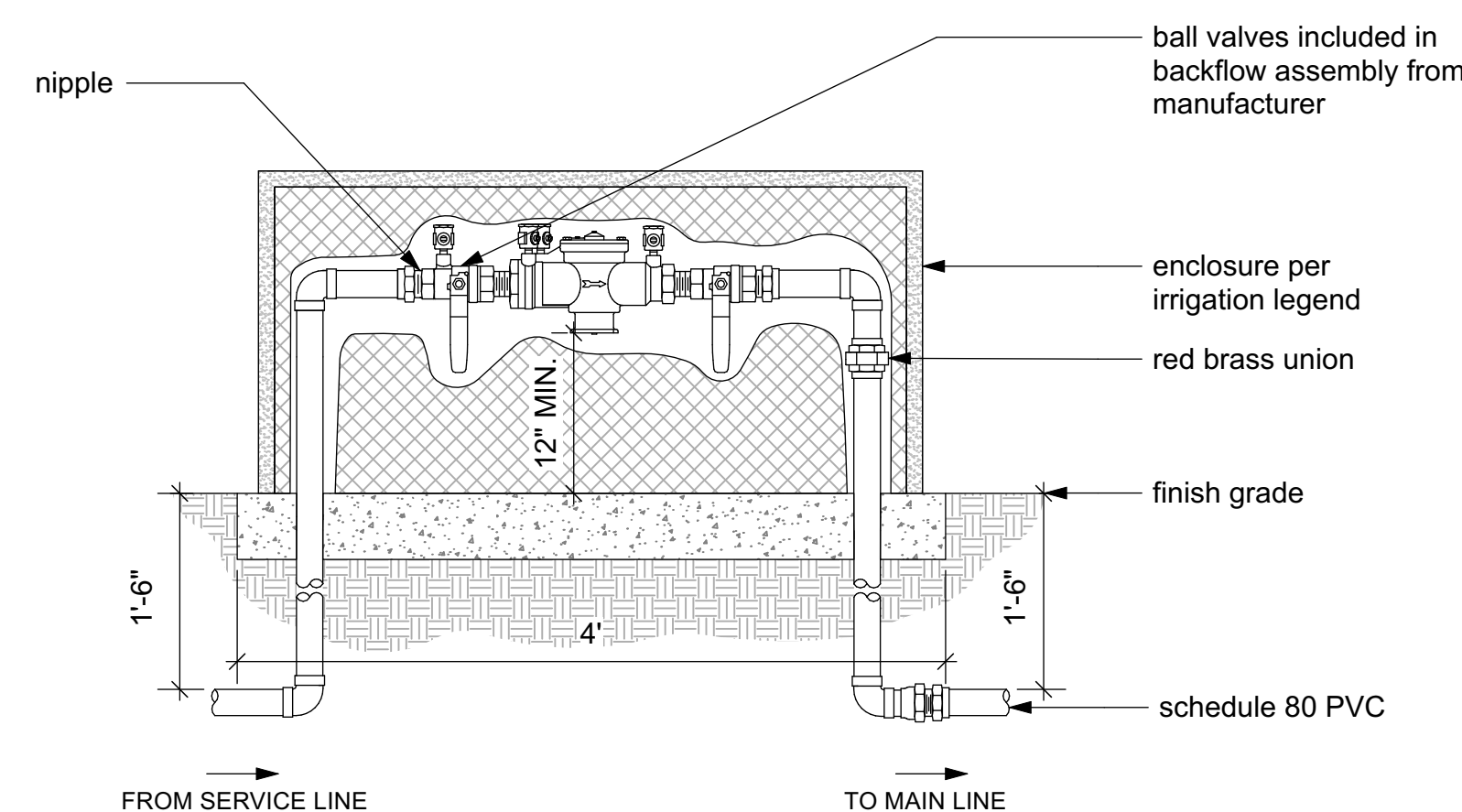
2 Master Valve

NTS



3 ACC2 Controller - Stainless Steel Wall Mount

NTS



1 Backflow

NTS



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Initial Setup Date:
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S. Colbert 03/2024

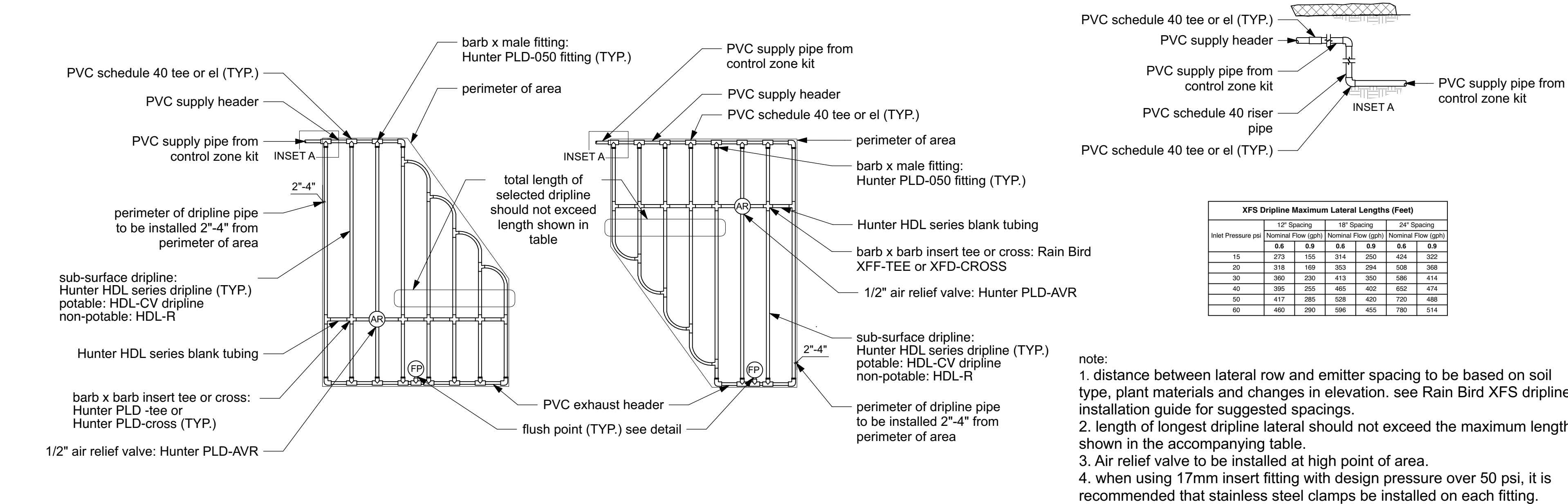
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Title:

Irrigation
Details

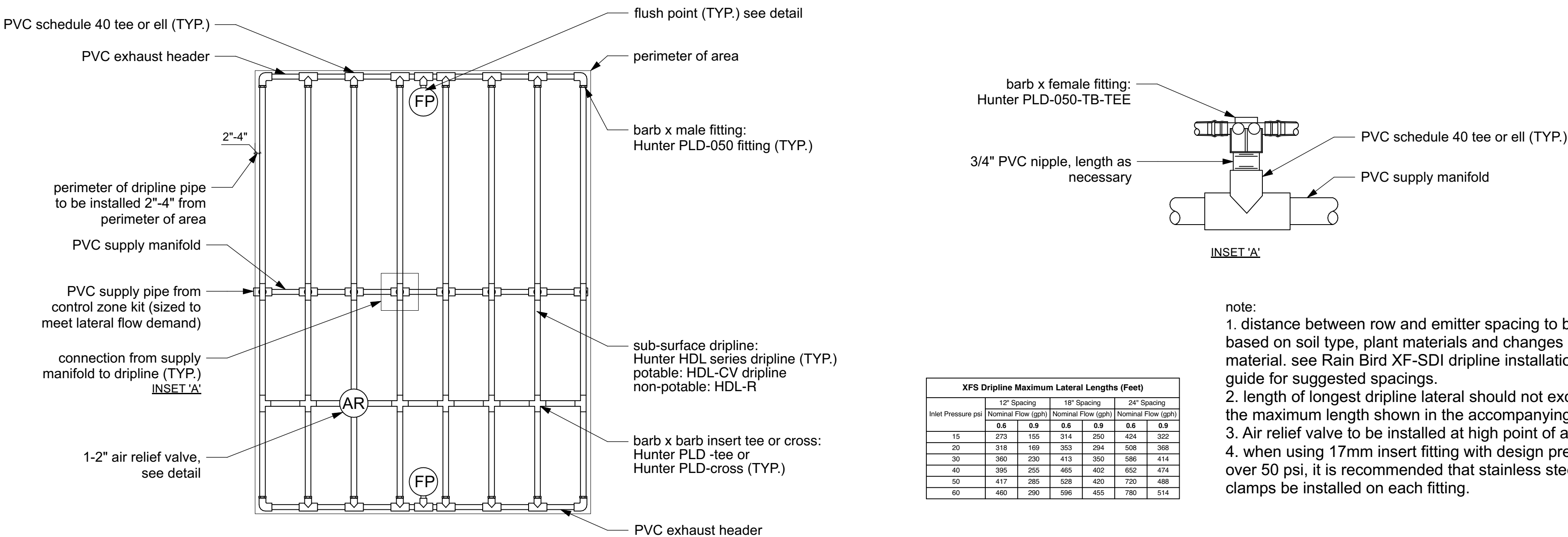
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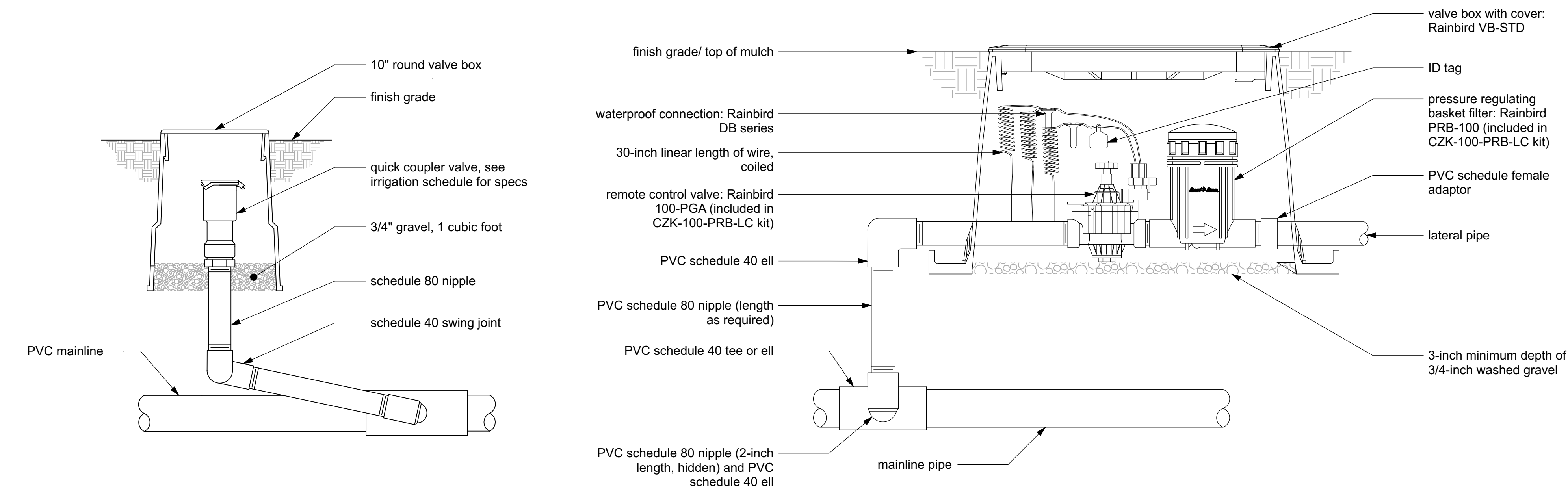
7 Irregular Sub-Surface Dripline Layout

NTS



6 Sub-Surface Dripline Center Feed Layout

NTS

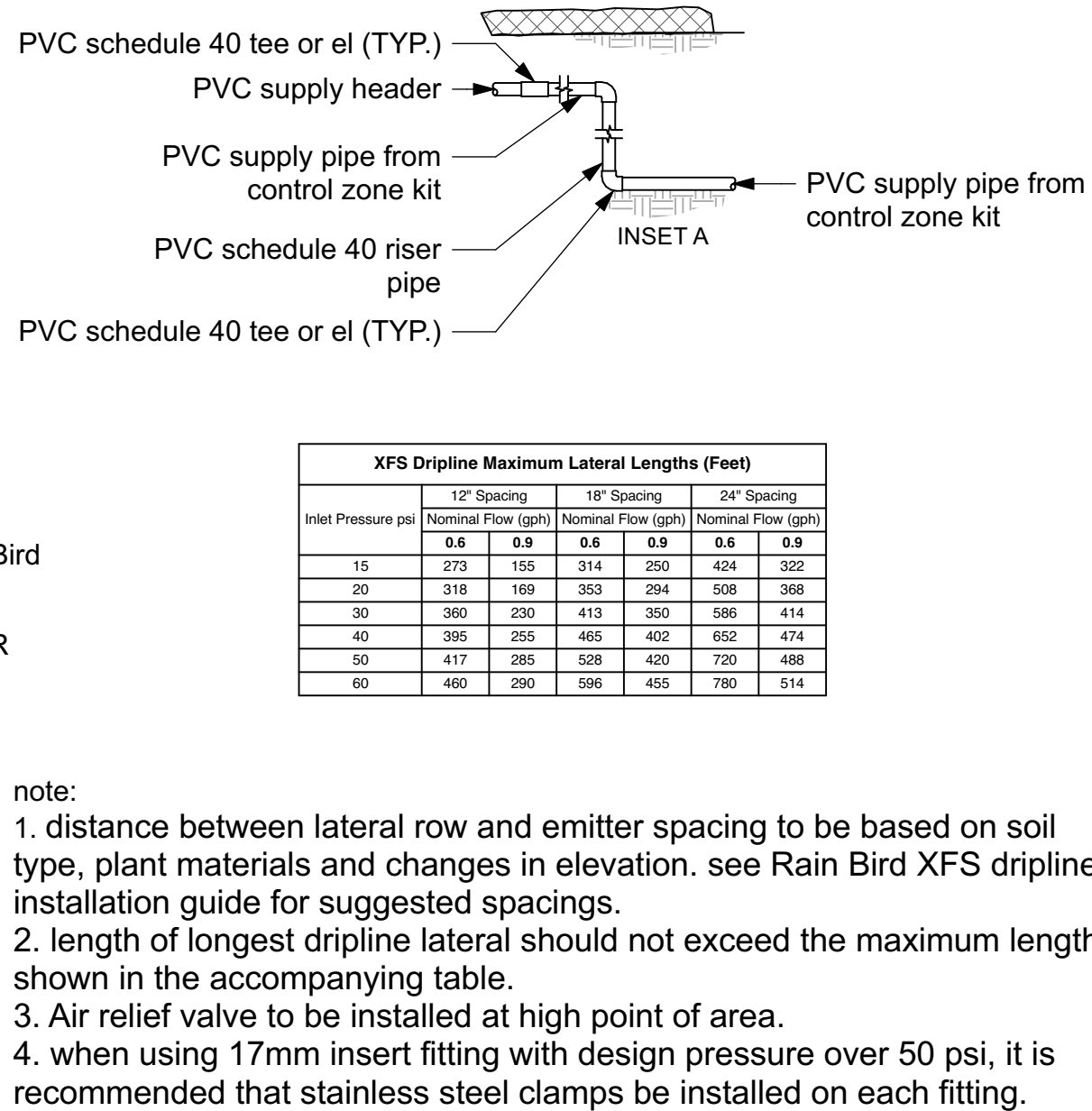


5 Quick Coupler

NTS

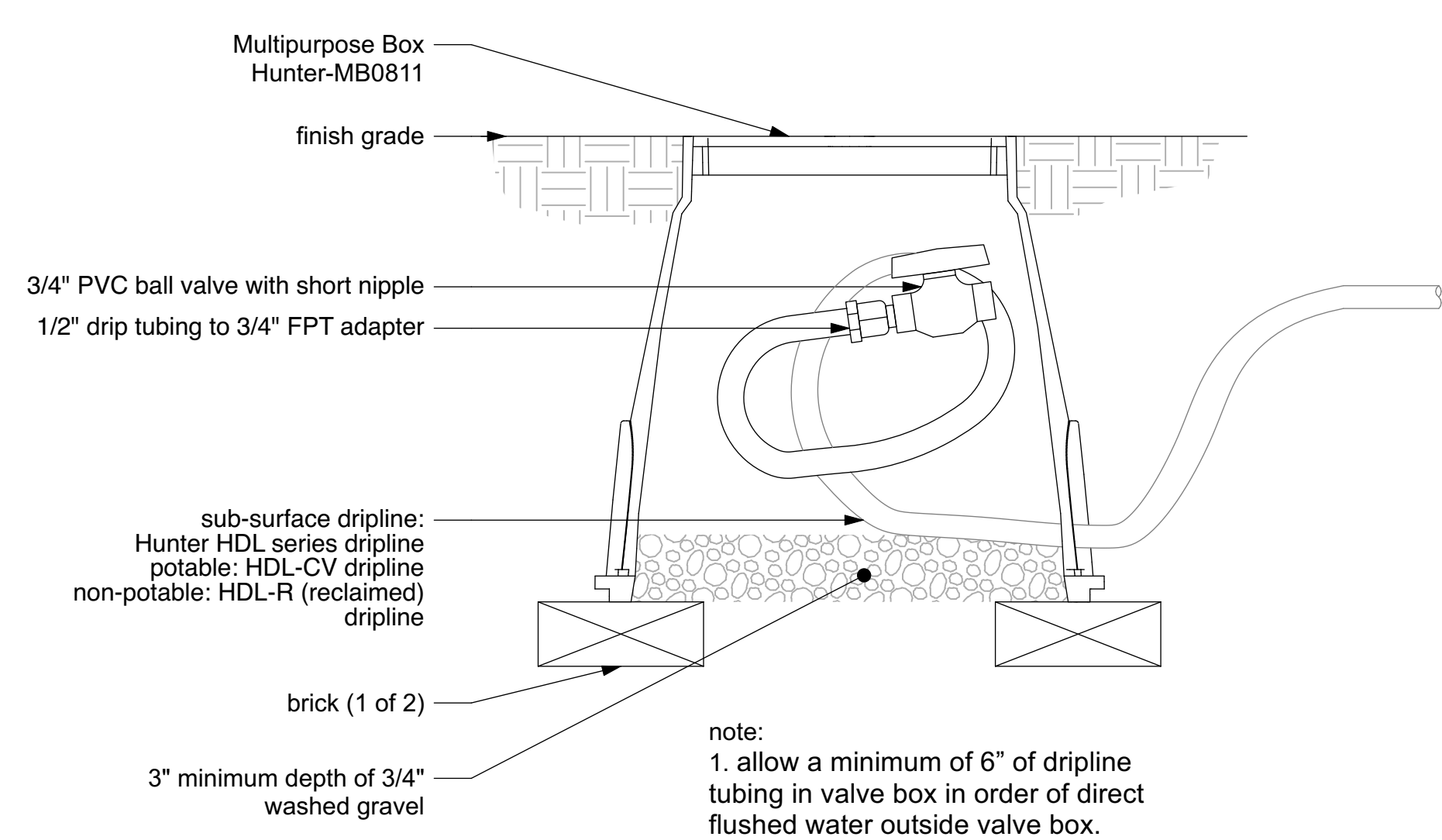
4 Commercial Control Zone Kit

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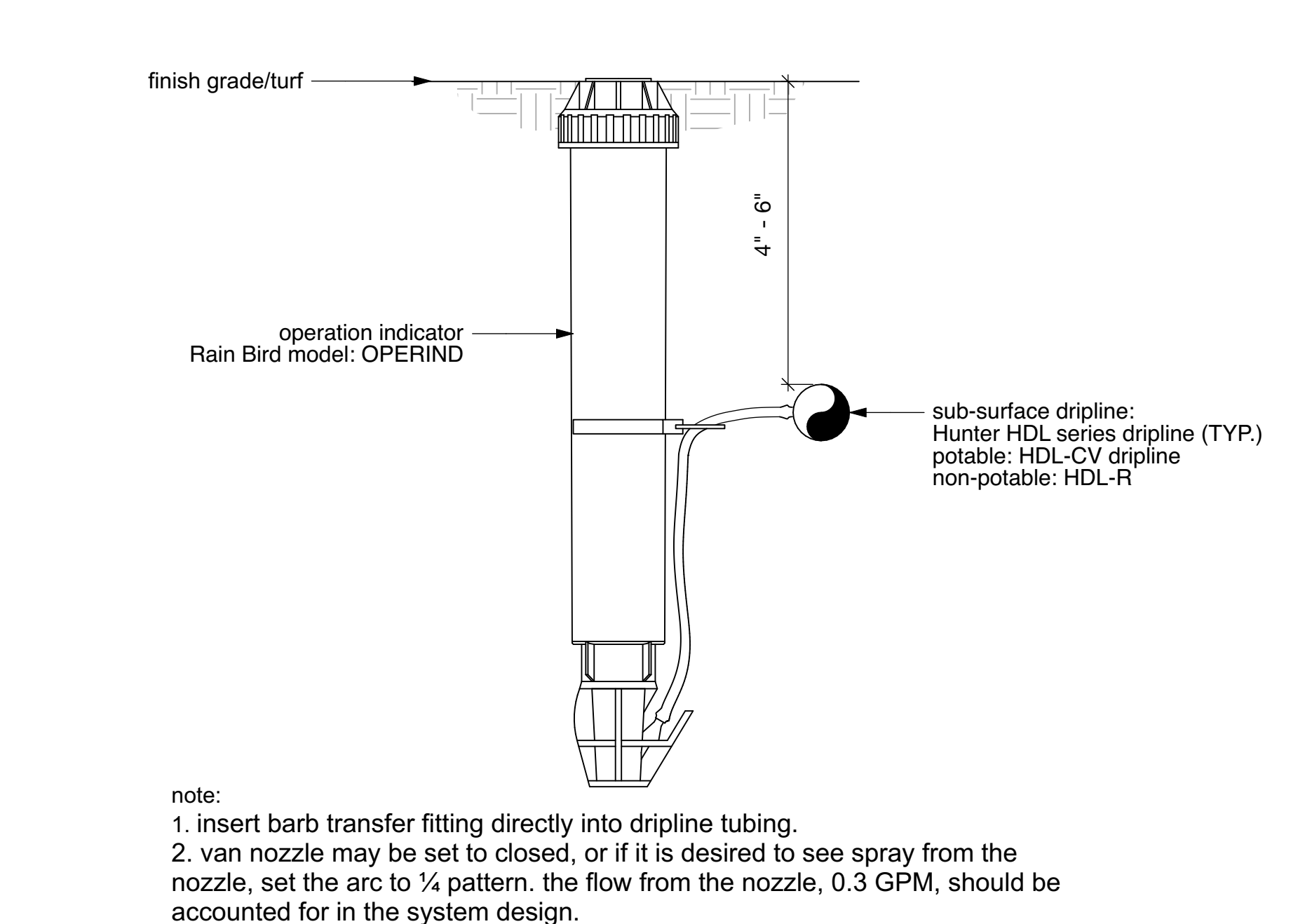
3 Sub-Surface Dripline Air Relief Valve

NTS



2 Sub-Surface Dripline Flush Point

NTS



1 Dripline Operation Indicator

NTS



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S. Colbert 03/2024

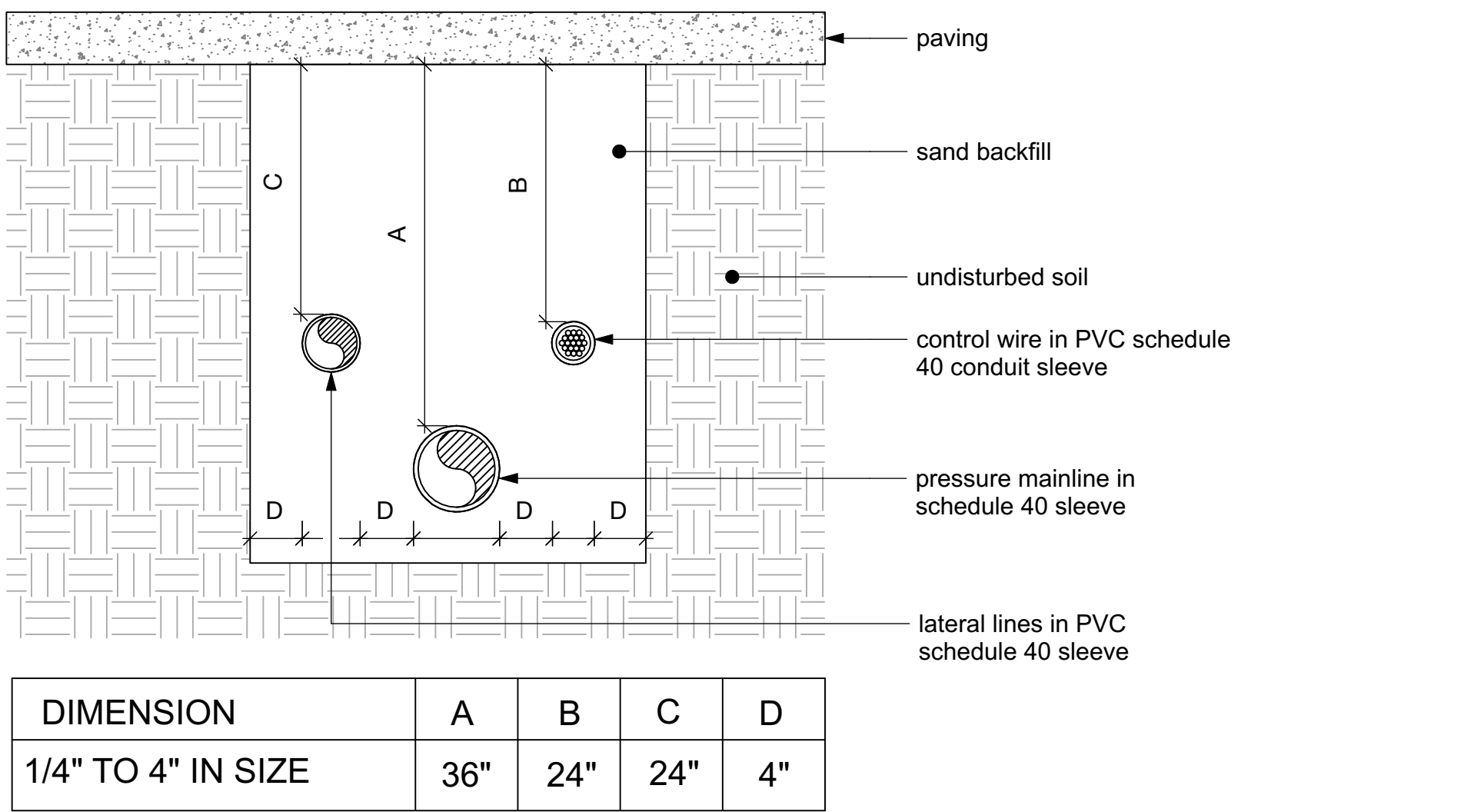
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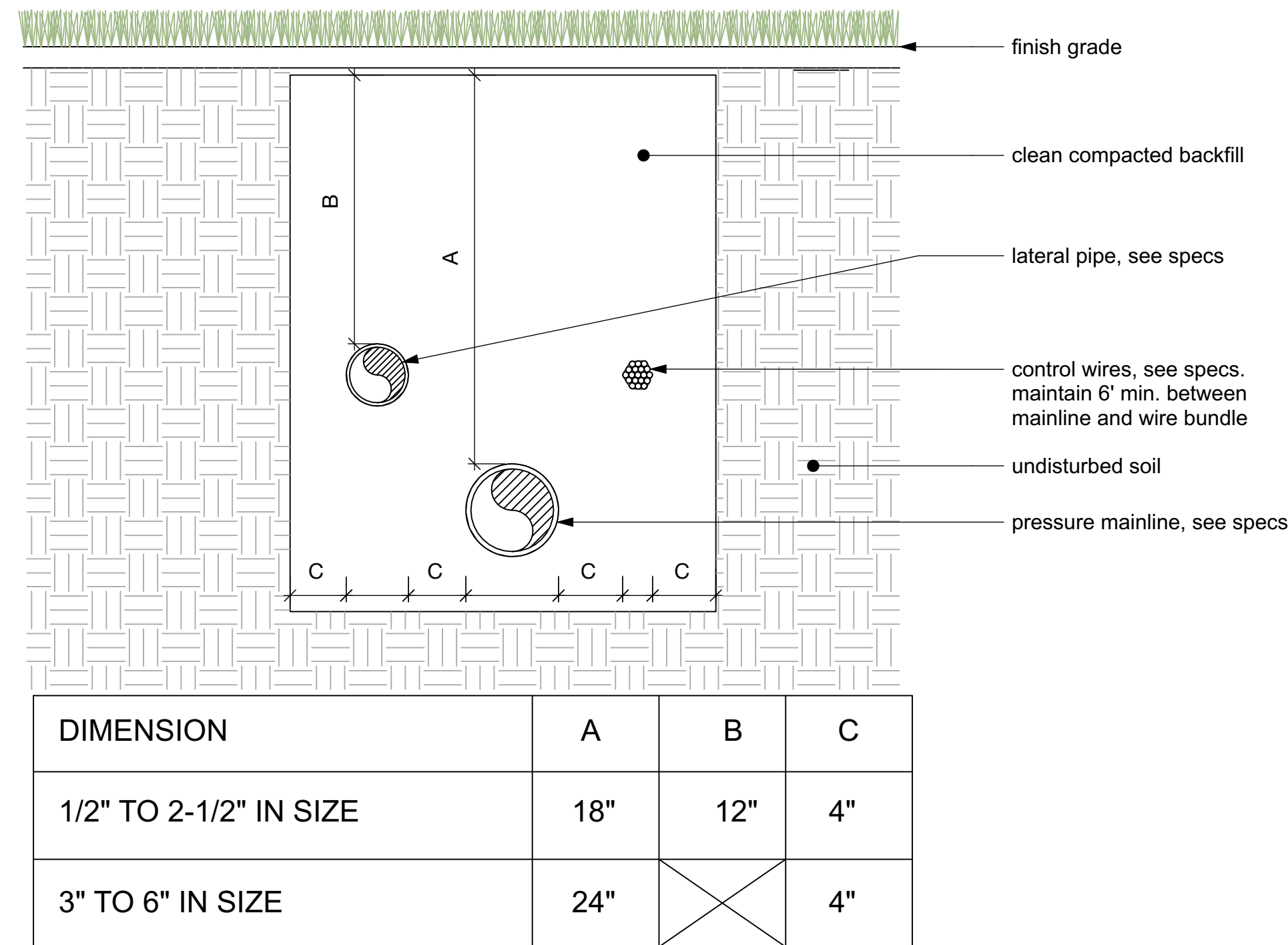
Irrigation
Details

Sheet Number:

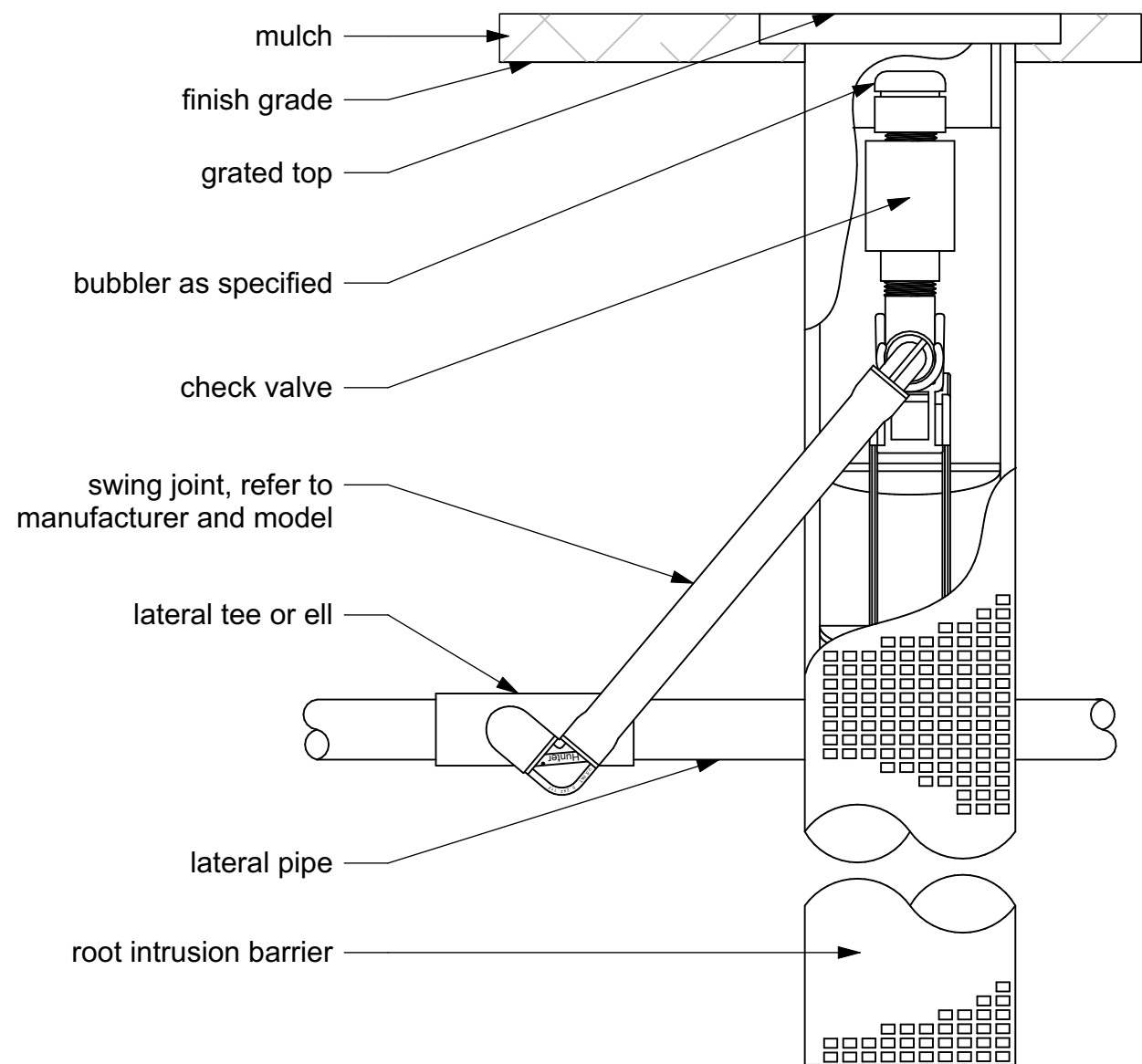
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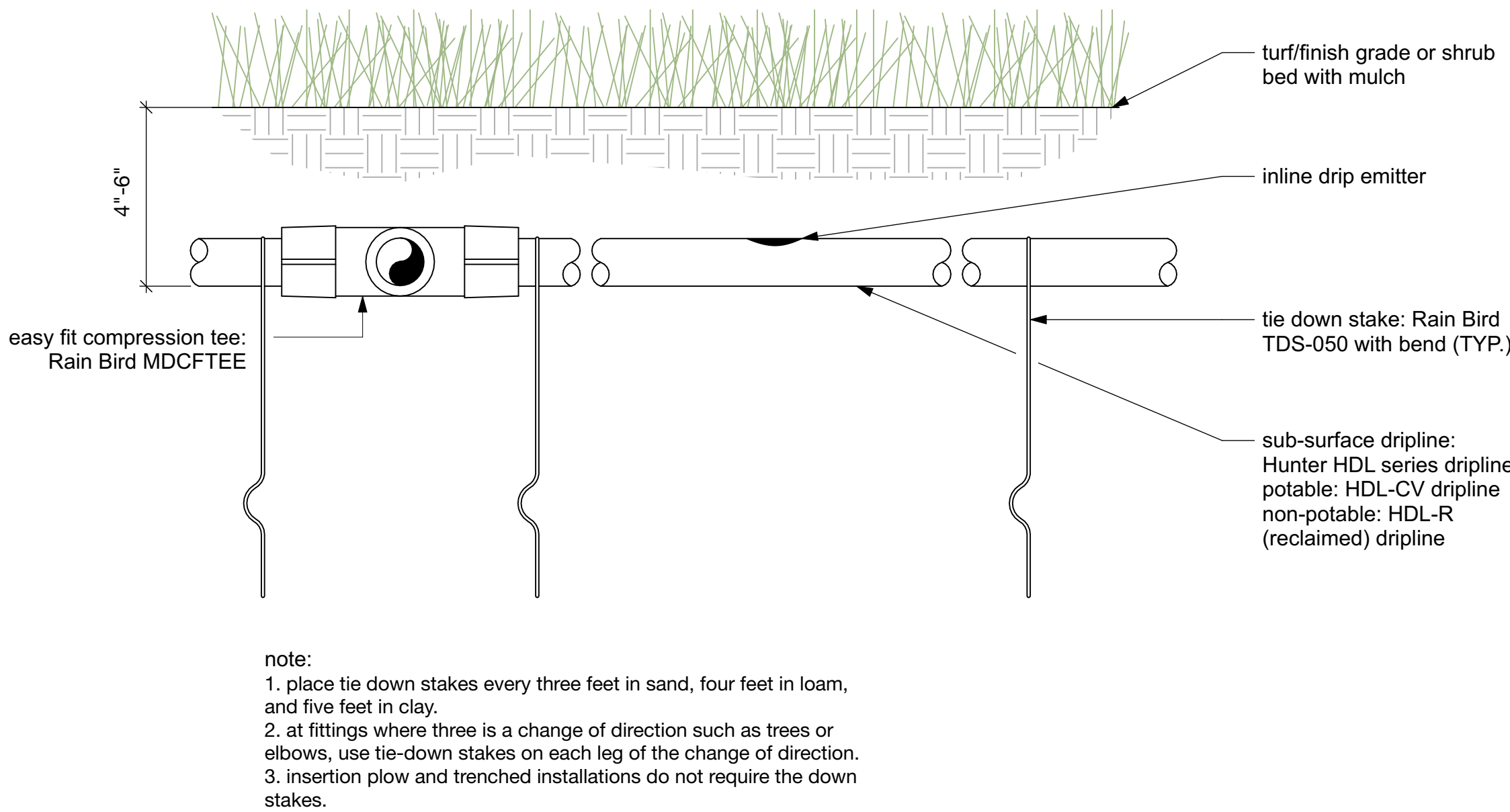
3 Sleeve Installation
NTS



2 Pipe Detail
NTS



4 Root Zone Watering System
NTS



1 Sub-Surface Dripline Burial
NTS







ORDINANCE NO. 2109, NEW SERIES

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MORGAN HILL AMENDING THE MORGANHILL BUSINESS PARK PLANNED UNIT DEVELOPMENT ZONING DISTRICT TO INCORPORATE A PRECISE DEVELOPMENT PLAN FOR THE 20.25-ACRE SITE LOCATED AT THE SOUTHEASTERLY CORNER OF COCHRANE ROAD AND BUTTERFIELD BLVD.

THE CITY COUNCIL OF THE CITY OF MORGAN HILL DOES HEREBY ORDAIN AS FOLLOWS:

- SECTION 1. AMENDING THE PLANNED UNIT DEVELOPMENT DISTRICT** established under Ordinance No. 545, New Series located on the south side of Cochrane Road between Monterey Rd. and US 101 for a 20.25-acre site located on the southeasterly corner of Cochrane Road and Butterfield Blvd. for Zoning Amendment application ZA-13-12: Cochrane-South Bay Dev. (APNS 726-32-021 and 726-25-035).
- SECTION 2. INCORPORATING THE DEVELOPMENT PLAN BY REFERENCE.** There hereby is attached hereto as Exhibit "A" and made a part of this ordinance, a precise development plan as contained in that certain series of documents date stamped June 18, 2014, on file at the Community Development Department, entitled "The Village" prepared by Kenneth Rodrigues & Partners Inc. and BKF Engineers/ Surveyors/Planners. These documents, as amended by site and architectural review, show the location and relative sizes of all proposed buildings, vehicle and pedestrian circulation ways, parking areas, landscape areas and any other purposeful uses on the project.
- SECTION 3. DESCRIPTION OF LAND IN REZONING.** There hereby is attached hereto as Exhibit "B" are the development standards for "The Village" and made a part of this ordinance which defines the development standard and land uses allowed or conditionally allowed within the boundaries of the described parcel of land.
- SECTION 4. FINDING OF CONSISTENCY WITH THE GENERAL PLAN.** The City Council hereby finds that the amendments established by this ordinance as herein described are compatible with the goals, objectives, policies and land use designation of the General Plan of the City of Morgan Hill. The development plan established by this zoning amendment will define an orderly and logical development plan and establish uses that are supportive of the surrounding development and future development permitted in the Morgan Hill Business Park PUD. The Council further finds that the proposed amendments are required in order to serve the public health, convenience and general welfare as provided by Section 18.62.070 of the Morgan Hill Municipal Code.
- SECTION 5. MITIGATED NEGATIVE DECLARATION.** The City Council hereby finds that, on the basis of the whole record before it (including the Initial Study and any comments received), there is no substantial evidence that the project will

have a significant effect on the environment and that the Mitigated Negative Declaration reflects the City Council's independent judgment and analysis, and that the Mitigated Negative Declaration was adopted prior to action taken to adopt the Ordinance. The custodian of the documents or other material which constitute the record shall be the Community Development Department.

SECTION 6. SEVERABILITY. If any part of this Ordinance is held to be invalid or inapplicable to any situation by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance or the applicability of this Ordinance to other situations.

SECTION 7. EFFECTIVE DATE; PUBLICATION. This Ordinance shall take effect thirty (30) days after the date of its adoption. The City Clerk is hereby directed to publish this ordinance pursuant to §36933 of the Government Code.

THE FOREGOING ORDINANCE WAS INTRODUCED AT A MEETING OF THE CITY COUNCIL HELD ON THE 16TH DAY OF JULY 2014, AND WAS FINALLY ADOPTED AT A MEETING OF THE CITY COUNCIL HELD ON THE 8th DAY OF AUGUST 2014, AND SAID ORDINANCE WAS DULY PASSED AND ADOPTED IN ACCORDANCE WITH LAW BY THE FOLLOWING VOTE:

AYES: COUNCILMEMBERS: Larry Carr, Rich Constantine, Marilyn Librers, Gordon Siebert, Steve Tate
NOES: COUNCILMEMBERS: None
ABSTAIN: COUNCILMEMBERS: None
ABSENT: COUNCILMEMBERS: None

ATTEST:


IRMA TORREZ, City Clerk

APPROVED:


STEVE TATE, Mayor

~ CERTIFICATION ~

I, IRMA TORREZ, CITY CLERK OF THE CITY OF MORGAN HILL, CALIFORNIA, do hereby certify that the foregoing is a true and correct copy of Ordinance No. 2109, New Series, adopted by the City Council of the City of Morgan Hill, California at its regular meeting held on the 8th day of August, 2014.

WITNESS MY HAND AND THE SEAL OF THE CITY OF MORGAN HILL.

DATE: 10/22/2014

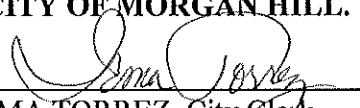

IRMA TORREZ, City Clerk

EXHIBIT A

THE VILLAGE MORGAN HILL, CALIFORNIA SOUTH BAY DEVELOPMENT KENNETH RODRIGUES & PARTNERS, INC.

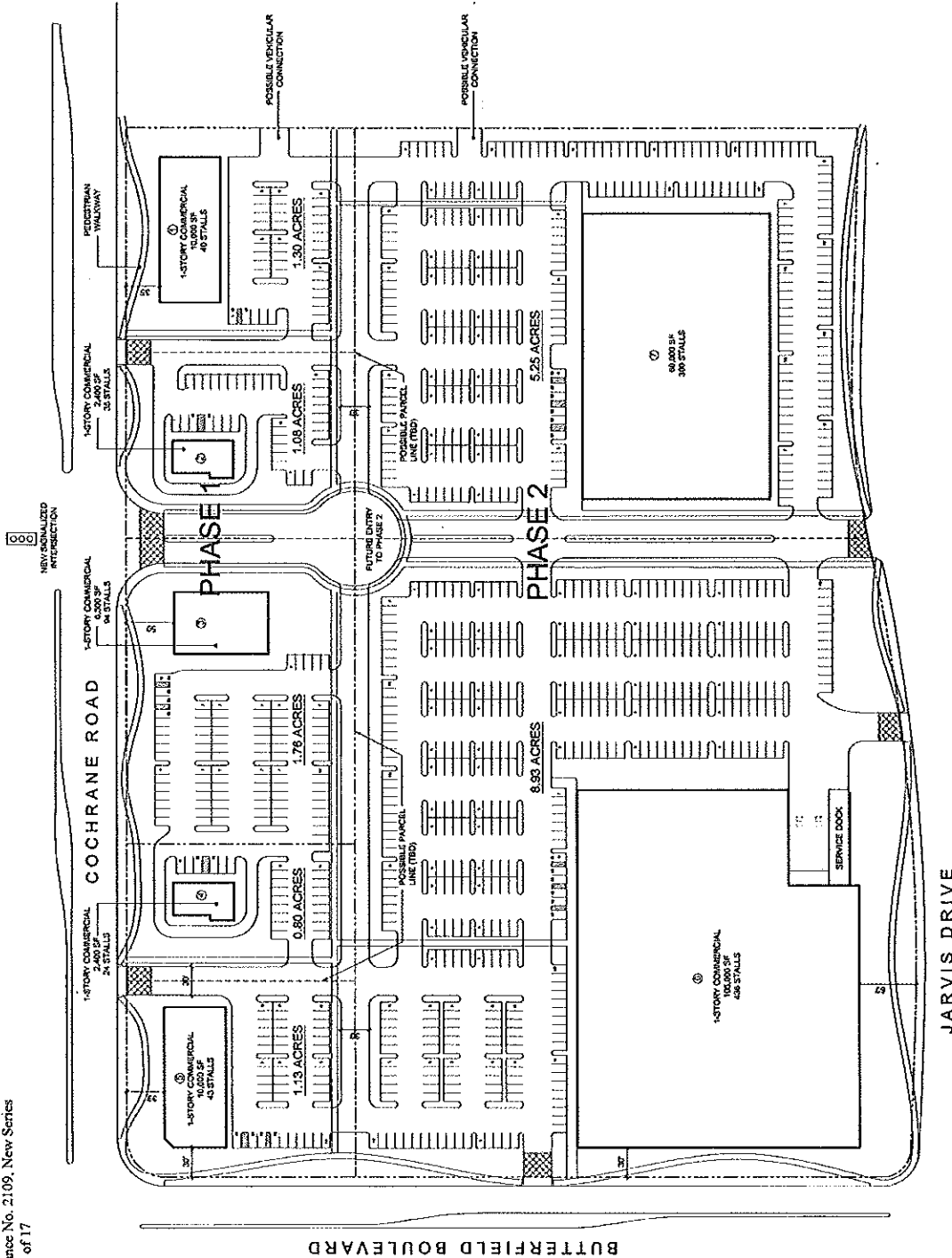
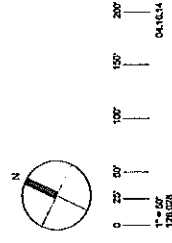
TABULATION		TOTAL SITE AREA	20.25 ACRES
PHASE 1			
SITE AREA	6.07 ACRES		
BUILDING AREA	37,300 SF		
PARKING	238 STALLS		
RATIO	7.5 / 1000		
PHASE 2			
SITE AREA	14.18 ACRES		
BUILDING AREA	165,000 SF		
PARKING	736 STALLS		
RATIO	4.5 / 1000		

DEVELOPMENT
SERVICES

JUN 18 2014

CITY OF MORGAN HILL

MASTER SITE PLAN



TENTATIVE SUBDIVISION MAP
THE VILLAGE
COMMERCIAL DEVELOPMENT
CITY OF MORGAN HILL, SANTA CLARA COUNTY, CALIFORNIA
SUBDIVISION NO.

ORDINANCE NO. _____

BENCH MARK

TOP OF WALK E' EAST OF SOUTHWEST CORNER OF BLKDC NO 37-341 AT COORANE ROAD
AND SOUTH VALLEY FREEMAN (ESTABLISHED BY MOLE & ASSOCIATES)
UTMA (7804) BM 4992, ELEVATION: 377.58' MVD09

FLOOD ZONE DATA

THIS SITE IS IN FLOOD ZONE "X"; AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD PER FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 06040400010, DATED DECEMBER 22, 1998.

NOTES

1. NON-DOLLAR RECREATIONAL FACILITIES FOR HORSES AND COWBOYS AND USE FOR VEHICLES AND FOOTBALL PASTURE AND PARKING AREAS, AS SUCH RODEOS, PARKING AREAS AND ACCESS ENTRIES TO AND FROM PUBLIC THUNDERBOLTS AS SUCH RODEOS, PARKING AREAS AND ACCESS SHALL BE GRANTED ON THE FINAL MAP FOR SUBJECT SITE FOR THE BENEFIT OF ALL LOTS.
2. NON-DOLLAR RECREATIONAL FACILITIES FOR UTILITIES SHALL BE GRANTED ON THE FINAL MAP FOR SUBJECT SITE FOR THE BENEFIT OF ALL LOTS.

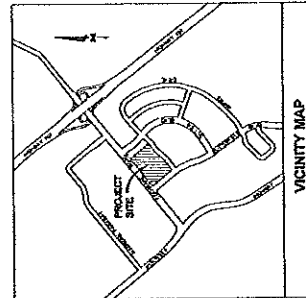
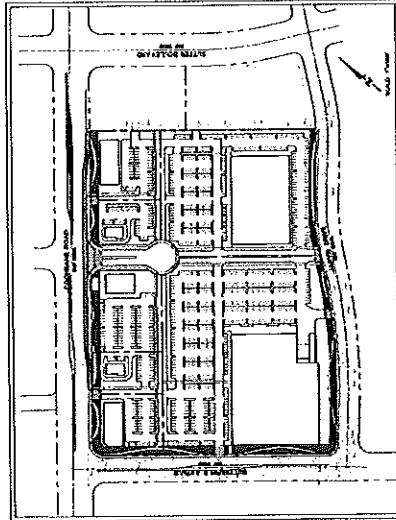


TABLE OF CONTENTS

TM1.0	Title Sheet
TM2.0	Development Map
TM2.1	Tentative Map
TM3.1-3.4	Preliminary Grading and Drainage Plan
TM4.1-4.6	Preliminary Utility Plan
TM5.0	Sections

GENERAL NOTES

CHUCK
Eastmore Road Investors, LLC
c/o South Bay Redevelopment Company
1090 Del Avenue
Compton, CA 92508
(408) 436-3631
ATTN: David Andrie

STUBBINS
Cochrane Road Investors, LLC
c/o South Bay Redevelopment Company
1650 Dod Avenue
Camden, CA 95008
(408) 430-3631
Attn: David Anders

ENGINEER
DRT Engineers
1625 Technology Drive, Suite 650
San Jose, CA 95110
Phone - (408) 462-9100
Fax - (408) 467-9199
Attn: Michael W. Butler, R.C.E. 25894

PROPERTY DESCRIPTION	APN 710-20-030 & 710-21-001
EXISTING LAND USE	Vacant
PROPOSED LAND USE	Commercial

PROPOSED ZONING:	PUD - Planned Unit Development District
WATER SUPPLY	City of Morgan Hill
NO. OF LOTS:	7
TOTAL ACREAGE:	20.42 Ac.
PUBLIC DEDICATION (FUTURE):	0.10 Ac.
NET ACREAGE:	20.34 Ac.

TENTATIVE MAP
THE VILLAGE
TITLE SHEET
SANTA CLARA COUNTY

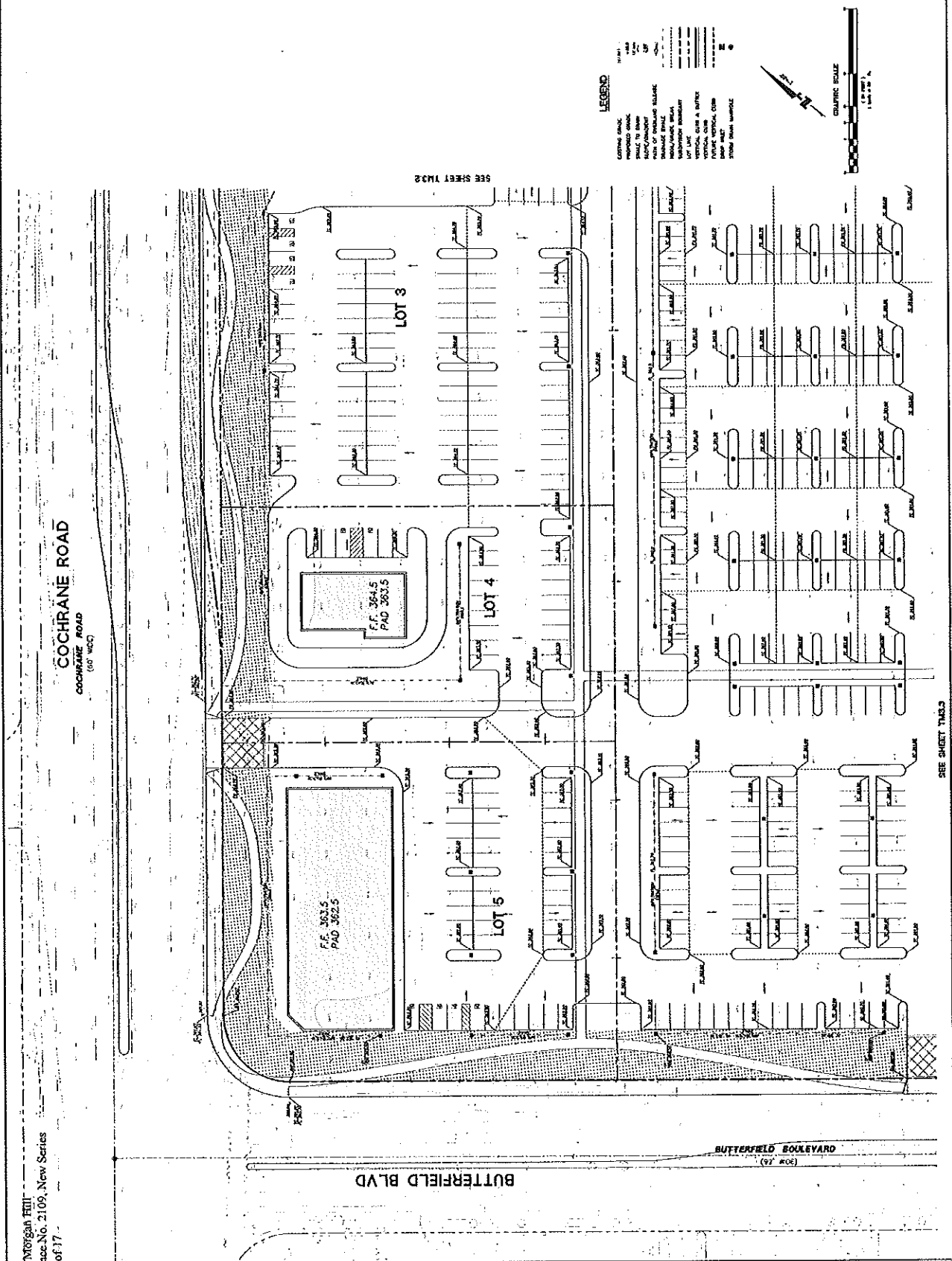
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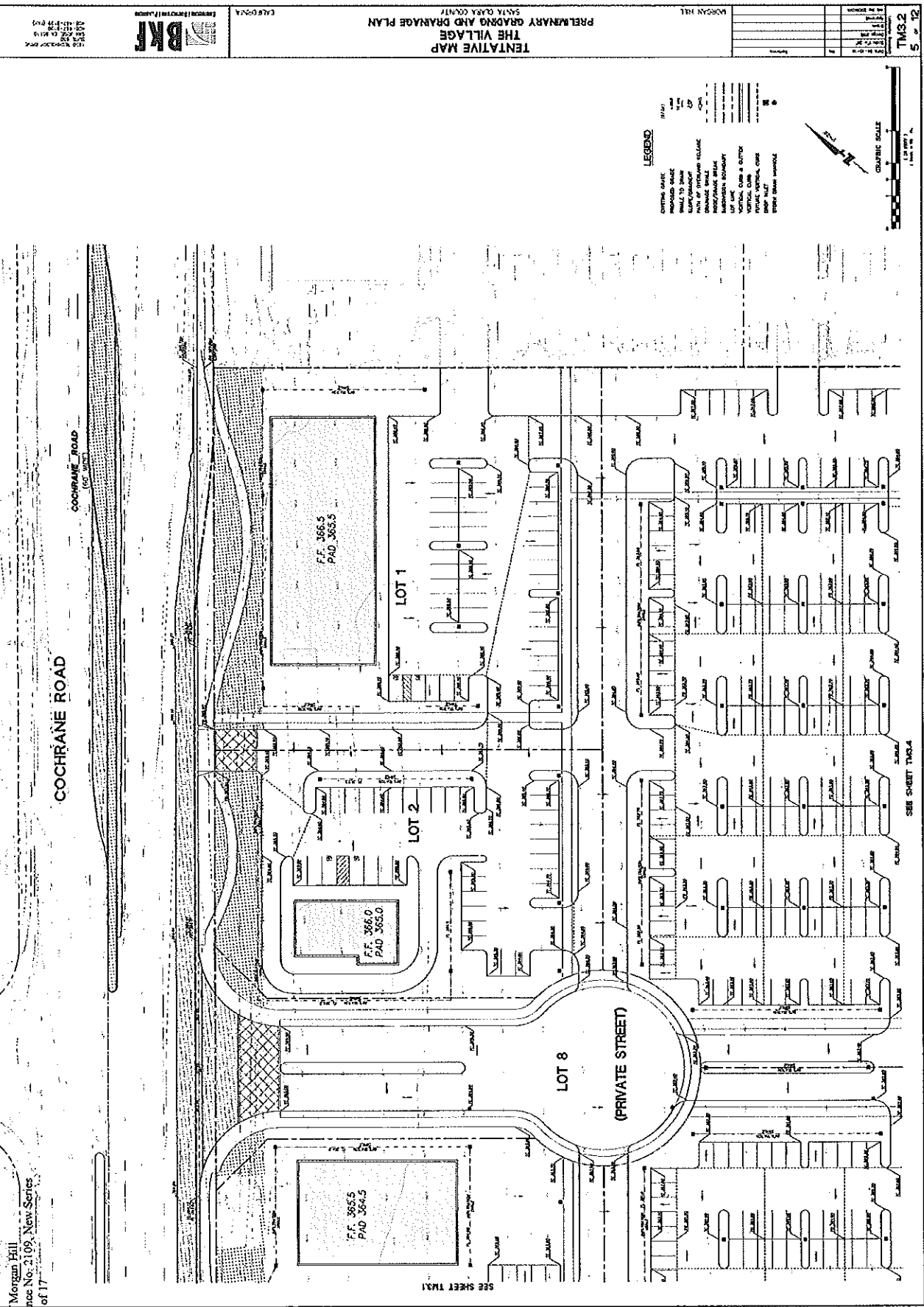
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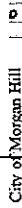


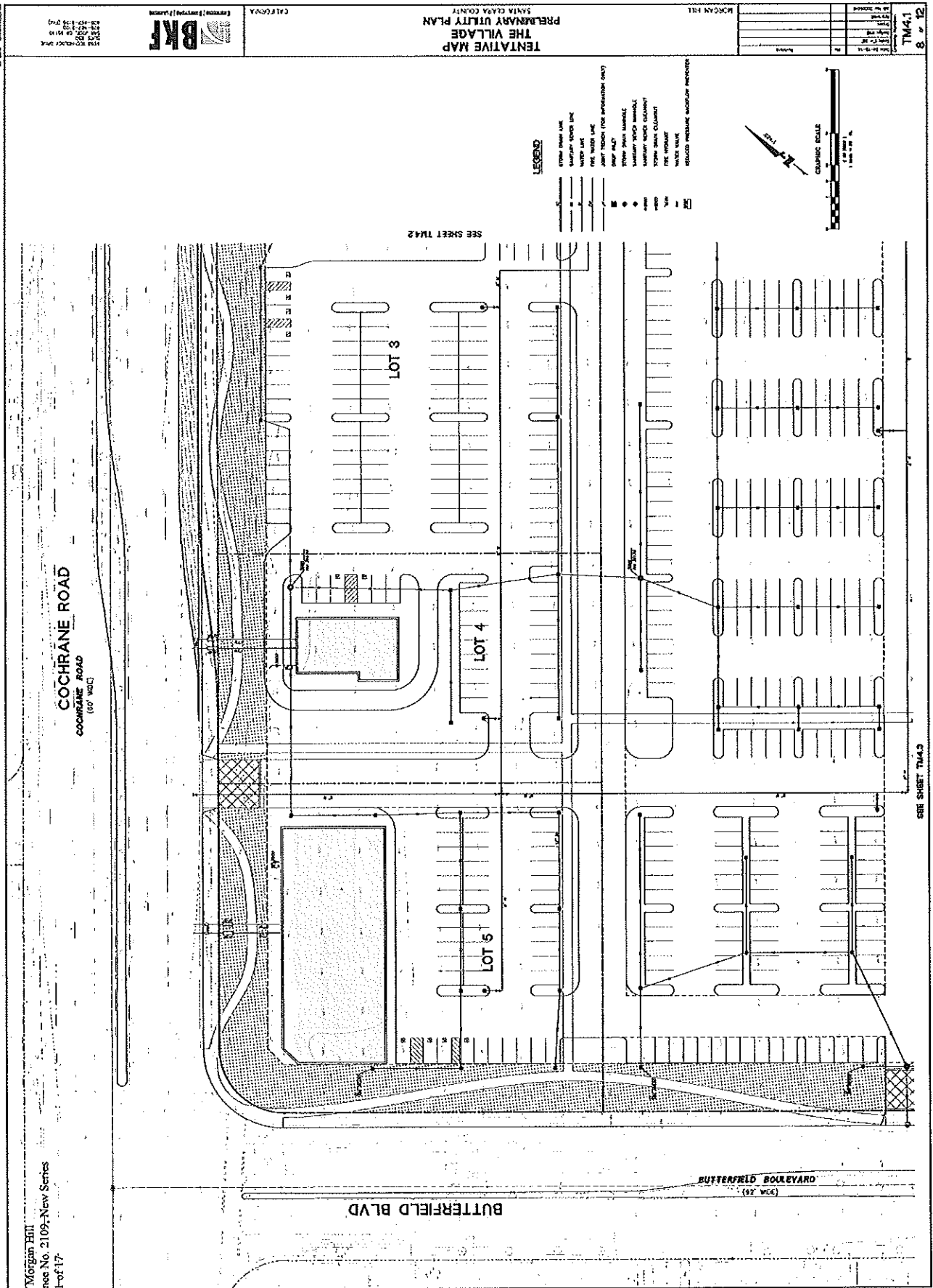
CITICORP

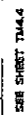
TMLO
1 x 12











SEE SHEET TMA.1

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6618-858-508
6618-858-508
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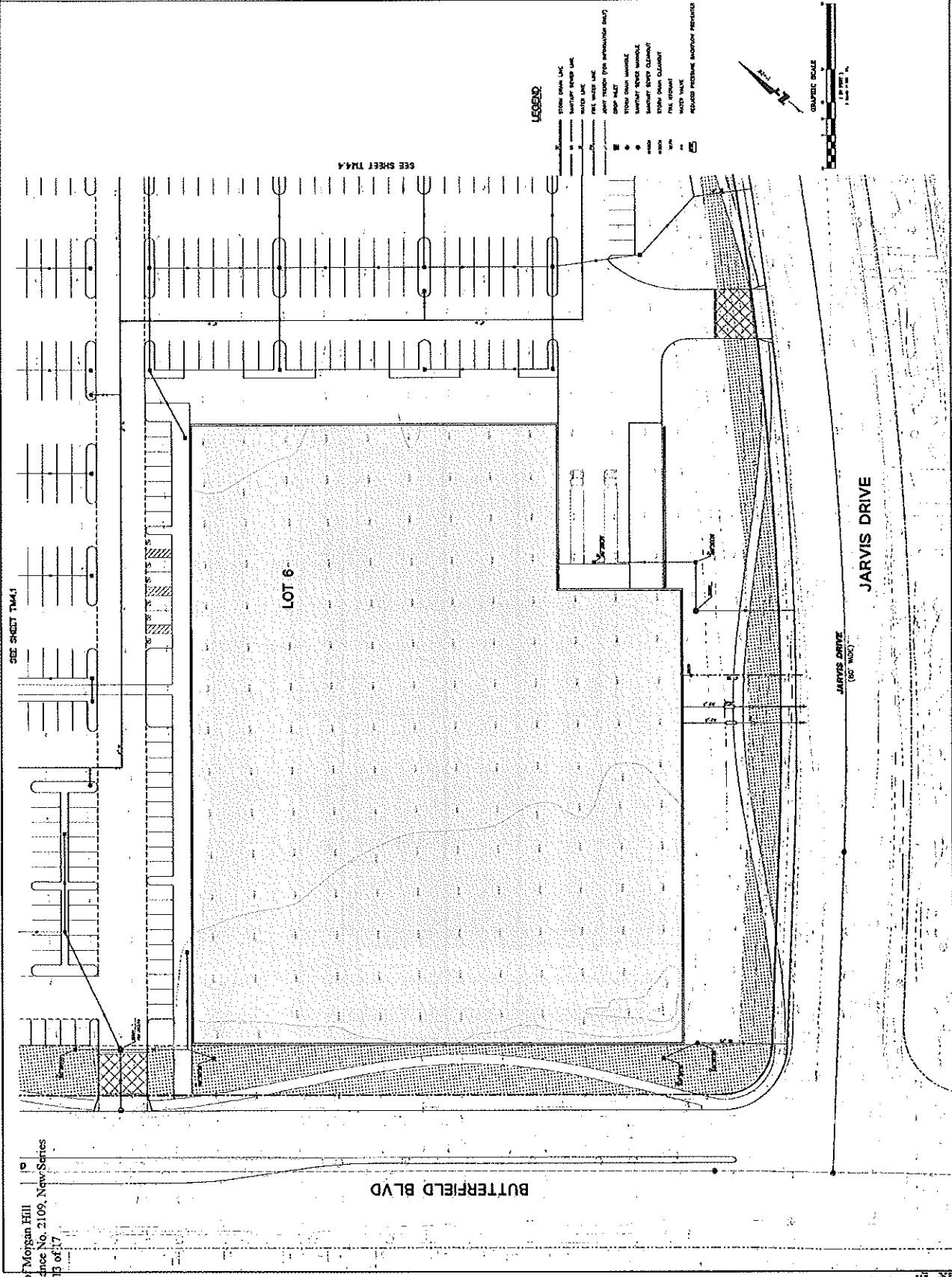


CA 00000000

**TENTATIVE MAP
THE VILLAGE
PRELIMINARY UTILITY PLAN
SANTA CLARA COUNTY**

THE INVENTOR

TM4.3
10 - 12



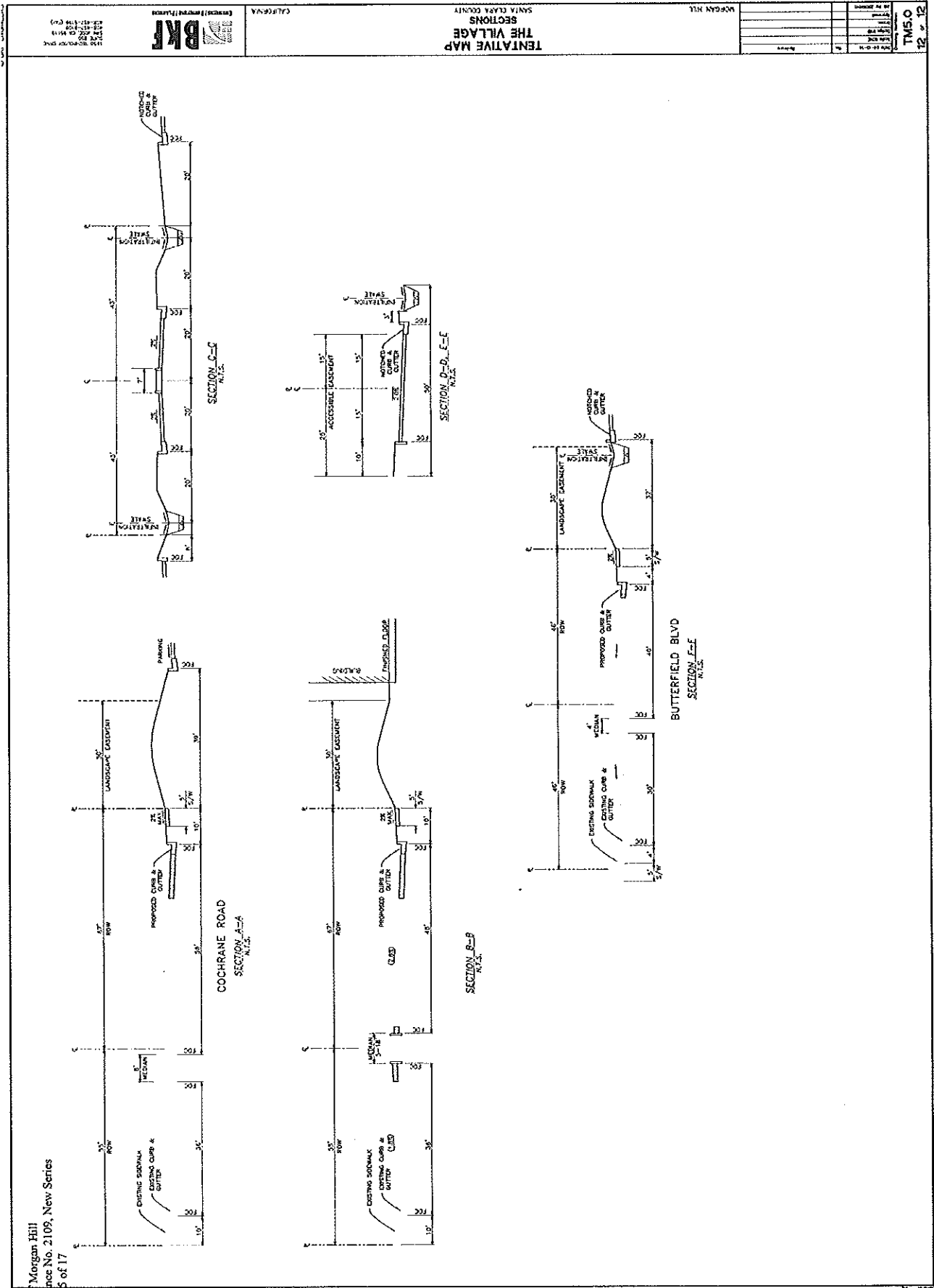


Exhibit B

Morgan Hill Business Ranch

“The Village” PUD Development Standards

PUD Location:

The 20-acre “The Village” is located in the southeast quadrant of Butterfield Blvd. and Cochrane Rd., and bound by Jarvis Dr. to the south. APN’s 726-25-035 & 726-32-021

PUD Objective:

The objective of planned development is to create and maintain a broad range of general office, medical office, light R & D and retail uses that would be supportive of the surrounding businesses, residential uses and the residents of the City of Morgan Hill.

Site development standards:

- A. Maximum building size shall be per the approved Precise Development Plan
- B. Building location shall be per the approved Precise Development Plan
- C. Building setbacks shall be per the approved Precise Development Plan
- D. Maximum building height: 50 ft.
- E. Any subdivision must be consistent with the approved Precise Development Plan

The following uses as defined in Chapter 18.04 of the Morgan Hill Municipal Code shall be permitted within The Village precise development boundary:

Permitted Uses:

- A. Business support services;
- B. Commercial Services;
- C. Commercial recreation, indoor, 3000 sq. ft. or less in size;
- D. Drive –through restaurant (maximum of two);
- E. Financial services;
- F. Home Improvement Center;
- G. Hotel/motel/lodging facilities;
- H. Offices, Medical/Dental;
- I. Offices, Administrative;
- J. Offices, Professional;
- K. Personal Services;
- L. Research and development;
- M. Restaurants, sit-down and fast food;
- N. Retail, intensive (excluding convenience or specialty markets);

Permitted Uses shall be defined in accordance with Morgan Hill Municipal Code section 18.04. Uses not specifically listed may be found to be consistent in nature with other listed permitted uses in accordance with Municipal Code chapter 18.22.

Page 17 of 17
The following uses as defined in Chapter 18.04 of the Morgan Hill Municipal Code may be conditionally allowed in The Village precise development boundary, subject to issuance of a conditional use permit in accordance with Chapter 18.54 of the Morgan Hill Municipal Code:

Conditional Uses

- A. Commercial recreation, indoor, greater than 3000 sq. ft. in size;
- B. Congregate care for the elderly/assisted living facilities;
- C. Convenience markets & specialty markets;
- D. Day care centers and nursery school;
- E. Day care centers, Adult;
- F. Drive-in or drive through restaurant uses (beyond the 2 permitted);
- G. Kennel;
- H. Minor motor vehicle repair;
- I. Nursing home or convalescent hospital;
- J. Service station

Conditionals Uses shall be defined in accordance with Morgan Hill Municipal Code section 18.04. Uses not specifically listed may be found to be consistent in nature with other listed permitted or conditional uses in accordance with Municipal Code chapter 18.22.

All uses, whether permitted or conditional, shall be conducted in such a manner so as to avoid any nuisance, hazard or commonly recognized offensive condition or characteristic, as established by the commercial and industrial performance standards of Morgan Hill Municipal Code Chapter 18.48

Additional required conditions.

- A. Parking standards for all uses within The Village PD shall be consistent with Chapter 18.50 Parking and Paving of the Morgan Hill Municipal Code.
- B. Sign limitations shall be satisfied in accordance with Chapter 18.76 of the Morgan Hill Municipal Code.
- C. Design permit approval by the community development director shall be required of all new construction, additions or substantial building or site alterations
- D. All development and landscaping shall be consistent with Chapter 18.74 Design Review of the Morgan Municipal Code.
- E. Design permit approval by the community development director shall be required of all substantial landscape alterations.

ORDINANCE NO. 2279, NEW SERIES

AN ORDINANCE OF THE CITY OF MORGAN HILL APPROVING AN AMENDMENT TO A PLANNED DEVELOPMENT MASTER PLAN FOR "EVERGREEN VILLAGE" TO BE LOCATED ON A 20 ACRE SITE LOCATED AT THE SOUTHEAST CORNER OF BUTTERFIELD BOULEVARD AND COCHRANE ROAD (APN's 726-25-035 AND 726-32-021)

WHEREAS, the City Council at its regular meeting of August 8, 2014, adopted Ordinance 2109 N.S. which approved a PD Master Plan and development standards for the Morgan Hill Business Park Planned Unit Development;

WHEREAS, Evergreen Development Co. proposes to develop the property, identified by Assessor Parcel Number(s) 726-25-035 and 726-32-021, on the southeast corner of Butterfield Boulevard and Cochrane Road, with a 12-parcel commercial development;

WHEREAS, the proposed project requires the adoption of an amendment to the Planned Development (PD) Master Plan prior to development on the site;

WHEREAS, findings must be made pursuant to Section 18.114.060 to support a request for an amendment to a PD Master Plan, and any Plan shall be found consistent with such findings;

WHEREAS, such request was considered by the Planning Commission at its regular meeting of July 24, 2018 at which time the Planning Commission recommended approval of Zoning Amendment application AAE2017-0035, amending application ZA 13-12; and

WHEREAS, testimony received at a duly-noticed public hearing, along with exhibits and drawings and other materials have been considered in the review process.

NOW, THEREFORE, THE CITY COUNCIL OF THE OF MORGAN HILL DOES ORDAIN AS FOLLOWS:

SECTION 1. The proposed Zoning Amendment is consistent with the General Plan as required by Section 18.114.060 of the Municipal Code. The development plan established by this amended PD Master Plan will define an orderly and logical development plan and establish uses that are supportive of the surrounding development and future development permitted in the Morgan Hill Business Park PUD.

SECTION 2. The zone change is required in order to serve the public convenience, necessity and general welfare as provided in Section 18.114.060 of the Municipal Code.

SECTION 3. The City Council of the City of Morgan Hill hereby finds that, on the basis of the whole record before it, there is no substantial evidence that the project as currently proposed will have a significant effect on the environment beyond what

was anticipated in the previously adopted Mitigated Negative Declaration (June 24, 2014) and the project specific Addendum to the Mitigated Negative Declaration prepared, and this finding reflects the City Council's independent judgment and analysis; therefore, the City Council recommends approval of the addendum to the Mitigated Negative Declaration. The custodian of the documents or other material which constitute the record shall be the Development Services Department.

SECTION 4. The City Council finds that the Planned Development (PD) Master Plan is consistent with the criteria specified in Chapter 18.30 of the Morgan Hill Municipal Code.

- A. The proposed development is consistent with the General Plan, Zoning Code and any applicable specific plan or area plan adopted by the City Council.

The proposed project is listed as Commercial in the Morgan Hill General Plan. The PD is the zoning code for the site. There are no specific plans for the site.

- B. The proposed development is superior to the development that could occur under the standards applicable in the existing zoning districts.

The proposed development is superior to the plan that was previously approved for the site, in that it incorporates plazas, pedestrian connections, and significant landscaping.

- C. The proposed project will provide a substantial public benefit. The public benefit provided shall be of sufficient value as determined by the Planning Commission to justify deviation from the standards of the zoning district that currently applies to the property.

The project will provide two public plazas located on the northwest corner of the site along with a public plaza between the market building and the retail building, which will provide opportunities for people to informally meet and gather. The project will provide improved pedestrian connection and enhanced circulation within the property and the surrounding neighborhood. The project will provide the opportunity for residents of the adjoining residential properties and users of the adjoining commercial properties to walk or bike to the center for daily needs rather than utilizing automobiles, reducing greenhouse gas emissions.

- D. The site for the proposed development is adequate in size and shape to accommodate proposed land uses.

The site is approximately 20 acres in size and is able to accommodate the square footage of the proposed uses as well as the required parking and

infrastructure improvements.

- E. Adequate transportation facilities, infrastructure, and public services exist or will be provided to serve the proposed development.

The site will be serviced by six vehicle access points that connect to public right-of-way and one access point to adjoining commercial property. The developer will install an intersection turn signal at the main entrance to the site from Cochrane Road. Public infrastructure exists to service the site and the developer of the project will upgrade or install any additional infrastructure needed to provide service the site.

- F. The proposed development will not have a substantial adverse effect on surrounding property and will be compatible with the existing and planned land use character of the surrounding area.

An addendum to the previously approved Mitigated Negative Declaration was produced that analyzed the impact of the development on surrounding properties. It was determined that the project would not have any impacts on the surrounding properties as mitigated.

- G. Findings required for the concurrent approval of a Zoning Map Amendment can be made.

Concurrent approval of the zoning map can be made.

SECTION 5. The City Council hereby adopts the amendment to the Precise Development Plan on file at the Development Services Department entitled "Amended Tentative Map Evergreen Village" prepared by MH Engineering and the landscape plans entitled "Morgan Hill Development" prepared by Reed Associates, dated June 29, 2018; the plan includes 12 commercial parcels for the development of the project on the 20-acre site as illustrated in Exhibit A and the Development Standards for the site as described in Exhibit B.

THE FORGOING ORDINANCE WAS INTRODUCED AT THE MEETING OF THE CITY COUNCIL HELD ON THE 5th DAY OF SEPTEMBER 2018, AND WAS FINALLY ADOPTED AT A MEETING OF THE CITY COUNCIL HELD ON THE 26th DAY OF SEPTEMBER, AND SAID ORDINANCE WAS DULY PASSED AND ADOPTED IN ACCORDANCE WITH LAW BY THE FOLLOWING VOTE:

AYES:	COUNCIL MEMBERS:	Larry Carr, Rich Constantine, Rene Spring Caitlin Robinett Jachimowicz
NOES:	COUNCIL MEMBERS:	None
ABSTAIN:	COUNCIL MEMBERS:	None
ABSENT:	COUNCIL MEMBERS:	Steve Tate

APPROVED:



RICH CONSTANTINE, Mayor Pro Tem

ATTEST:



IRMA TORREZ, City Clerk

DATE:

10/23/2018

Effective Date: October 27, 2018

∞ CERTIFICATE OF THE CITY CLERK ∞

I, IRMA TORREZ, CITY CLERK OF THE CITY OF MORGAN HILL, CALIFORNIA, do hereby certify that the foregoing is a true and correct copy of Ordinance No. 2279, New Series, adopted by the City Council of the City of Morgan Hill, California at its regular meeting held on the 26th day of September 2018.

WITNESS MY HAND AND THE SEAL OF THE CITY OF MORGAN HILL.

DATE: 10/23/2018

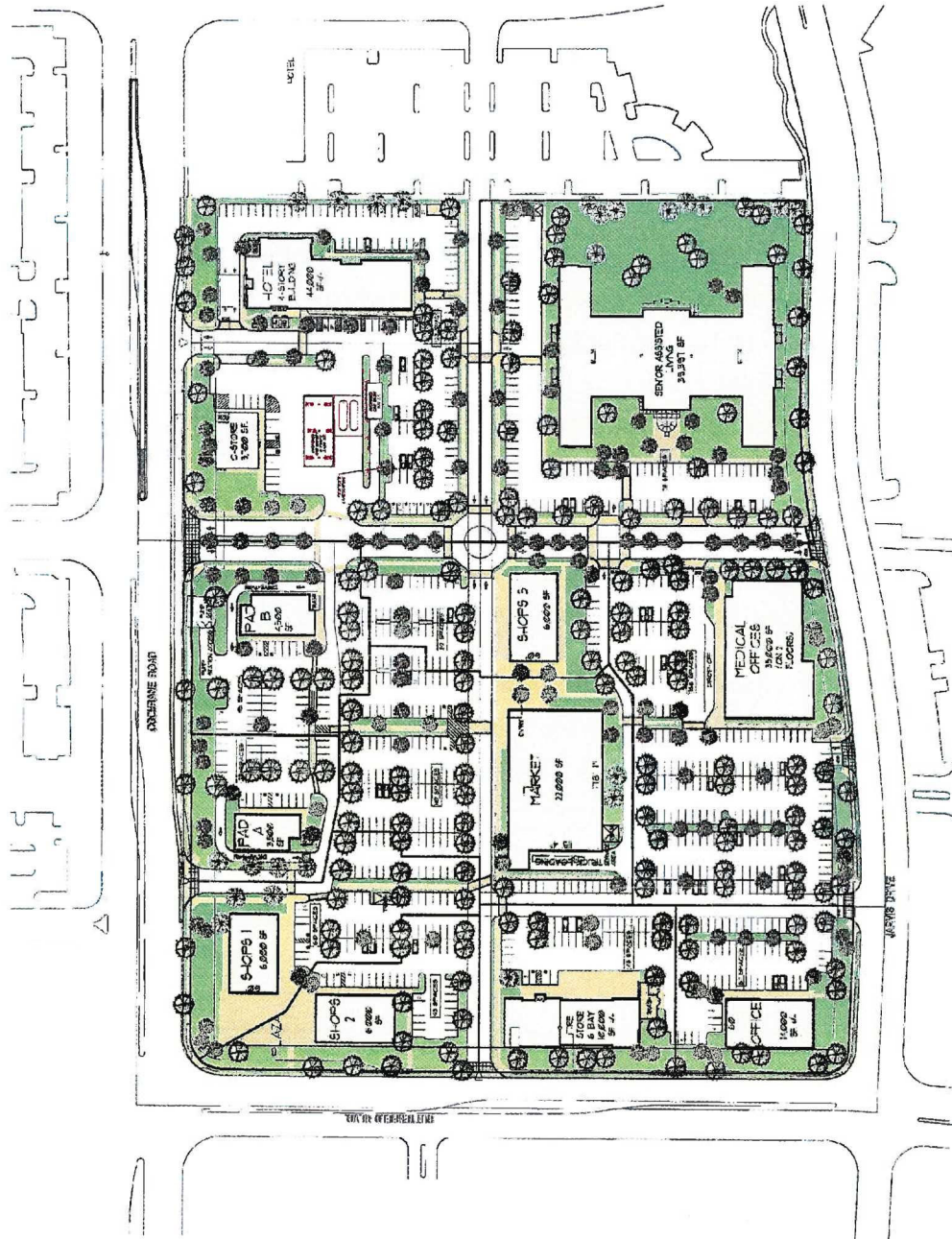


IRMA TORREZ, City Clerk

Exhibit A

Morgan Hill Business Ranch

"Evergreen Village" Master Plan



A-1.1
6-14-18

Proposed Site Plan

Evergreen Village
Morgan Hill California



Exhibit B

Morgan Hill Business Ranch

“Evergreen Village” PUD Development Standards

PUD Location:

The 20-acre “Evergreen Village” is located in the southeast quadrant of Butterfield Blvd. and Cochrane Road, and bound by Jarvis Dr. to the south. APN’s 726-25-035 & 726-32-021

PUD Objective:

The objective of planned development is to create and maintain a broad range of general office, medical office, light R & D and retail uses that would be supportive of the surrounding businesses, residential uses and the residents of the City of Morgan Hill.

Site development standards:

- A. Maximum building size shall be per the approved PD Master Plan
- B. Building location shall be per the approved PD Master Plan
- C. Building setbacks shall be per the approved PD Master Plan
- D. Maximum building height:
 - a. Hotels - 60 ft., including all architectural features and mechanical equipment.
 - b. All Others - 50 ft.
- E. Any subdivision must be consistent with the approved PD Master Plan

The following uses as defined in the Morgan Hill Municipal Code shall be permitted or conditional uses within The Village precise development boundary:

Permitted and Conditional Uses “The Village”

Use	Staff Recommendation
Business Support Services	P
Commercial Services	P
Commercial Recreation, Indoor <15,000 sq. ft.	P
Commercial Recreational, Indoor >15,000 sq. ft.	P
Drive-Thru (maximum 3)	P
Drive-Thru (4 or more)	C
Banks and Financial Institutions	P
Grocery Store	P
Home Improvement Center	P
Hotels & Motels	P
Professional Offices	P
Personal Services	P
Research & Development	P
Restaurants, fast food	P

Use	Staff Recommendation
Restaurants, sit-down	P
General Retail	P
Convenience Markets	P
Fuel and Service Station	P for parcel 5, C for additional parcels
Vehicle Repair and Maintenance, Minor	P for parcel 7, C for additional parcels
Residential Care Facility	P for parcel 12 C for additional parcels
Nursing Homes and Long-Term Care	P for parcel 12 C for additional parcels
Day Care Centers	C
Day Care Centers, Adult	P if ancillary to Elderly/Assisted Living Use, C if not ancillary
Kennel	C

P = Permitted Use

C = Conditional Use

Permitted and Conditional Uses shall be defined in accordance with Morgan Hill Municipal Code section 18.08.040. Uses not specifically listed may be considered as either permitted or conditional by the Planning Commission if found to be consistent in nature with other listed permitted or conditional uses.

All uses, whether permitted or conditional, shall be conducted in such a manner so as to avoid any nuisance, hazard or commonly recognized offensive condition or characteristic, as established by the commercial and industrial performance standards of Morgan Hill Municipal Code Chapter 18.76.

Additional required conditions.

- A. Parking standards for all uses within The Village PD shall be consistent with Chapter 18.72 Parking and Loading of the Morgan Hill Municipal Code.
- B. Sign limitations shall be satisfied in accordance with Chapter 18.88 of the Morgan Hill Municipal Code.
- C. Design Permit approval by the Community Development Director shall be required of all new construction, additions or substantial building or site alterations
- D. All development and landscaping shall be consistent with Chapter 18.108.040 Design Permit of the Morgan Municipal Code.

- E. Design Permit approval by the Community Development Director shall be required of all substantial landscape alterations.

Attachment 11

Owner's Statement

We hereby state that we are the owners of, or have some right, title, or interest in and to the real property included within the subdivision shown upon the herein map; that we are the only persons whose consents are necessary to pass a clear title to said real property; that we hereby consent to the preparation and filing of said map and subdivision as shown within the distinctive boundary line.

All of the herein described streets and easements shall be kept free of buildings, except lawful unsupported roof overhangs, and obstructions that do not impair the use of, or are consistent with the purposes of the street or easement.

As Owner(s):

EVERGREEN - Butterfield & Cochrane, L.L.C., An Arizona Limited Liability Company
Evergreen Development Company - 2017, L.L.C., An Arizona Limited Liability Company
Its Manager

Evergreen Devco, Inc., A California Corporation
Its Manager

BY: [Signature]
ITS: VICE PRESIDENT

Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State Of California
County Of Santa Clara

On December 8, 2023, before me, Jenna Luna, Notary Public, personally appeared Zachariah Mark Lauterbach, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Jenna Luna
Name: Jenna Luna, Notary Public In

And For Said County And State

(Seal)

Principal County Of Business: Santa Clara
Commission Expires: Oct. 12, 2025
Commission # Of Notary: 2375317

PARCEL MAP**Lot Merger**

Being All of Parcel 1, Parcel 2 and Parcel 8, as shown upon that certain Parcel Map filed for record on July 17, 2019, in Book 924 of Maps, at Pages 45 through 47, Records of Santa Clara County.

Lying within the
City of Morgan Hill, County of Santa Clara, State of California

December 2023

NOTES

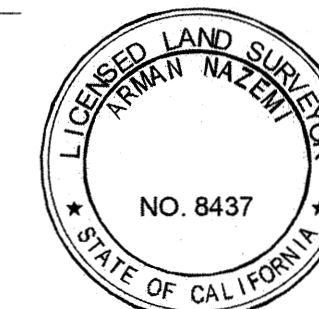
1. The distinctive boundary line indicates the boundaries of the land being subdivided by this Parcel Map.
2. The area within the distinctive boundary is 4.321 acres.
3. All distances and dimensions are in feet and decimals thereof.

Engineer's Statement

This map was prepared by me or under my direction and is based upon a Field Survey in conformance with the requirements of the Subdivision Map Act and local ordinance, at the request of Zach Lauterbach, on May 30, 2023. That all the monuments are of the character and occupy the positions indicated, or will be set in such positions on or before December 30, 2024 and that such monuments are, or will be sufficient to enable the survey to be retraced. I hereby state that this Parcel Map substantially conforms to the approved or conditionally approved Tentative Map, if any.

[Signature]
Arman Nazemi
P.L.S. NO. 8437

12/14/2023
DATE

**City Engineer's Statement**

I hereby state that I have examined this Parcel Map. The Subdivision as shown is substantially the same as it appeared on the Tentative Map, if required, and any approved alterations thereof. All provisions of the Subdivision Map Act, as amended, and of any local ordinances applicable at the time of approval of the Tentative Map, if required, have been complied with.

[Signature]
Scott C. Creer - City Engineer
City of Morgan Hill, California
R.C.E. NO. 58879

12/18/23
DATE

**City Surveyor's Statement**

I hereby state that I have examined this Parcel Map and that I am satisfied that said map is technically correct.

[Signature]
John K. King - Acting City Surveyor
Hanna Brunetti
P.L.S. NO. 6809

12-19-23
DATE

**County Recorder's Statement**

Filed this 27th day of February, 20 24
at 11:54 AM in Book 960 of Maps, at Pages 18-20 at the request of M.H. Engineering Co.

File no. 25602661

Fee \$ 89

Regina Alcomendras, County Recorder of Santa Clara County

By: _____
Deputy

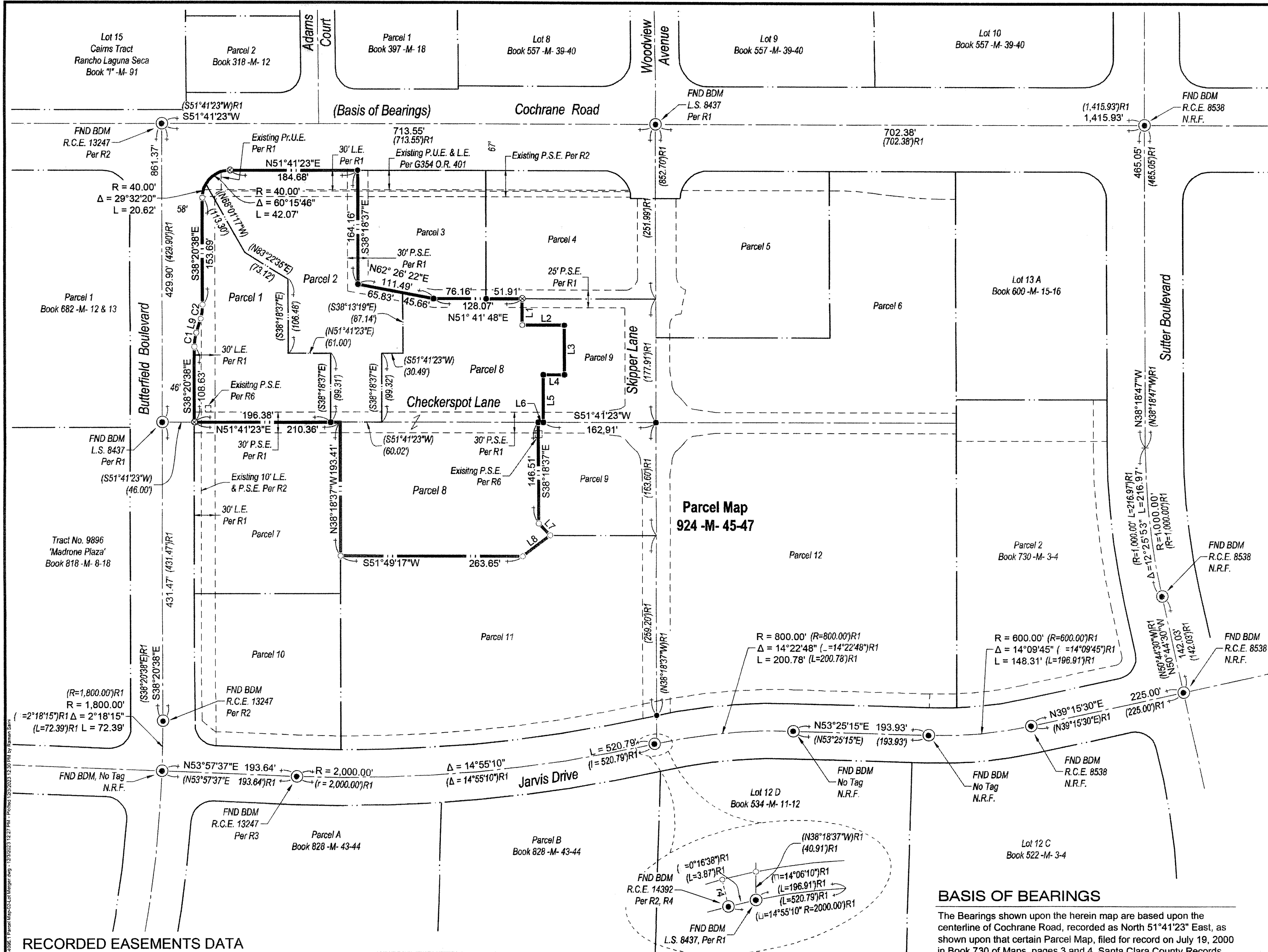
MH engineering Co.
16075 Vineyard Boulevard
Morgan Hill, CA 95037
(408) 779-7381

MH Job No: 214096.1

Sheet 1 of 3

25602661

18



- LEGEND**
- FOUND STANDARD CITY MONUMENT, AS INDICATED
 - FOUND 3/4" IRON PIPE, TAGGED P.L.S. 8437 UNLESS NOTED OTHERWISE.
 - SET 3/4" IRON PIPE, TAGGED P.L.S. 8437
 - ⊗ SET NAIL & BRASS TAG, P.L.S. 8437
 - BDM BRASS DISK MONUMENT
 - FND FOUND
 - N.R.F. NO RECORD FOUND
 - O.R. OFFICIAL RECORD
 - P.S.E. PUBLIC SERVICE EASEMENT
 - S.F.N.F. SEARCHED FOR, NOT FOUND
 - (...) RECORD DATA

- CENTERLINE
DISTINCTIVE BOUNDARY LINE
EXISTING EASEMENT LINE
EXISTING LOT LINE /RIGHT-OF-WAY LINE
NEW LOT LINE

Line Table		
#	Direction	Length
L1	S38°18'37"E	37.51'
L2	N51°41'23"E	61.00'
L3	S38°18'37"E	71.62'
L4	S51°41'23"W	30.56'
L5	S38°18'37"E	68.81'
L6	S51°41'23"W	7.42'
L7	N83°01'52"W	24.05'
L8	N14°20'50"E	50.14'
L9	N21°38'47"W	21.22'

Curve Table			
#	Radius	Delta	Length
C1	70.00'	016°41'51"	20.40'
C2	70.00'	016°41'51"	20.40'

- Conditions Prior to Lot Merger -

PARCEL MAP

Lot Merger

Being All of Parcel 1, Parcel 2 and Parcel 8, as shown upon that certain Parcel Map filed for record on July 17, 2019, in Book 924 of Maps, at Pages 45 through 47, Records of Santa Clara County.

Lying within the
City of Morgan Hill, County of Santa Clara, State of California

December 2023

MH engineering Co.
16075 Vineyard Boulevard
Morgan Hill, CA 95037
(408) 779-7381

MH Job No: 214096.1 **Sheet 2 of 3**

RECORDED EASEMENTS DATA

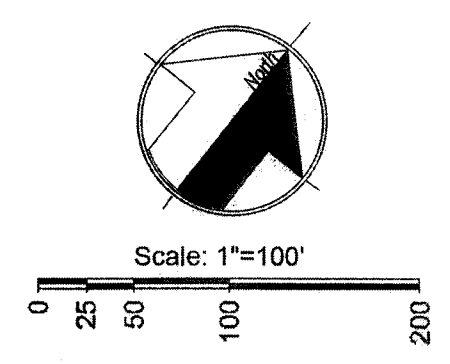
Purpose	Recorded	Document Number
Landscaping and Public Utilities Easement In favor of the City of Morgan Hill	September 24, 1981	Book G354, Page 401, Official Records
Reciprocal Easement between Parkland and MCPT Modified Modified	June 16, 1989 December 16, 1998 February 07, 2008	Book K988, Page 1623, Official Records Document No. 14554697 Document No. 19736430
Landscape and Public Service and Incidental purposes In favor of the City of Morgan Hill	July 03, 2000	Book 729 of Maps, Pages 35-36

REFERENCED RECORD DATA

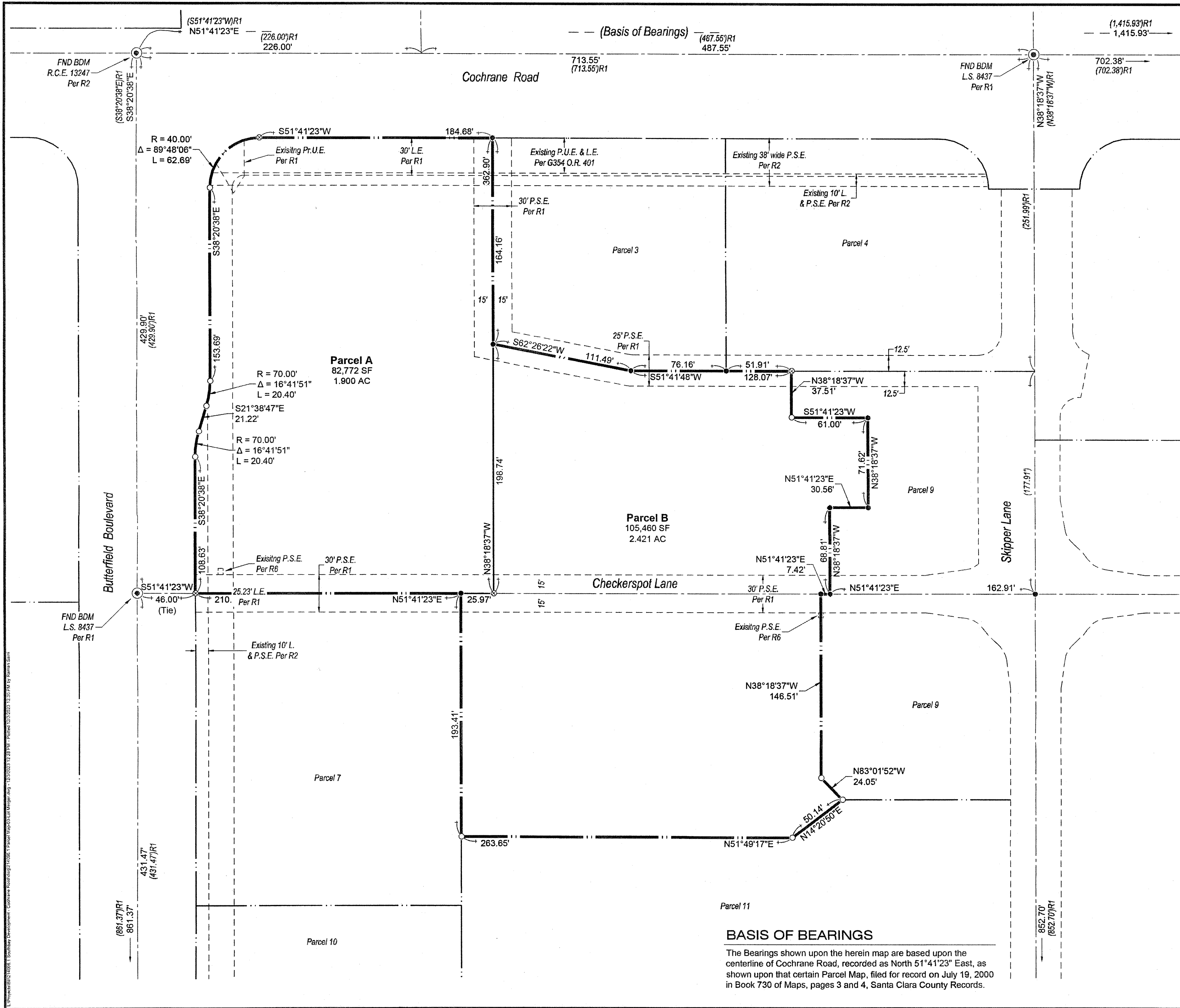
- | | |
|--|---|
| R1 Parcel Map "Evergreen Village"
Book 924 of Maps, Pages 45 - 47 | R4 Parcel Map
Book 730 of Maps, Pages 3 & 4 |
| R2 Parcel Map
Book 729 of Maps, Pages 35 & 36 | R5 Parcel Map
Book 534 of Maps, Pages 11 & 12 |
| R3 Parcel Map
Book 700 of Maps, Pages 30 - 32 | R6 Grant of Public Service Easement
Document Number 25432651 |

BASIS OF BEARINGS

The Bearings shown upon the herein map are based upon the centerline of Cochrane Road, recorded as North 51°41'23" East, as shown upon that certain Parcel Map, filed for record on July 19, 2000 in Book 730 of Maps, pages 3 and 4, Santa Clara County Records.



25602661

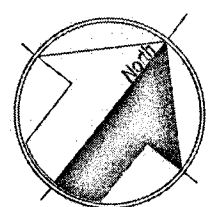


- LEGEND**
- FOUND STANDARD CITY MONUMENT, AS INDICATED
 - FOUND 3/4" IRON PIPE, TAGGED P.L.S. 8437 UNLESS NOTED OTHERWISE.
 - SET 3/4" IRON PIPE, TAGGED P.L.S. 8437
 - ⊗ SET NAIL & BRASS TAG, P.L.S. 8437
 - BDM BRASS DISK MONUMENT
 - FND FOUND
 - L. / L.E. LANDSCAPE EASEMENT
 - N.R.F. NO RECORD FOUND
 - O.R. OFFICIAL RECORD
 - Pr.U.E. PRIVATE UTILITY EASEMENT
 - P.S.E. PUBLIC SERVICE EASEMENT
 - P.U.E. PRIVATE UTILITY EASEMENT
 - S.F.N.F. SEARCHED FOR, NOT FOUND
 - (...) RECORD DATA

CENTERLINE
DISTINCTIVE BOUNDARY LINE
EXISTING EASEMENT LINE
EXISTING LOT LINE / RIGHT-OF-WAY LINE
NEW LOT LINE

REFERENCED RECORD DATA

- R1 Parcel Map "Evergreen Village" Book 924 of Maps, Pages 45 - 47
- R2 Parcel Map Book 729 of Maps, Pages 35 & 36
- R3 Parcel Map Book 700 of Maps, Pages 30 - 32
- R4 Parcel Map Book 730 of Maps, Pages 3 & 4
- R5 Parcel Map Book 534 of Maps, Pages 11 & 12
- R6 Grant of Public Service Easement Document Number 25432651



SCALE: 1"=50'

PARCEL MAP

Lot Merger

Being All of Parcel 1, Parcel 2 and Parcel 8, as shown upon that certain Parcel Map filed for record on July 17, 2019, in Book 924 of Maps, at Pages 45 through 47, Records of Santa Clara County.

Lying within the
City of Morgan Hill, County of Santa Clara, State of California

December 2023

MH engineering Co.
16075 Vineyard Boulevard
Morgan Hill, CA 95037
(408) 779-7381

MH Job No: 214096.1 **Sheet 3 of 3**

25602661

City of Morgan Hill
Development Services Department



Raising Cane's at Evergreen Village Project
Categorical Exemption

April 2024

Prepared by



1501 Sports Drive, Suite A, Sacramento, CA 95834

TABLE OF CONTENTS

A.	BACKGROUND	1
B.	SOURCES	2
C.	ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED	4
D.	DETERMINATION.....	5
E.	INTRODUCTION.....	6
F.	PROJECT BACKGROUND	6
G.	PROJECT DESCRIPTION	7
H.	SUMMARY.....	17
I.	ENVIRONMENTAL CHECKLIST	23
<i>I.</i>	<i>AESTHETICS.....</i>	<i>25</i>
<i>II.</i>	<i>AGRICULTURE AND FOREST RESOURCES.....</i>	<i>27</i>
<i>III.</i>	<i>AIR QUALITY.....</i>	<i>28</i>
<i>IV.</i>	<i>BIOLOGICAL RESOURCES.....</i>	<i>36</i>
<i>V.</i>	<i>CULTURAL RESOURCES.....</i>	<i>38</i>
<i>VI.</i>	<i>ENERGY.....</i>	<i>42</i>
<i>VII.</i>	<i>GEOLOGY AND SOILS.....</i>	<i>45</i>
<i>VIII.</i>	<i>GREENHOUSE GAS EMISSIONS.....</i>	<i>49</i>
<i>IX.</i>	<i>HAZARDS AND HAZARDOUS MATERIALS.....</i>	<i>52</i>
<i>X.</i>	<i>HYDROLOGY AND WATER QUALITY.....</i>	<i>56</i>
<i>XI.</i>	<i>LAND USE AND PLANNING.....</i>	<i>63</i>
<i>XII.</i>	<i>MINERAL RESOURCES.....</i>	<i>64</i>
<i>XIII.</i>	<i>NOISE.....</i>	<i>65</i>
<i>XIV.</i>	<i>POPULATION AND HOUSING.....</i>	<i>82</i>
<i>XV.</i>	<i>PUBLIC SERVICES.....</i>	<i>83</i>
<i>XVI.</i>	<i>RECREATION.....</i>	<i>84</i>
<i>XVII.</i>	<i>TRANSPORTATION.....</i>	<i>85</i>
<i>XVIII.</i>	<i>TRIBAL CULTURAL RESOURCES.....</i>	<i>90</i>
<i>XIX.</i>	<i>UTILITIES AND SERVICE SYSTEMS.....</i>	<i>91</i>
<i>XX.</i>	<i>WILDFIRE.....</i>	<i>94</i>
<i>XXI.</i>	<i>MANDATORY FINDINGS OF SIGNIFICANCE.....</i>	<i>95</i>

FIGURES

Figure 1	Regional Vicinity Location.....	8
Figure 2	Project Site Boundaries	9
Figure 3	Preliminary Site Plan	12
Figure 5	Preliminary Utility Plan.....	14
Figure 6	Preliminary Stormwater Control Plan	15
Figure 7	Preliminary Landscape Plan	16
Figure 8	Noise Survey Locations	67
Figure 9	On-Site Delivery Truck Circulation Route.....	75

TABLES

Table 1 BAAQMD Thresholds of Significance	29
Table 2 Maximum Unmitigated Construction Emissions (lbs/day)	30
Table 3 Maximum Unmitigated Operational Emissions	31
Table 4 Bioretention Basin Sizing	59
Table 5 Bioretention Basin Volume	59
Table 6 Existing Versus Post-Construction Peak Flows	60
Table 7 Ambient Noise Survey Results	66
Table 8 Noise Level Performance Standards	68
Table 9 Construction Equipment Noise	69
Table 10 Predicted Parking Area Noise Levels at Nearest Residential Uses	71
Table 11 Predicted Drive-Through Noise Levels at Nearest Residential Uses	72
Table 12 Predicted On-Site Vehicle Circulation Noise Levels at Nearest Residential Uses	73
Table 13 Predicted Outdoor Dining Area Noise Levels at Nearest Residential Uses	74
Table 14 Predicted Truck Delivery Noise Levels at Nearest Residential Uses	76
Table 15 Predicted On-Site Truck Circulation Noise Levels at Nearest Residential Uses	77
Table 16 Predicted HVAC Equipment Noise Levels at Nearest Residential Uses	78
Table 17 Combined On-Site Noise Levels at Nearest Residential Uses – Daytime Hours	79
Table 18 Combined On-Site Noise Levels at Nearest Residential Uses – Nighttime Hours	79
Table 19 Vibration Levels for Various Construction Equipment	80

APPENDICES

Appendix A: Trip Generation and Operations Analysis
Appendix B: Air Quality and Greenhouse Gas Modeling Results
Appendix C: Geotechnical Engineering Report
Appendix D: Phase I Environmental Site Assessment
Appendix E: Stormwater Control Plan Report
Appendix F: Environmental Noise and Vibration Assessment
Appendix G: Vehicle Miles Traveled Assessment

INITIAL STUDY

April 2024

A. BACKGROUND

1. Project Title: Raising Cane's at Evergreen Village
2. Lead Agency Name and Address: City of Morgan Hill
Development Services Department
Morgan Hill, CA
17575 Peak Avenue
Morgan Hill, CA 95037
3. Contact Person and Phone Number: Joey Dinh
Associate Planner
(408) 778-6480
4. Project Location: Southeast of the Cochrane Road/Butterfield Boulevard Intersection
Morgan Hill, CA 95037
APNs: 726-58-001 and a portion of -002
5. Project Sponsor's Name and Address: Raising Cane's
6800 Bishop Road
Plano, TX 75024
6. Existing General Plan Designation: Commercial
7. Existing Zoning Designation: General Commercial – Planned Unit Development
(CG-PUD)
8. Required Approvals from Other Public Agencies: None Required
9. Surrounding Land Uses and Setting:

The 1.9-acre project site is located southeast of the Cochrane Road/Butterfield Boulevard intersection in the City of Morgan Hill, California. The project site is located within the Evergreen Village Planned Development (PD) Master Plan area, an approximately 20-acre business park anticipated to consist of various commercial, retail, and office uses at full buildout. Currently, the project site is undeveloped and includes ruderal grasses, with sidewalks and landscaping vegetation along the northern and western site boundaries. The Morgan Hill General Plan designates the project as Commercial, and the site is zoned CG-PUD.

The project site is bounded by Cochrane Road to the north, Checkerspot Lane to the south, and Butterfield Boulevard to the west. In addition, a private driveway extending south from Cochrane Road bounds a portion of the eastern site boundary. Surrounding existing land uses include a single-family residence, animal hospital, industrial park uses, and surface parking lot areas to the north, across Cochrane Road; undeveloped land and

a Starbucks drive-through restaurant to the east, across the private driveway; a 7-Eleven gas station, convenience store, and car wash and the site of a City-approved Chick-fil-A restaurant and drive-through further to the east; undeveloped land to the south, across Checkerspot Lane; industrial park uses further to the south; multi-family housing (attached residences) to the southwest, across Butterfield Boulevard; and multi-family housing (apartments) to the west, across Butterfield Boulevard.

10. Project Description Summary:

The Raising Cane's at Evergreen Village Project (proposed project) would include development of a 2,899-square-foot (sf) Raising Cane's restaurant and dual-lane drive-through. The interior of the restaurant would be comprised of a dining room, customer pick-up area, serving area, kitchen, manager's office, cooler/freezer area, and mechanical room. The exterior would include an outdoor dining area with covered seating along the southern and western facades of the proposed restaurant and an outdoor pedestrian plaza in the northwestern portion of the site. A covered trash and recycling bin enclosure would be located to the south of the restaurant. The dual-lane drive-through would consist of two lanes, each equipped with an ordering board and speaker. Additionally, a total of 50 surface parking stalls would be provided to the south of the restaurant, which would include two parking stalls designed in compliance with the Americans with Disabilities Act (ADA), six electric vehicle (EV) capable stalls, and two EV charging station stalls. Site access would be provided from Checkerspot Lane. The proposed project would require approval of a Conditional Use Permit (CUP) and Design Permit.

B. SOURCES

The following documents are referenced information sources used within this analysis:

1. Andi Borowski, Environmental Services Assistant, Morgan Hill Environmental Services Department. Personal communication [email] with Jesse Fahrney, Associate, Raney Planning and Management, Inc. July 26, 2022.
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5. Bollard Acoustical Consultants, Inc. *Environmental Noise and Vibration Assessment: Raising Cane's*. January 18, 2024.
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7. California Department of Conservation. *Earthquake Zones of Required Investigation*. Available at: <https://maps.conservation.ca.gov/cgs/EQZApp/app/>. Accessed February 2024.
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10. California Department of Transportation. *Scenic Highways*. Available at: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>. Accessed January 2024.
 11. California Water Boards. *Central Coast Post-Construction Stormwater Requirements*. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/stormwater/docs/lid/hydromod_lid_docs/2013_0032_attach1_post_construction_requirements.pdf. Accessed March 2024.
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 15. City of Morgan Hill. *City of Morgan Hill Wildland Urban Interface Map*. March 2009.
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 17. City of Morgan Hill. *Morgan Hill 2021 Climate Action Plan*. December 15, 2021.
 18. City of Morgan Hill. *Morgan Hill 2035 Environmental Impact Report*. Certified July 2016.
 19. City of Morgan Hill. *Stormwater and Urban Runoff Management*. Available at: <https://www.morgan-hill.ca.gov/737/Phase-II-General-Stormwater-Permit>. Accessed March 2024.
 20. Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: <https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=18599+Sutter+Boulevard%2C+Morgan+Hill%2C+CA>. Accessed January 2024.
 21. Dwight Good, Assistant Chief Cooperative Fire Protection, Morgan Hill Fire Department. Personal communication [phone] with Nick Pappani, Vice President, Raney Planning and Management, Inc. June 1, 2021.
 22. Federal Emergency Management Agency. *National Flood Hazard Layer FIRMette No. 06085C0443H*. Available at: <https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd>. Accessed January 2024.
 23. Hexagon Transportation Consultants, Inc. *Trip Generation and Operations Analysis for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California*. March 1, 2024.
 24. Hexagon Transportation Consultants, Inc. *VMT Assessment for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California*. March 1, 2024.
 25. Kimley-Horn. *Stormwater Control Plan Report for Raising Cane's, Butterfield Boulevard and Cochrane Road, Morgan Hill, CA 95037*. March 14, 2024.
 26. Northwest Information Center. *Record search results for the proposed Raising Cane's at Evergreen Village Project*. January 5, 2024.
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32. Santa Clara Valley Water District. *C1: Anderson Dam Seismic Retrofit*. Available at: <https://www.valleywater.org/project-updates/2012-c1-anderson-dam-seismic-retrofit>. Accessed January 2024.
33. State Water Resources Control Board. *GeoTracker*. Available at: <https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=morgan+hill>. Accessed January 2024.
34. Stephen L. Kostka and Michael H. Zischke. *Practice Under the California Environmental Quality Act, Second Edition* [pg. 5-68]. March 2019 Update.
35. Terracon. *Phase I Environmental Site Assessment Raising Cane's #991, Eastern Corner of Cochrane Road & Butterfield Boulevard*. November 28, 2022.
36. Terracon. *Raising Cane's C991 Geotechnical Engineering Report*. January 13, 2022.
37. United States Department of Agriculture. *Web Soil Survey*. Available at: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>. Accessed February 2024.

C. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

As indicated by the checklist on the following pages, the proposed project would not result in significant impacts to any of the environmental factors listed below, and mitigation would not be required.

- | | | |
|--|---|---|
| ☐ Aesthetics | ☐ Agriculture and Forest Resources | ☐ Air Quality |
| ☐ Biological Resources | ☐ Cultural Resources | ☐ Energy |
| ☐ Geology and Soils | ☐ Greenhouse Gas Emissions | ☐ Hazards and Hazardous Materials |
| ☐ Hydrology and Water Quality | ☐ Land Use and Planning | ☐ Mineral Resources |
| ☐ Noise | ☐ Population and Housing | ☐ Public Services |
| ☐ Recreation | ☐ Transportation | ☐ Tribal Cultural Resources |
| ☐ Utilities and Service Systems | ☐ Wildfire | ☐ Mandatory Findings of Significance |

D. DETERMINATION

On the basis of this initial study:

- ☒ I find that this environmental checklist provides substantial evidence that the proposed project can be considered exempt from the California Environmental Quality Act on the basis that it meets the criteria for the Infill Development Project Exemption (Guidelines Section 15332) and does not meet any of the exceptions for exemptions (Guidelines Section 15300.2).
- ☐ I find that the Proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☐ I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the applicant. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the Proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Joey Dinh, Associate Planner
Printed Name

Date

City of Morgan Hill
For

E. INTRODUCTION

In July 2016, the City of Morgan Hill adopted the 2035 General Plan¹ and certified an associated Environmental Impact Report (EIR) for the updated General Plan.² The General Plan EIR is a program EIR, prepared pursuant to Section 15168 of the California Environmental Quality Act (CEQA) Guidelines (Title 14, California Code of Regulations [CCR], Sections 15000 *et seq.*). The General Plan EIR analyzed full implementation of the General Plan and identified measures to mitigate the significant adverse impacts associated with the General Plan.

The purpose of this Initial Study is to evaluate whether the proposed project is exempt from review pursuant to CEQA. Secondly, this Initial Study evaluates whether the proposed project meets any of the exceptions or exemptions listed in Section 15300.2 of the CEQA Guidelines. The summary of the analysis contained in this Initial Study and the relevant findings related to the above key inquiries is presented in the following sections.

A further point is noteworthy before proceeding with the analysis. The relevant questions a lead agency must consider when determining if a particular project is exempt from CEQA are focused on the specific criteria for exemptions and the list of exceptions to an exemption within the CEQA Guidelines. Thus, for this project, the City of Morgan Hill could have focused this analysis on the criteria for the Infill Exemption in CEQA Guidelines Section 15332 and the list of exceptions in Section 15300.2. For this particular project, the City elected to prepare a full Initial Study checklist to provide substantial evidence supporting its determination as to whether the project can be considered exempt from CEQA. For an overview of the focused list of criteria pursuant to CEQA Guidelines Sections 15332 and 15300.2, see Section G of this Initial Study.

F. PROJECT BACKGROUND

As previously discussed, the project site is located within the Evergreen Village PD Master Plan area, an approximately 20-acre business park anticipated to consist of various commercial, retail, and office uses at full buildout. The Evergreen Village PD Master Plan, previously known as the Cochrane Road Commercial Development Project, was originally evaluated through an associated Initial Study/Mitigated Negative Declaration (Cochrane Road IS/MND), which was approved by the City of Morgan Hill in 2014. The Evergreen Village PD Master Plan originally included subdivision of the Evergreen Village site into eight parcels, with subsequent development anticipated to include 196,300 sf of commercial uses over the course of two phases. As part of the project's approval, the Cochrane Road Commercial Development Project required City approval of a PUD Amendment, Tentative Map, and PD Master Plan. The PUD Amendment allowed for development of several permitted uses, including, but not limited to, business-support uses, commercial uses, a maximum of two drive-through restaurants; financial services, hotel/motel/lodging facilities, medical/dental offices, administrative offices, research and development uses, and retail uses. Additionally, the PUD Amendment allowed for several conditional uses with approval of a CUP, including, but not limited to, assisted-living facilities, convenience stores and specialty markets, daycare centers and nursery schools, additional drive-through restaurants beyond the two-restaurant maximum, nursing homes or convalescent hospitals, and service stations.

An Addendum to the Cochrane Road IS/MND, known as the Butterfield & Cochrane Development Project Addendum, was adopted by the City in 2018, which amended the previously approved Evergreen Village Tentative Map and PD Master Plan. The amendment to the originally approved

¹ City of Morgan Hill. *2035 General Plan, City of Morgan Hill*. Adopted July 2016.

² City of Morgan Hill. *Morgan Hill 2035 Environmental Impact Report*. Certified July 2016.

Tentative Map increased the number of parcels from eight to 12. Additionally, the amendments to the PD Master Plan identified site-specific uses, including, but not limited to, a nine-pump gas station, approximately 10,000 sf of restaurant space, 38,000 sf of retail space, a 110-room hotel, 40,500 sf of office space, and an 85-bed assisted-living facility.

On September 5, 2018, the City adopted Resolution 18-067 amending the original Evergreen Village Tentative Map, and on September 26, 2018, the City adopted Ordinance 2279 amending the PD Master Plan. The Raising Cane's at Evergreen Project site encompasses Evergreen Village Parcel 1 and a portion of Parcel 2. The Evergreen Village PD Master Plan included development of a 6,000-sf retail pad on Parcel 1 and a 6,000-sf retail pad on Parcel 2.

G. PROJECT DESCRIPTION

The following provides a description of the project site's location and setting, as well as the proposed project components and required discretionary actions.

Project Location and Setting

The 1.9-acre project site is located southeast of the Cochrane Road/Butterfield Boulevard intersection in the City of Morgan Hill, California (see Figure 1 and Figure 2). The project site is located within the Evergreen Village PD Master Plan area and is currently undeveloped and contains ruderal grasses that are routinely mowed. Sidewalks and landscaping trees, shrubs, and groundcover are located along the northern and western site boundaries. In addition, the project site has been previously mass graded as part of site preparation activities associated with Evergreen Village. The Morgan Hill General Plan designates the project as Commercial, and the site is zoned CG-PUD. It should be noted that the project site was previously comprised of a parcel identified by Assessor's Parcel Number (APN) 726-58-001 and a portion of a parcel identified by APN 726-58-002. However, a Parcel Map Lot Line Adjustment/Lot Merger was recorded on February 27, 2024 that reconfigured three of the Evergreen Village parcels and resulted in a new "Parcel A," which constitutes the project site (see Figure 3).

The project site is bounded by Cochrane Road to the north, Checkerspot Lane to the south, and Butterfield Boulevard to the west. In addition, a private driveway extending south from Cochrane Road bounds a portion of the eastern site boundary. Surrounding existing land uses include a single-family residence, animal hospital, industrial park uses, and surface parking lot areas to the north, across Cochrane Road; previously graded, undeveloped land and a Starbucks drive-through restaurant to the east, across the private driveway; a 7-Eleven gas station, convenience store, and car wash and the site of a City-approved Chick-fil-A restaurant and drive-through further to the east; previously graded, undeveloped land to the south, across Checkerspot Lane; industrial park uses further to the south; multi-family housing (attached residences) to the southwest, across Butterfield Boulevard; and multi-family housing (apartments) to the west, across Butterfield Boulevard.

Project Components

The proposed project would include development of a 2,899-sf Raising Cane's restaurant with a dual-lane drive-through and outdoor patio seating. In addition, the proposed project would include a surface parking lot, associated utility improvements, and new landscaping. The proposed project would require City approval of a CUP and a Design Permit. The aforementioned project components are discussed further below.

Figure 1
Regional Vicinity Location

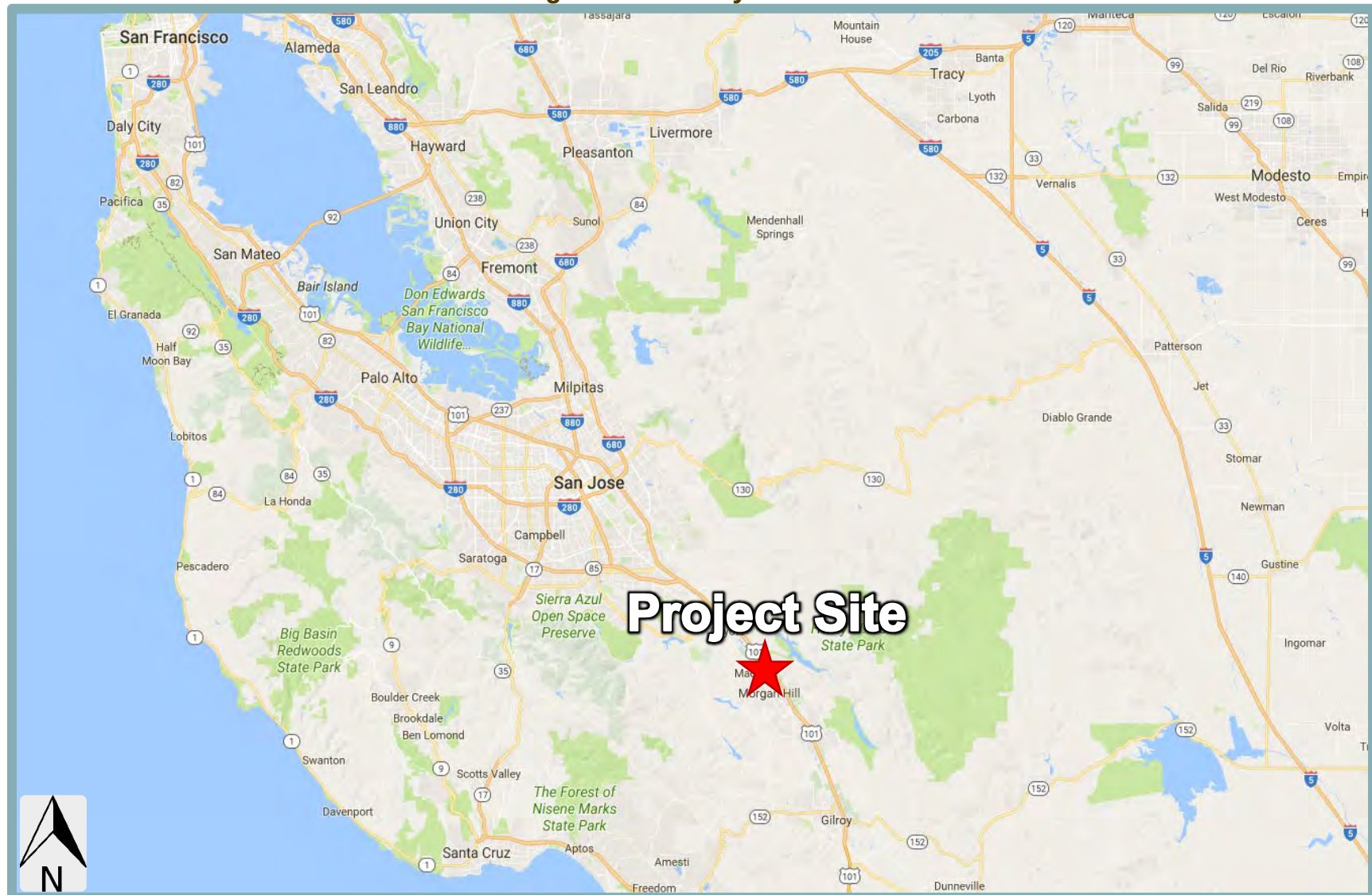
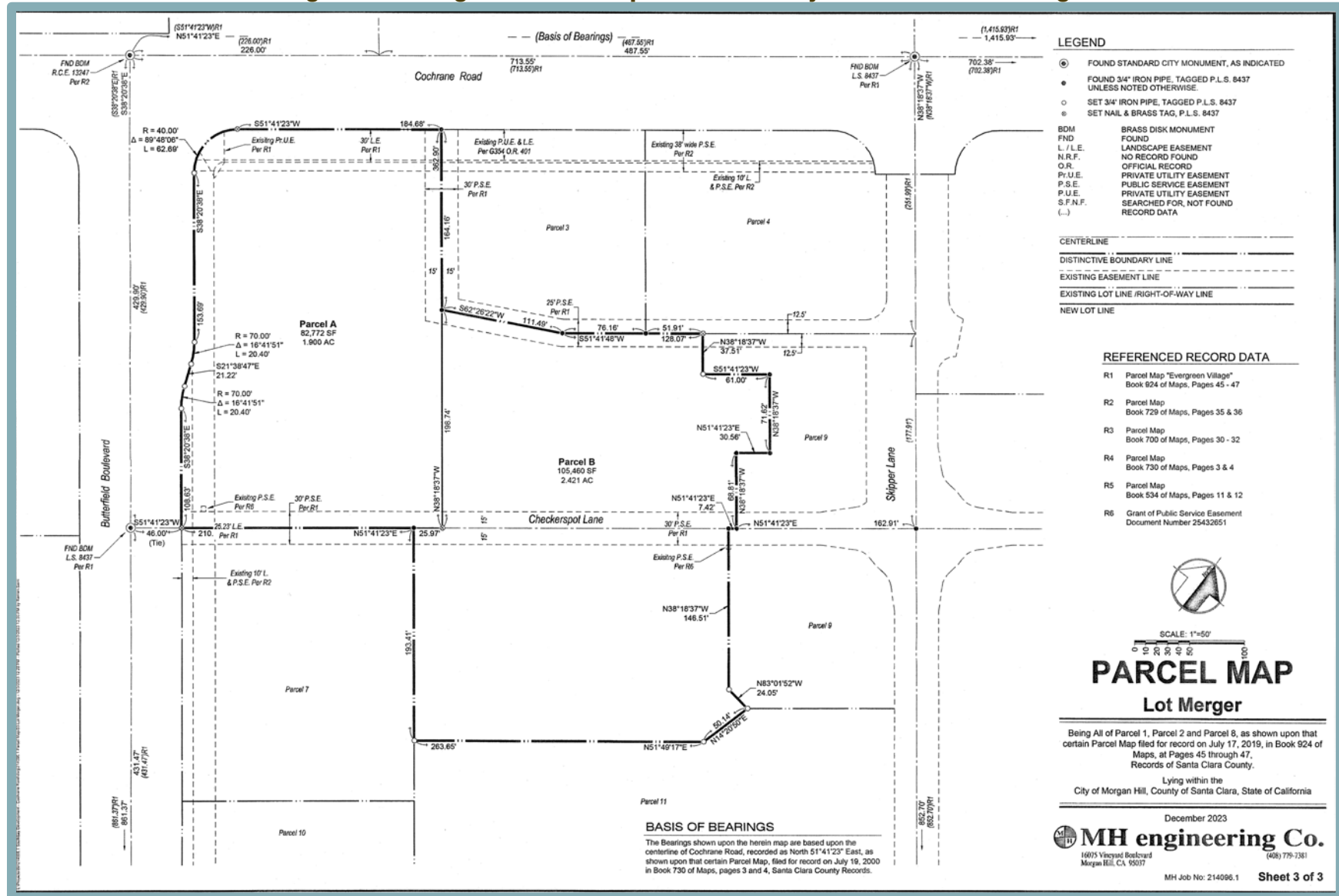


Figure 2
Project Site Boundaries



Figure 3
Evergreen Village Parcel Map Lot Line Adjustment/Lot Merger



Proposed Restaurant and Dual-Lane Drive-Through

The proposed project would include development of a 2,899-sf Raising Cane's restaurant within the northcentral portion of the project site (see Figure 4). The interior of the restaurant would be comprised of a dining room, customer pick-up area, serving area, kitchen, manager's office, cooler/freezer area, and mechanical room. In addition, the exterior would include covered seating in an outdoor dining area located along the southern and western facades of the proposed restaurant. A covered trash and recycling bin enclosure would be located to the south of the restaurant. Additionally, outdoor park benches would be provided in a pedestrian plaza in the northwest portion of the site.

The proposed restaurant is anticipated to operate from 9:00 AM to 3:30 AM each day of the week. A total of approximately 45 to 50 full- and part-time employees would be employed as part of project operation, with an average of 12 employees on-site per shift. Customers would order inside the restaurant building or from their vehicles using the dual-lane drive-through.

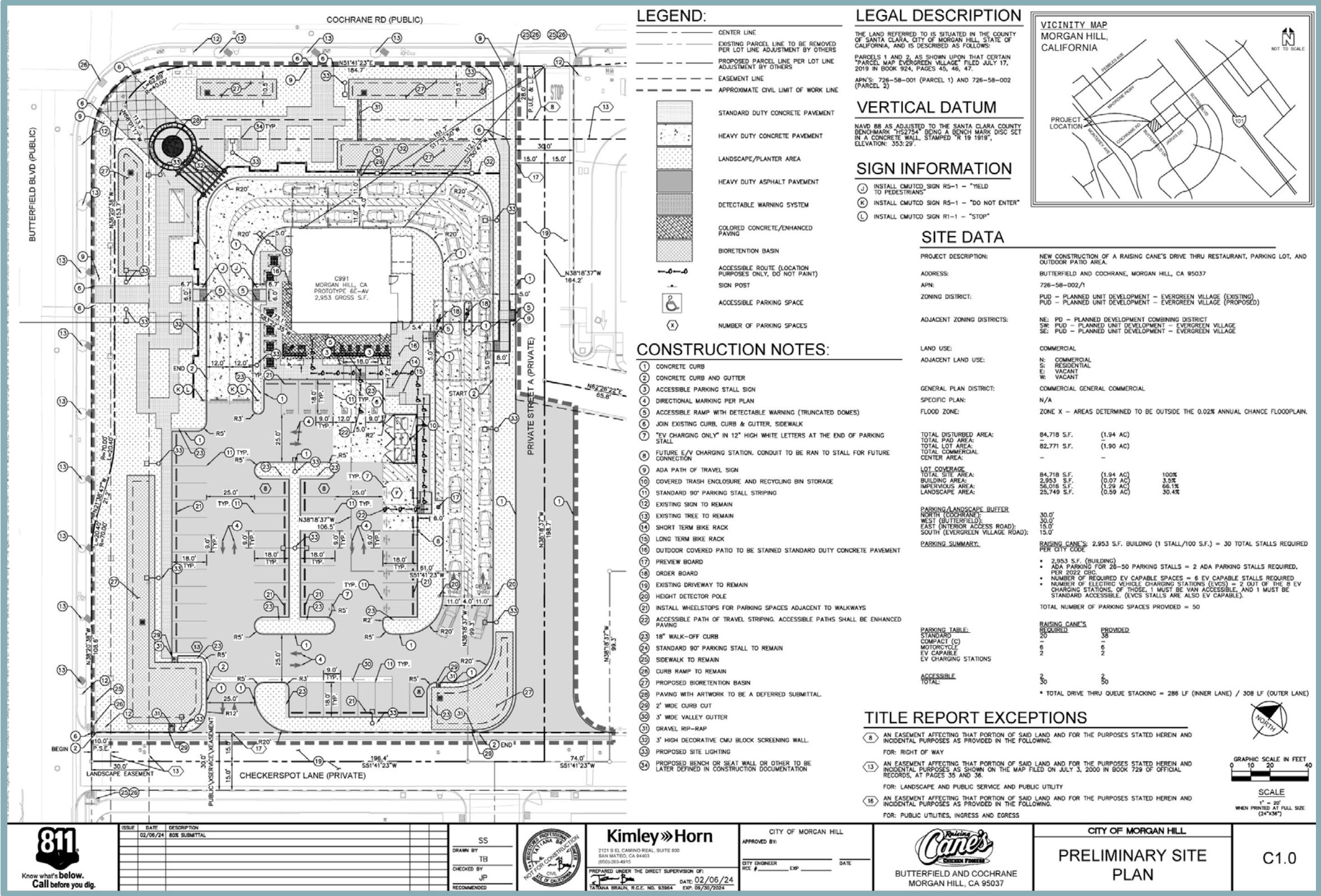
The proposed dual-lane drive-through would include two parallel 11-foot-wide travel lanes separated by a four-foot divider. Each lane would have a maximum queue capacity of 14 vehicles, assuming 20 feet per vehicle and full utilization of each lane between the drive-through entrance and pick-up window. Upon entering the project site from Checkerspot Lane, vehicles would immediately turn towards the east to access the dual-lane drive-through. From the drive-through entrance, the dual lanes would proceed towards the north along the eastern site boundary and eventually loop around the proposed restaurant. Each drive-through lane would include an ordering board, which would be equipped with automatic volume control (AVC), a feature that adjusts outbound volume based on the ambient noise level environment. During normal operations, vehicles would merge in a single lane as they proceed past the ordering board. During periods of higher demand, vehicles would remain in the dual-lane configuration as staff deliver food to customers in the outside lane. Vehicles would exit the dual-lane drive-through to the southwest of the restaurant and exit the project site through the proposed surface parking lot.

Access, Circulation, and Parking

Site access would be provided from Checkerspot Lane, which bounds the project site to the south. From Checkerspot Lane, vehicles would access the site through a 25-foot-wide driveway that would extend northward into the site, connecting to an internal 25-foot-wide drive aisle that would loop through the proposed surface parking lot and also provide access to the dual-lane drive-through entrance. In addition, the existing private driveway, which bounds a portion of the eastern site boundary, would be extended south and connect to Checkerspot Lane. With respect to parking, the proposed project would include a total of 50 surface parking stalls to the south of the restaurant. Of the total, two parking stalls would be ADA-compliant, another six stalls would be EV capable spaces, and two stalls would include EV charging stations.

With regard to bicycle parking, the proposed project would include bike racks for short-term and long-term bicycle parking immediately to the northeast of the on-site parking lot. In addition, with respect to pedestrian access, existing sidewalks are located adjacent to the north and west of the project site, along Cochrane Road and Butterfield Boulevard, respectively. An existing, approximately 35-foot-long sidewalk segment also extends south from Cochrane Road into the project site, parallel to the private driveway that bounds the eastern site boundary. From the existing sidewalk stub, a new sidewalk would extend southward along a portion of the eastern site boundary and would include an ADA-compliant ramp immediately south of the drive-through ordering boards.

Figure 4
Preliminary Site Plan



Additionally, from the existing sidewalks along Cochrane Road and Butterfield Boulevard, three new paved pathway connections would extend into the site and connect to the outdoor pedestrian plaza in the northwestern portion of the site.

Utilities

Water and sewer services for the proposed project would be provided through connections to existing City infrastructure located adjacent to the project site (see Figure 4). From the existing water line in Cochrane Road, a new two-inch water line would extend southward into the project site and connect to the proposed restaurant at the northwestern corner of the building. Additionally, a new six-inch fire water line would be extended from the existing water line in Cochrane Road and connect to the restaurant at the northwestern corner of the building.

With respect to sewer service, an existing sewer line proceeds in an east-west direction through the northern portion of the project site and connects to an existing sewer line in Butterfield Boulevard to the west of the site. New four- and six-inch sewer lines would connect to the existing sewer line. The new sewer lines would extend southward to the proposed restaurant's eastern façade. In addition, a new grease waste line would extend from the restaurant, as well as from a drain within the proposed trash and recycling bin enclosure, and connect to a 1,500-gallon grease interceptor, which would be located within the outer drive-through lane. From the grease interceptor, flows would discharge to the proposed four-inch sewer line.

With respect to storm drainage infrastructure, the project site would be divided into five on-site drainage management areas (DMAs 1 through 5) and two DMAs along the site's Butterfield Boulevard frontage (OFF-1 and OFF-2) for the purposes of collecting and treating stormwater runoff from the site's new impervious surfaces (see Figure 5). In order to treat flows from the project site prior to discharging to the City's public storm drain system, the proposed project would include at least one bioretention basin in DMAs 1 through 5. Runoff within the DMAs would surface flow towards each DMA's respective bioretention basin(s). Following treatment, flows would be conveyed from the bioretention basins to either an underground detention system in DMA 1 or DMA 4. Flows stored within the underground detention system in DMA 4 would be conveyed to the underground detention system in DMA 1, which would ultimately meter treated runoff to the City's existing storm drain system in Butterfield Boulevard to the northwest of the project site.

Finally, electricity would be provided to the proposed project by Pacific Gas & Electric Co. (PG&E) through the existing underground utility lines in the project vicinity. The proposed project would not include natural gas, as natural gas has been prohibited in all new construction since March 1, 2020, pursuant to City Ordinance No. 2306.

Landscaping

Pursuant to Section 18.64.050 of the City's Municipal Code, landscaping would be provided throughout the project site in accordance with the City's Standard Details for Construction. The proposed project would include the planting of various trees, shrubs, and grasses along the site perimeter and within the proposed parking area (see Figure 6).

Conditional Use Permit and Design Permit

Pursuant to Morgan Hill Municipal Code Section 18.24.010, the purpose of the CG zoning district is to provide a location for a broad range of commercial and employment uses to serve the City's residents, workers, and visitors. Furthermore, according to Morgan Hill Municipal Code Section 18.24.020, a drive-through restaurant is permitted within the CG zoning district with approval of a CUP.

Figure 5
Preliminary Utility Plan

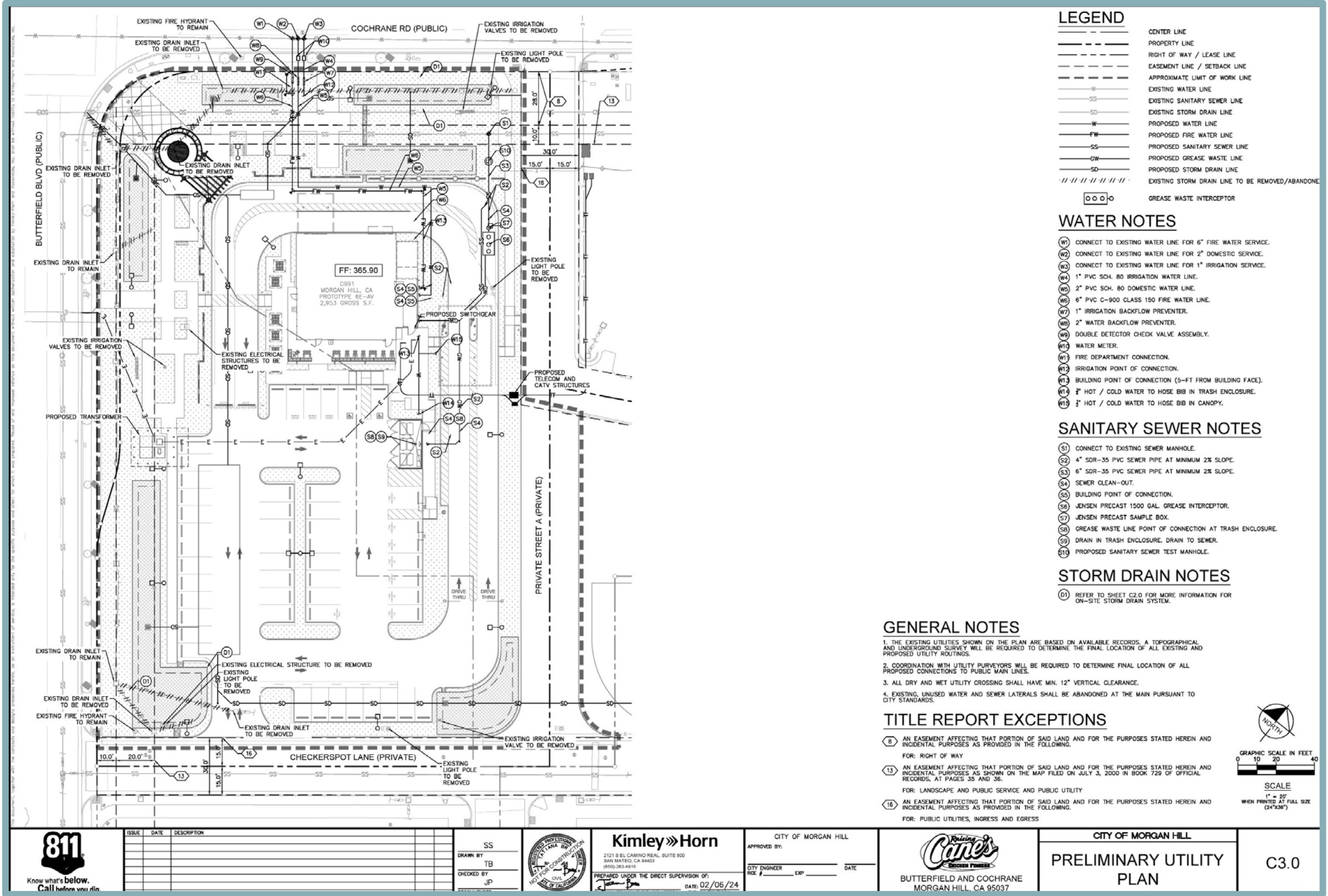


Figure 6
Preliminary Stormwater Control Plan

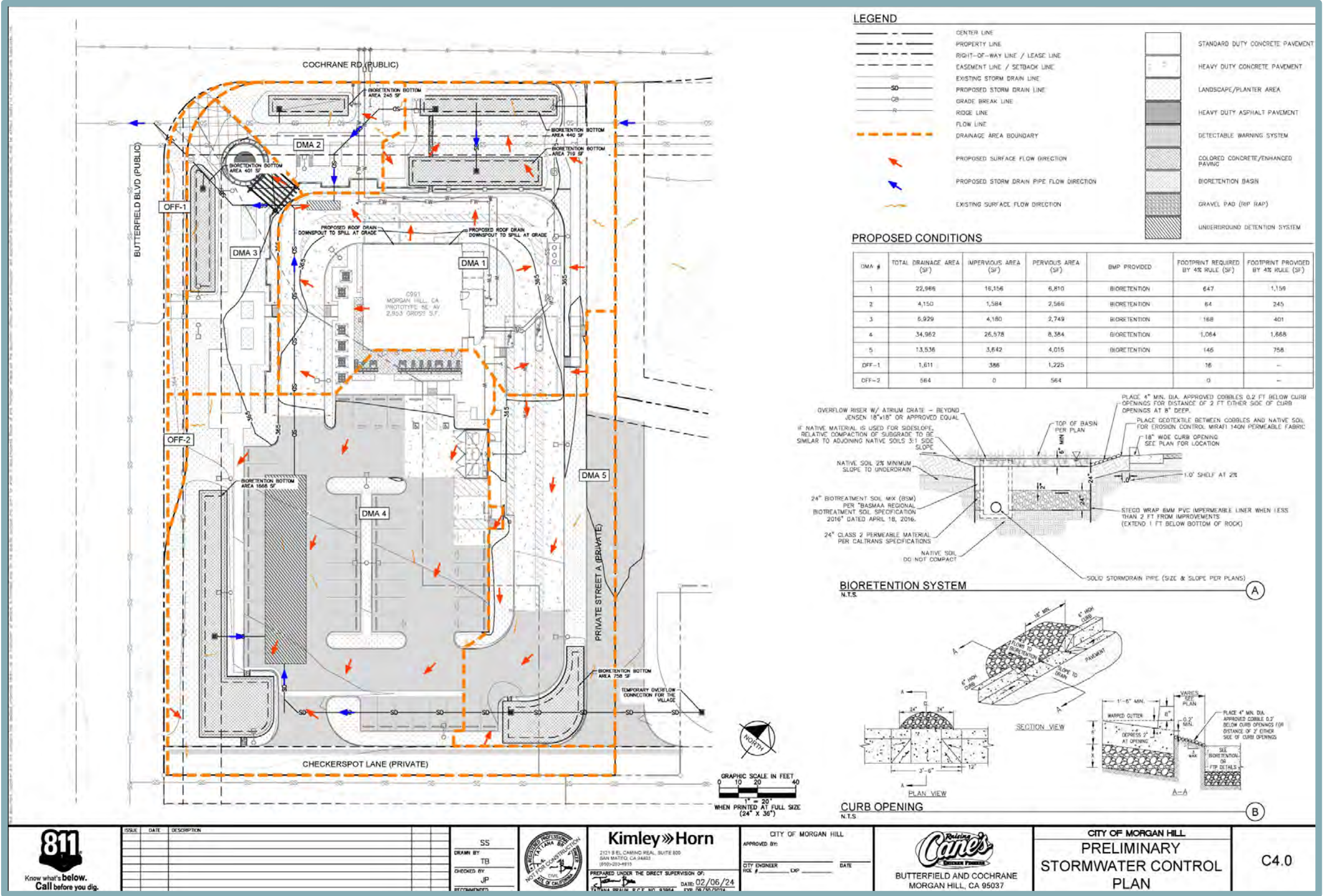
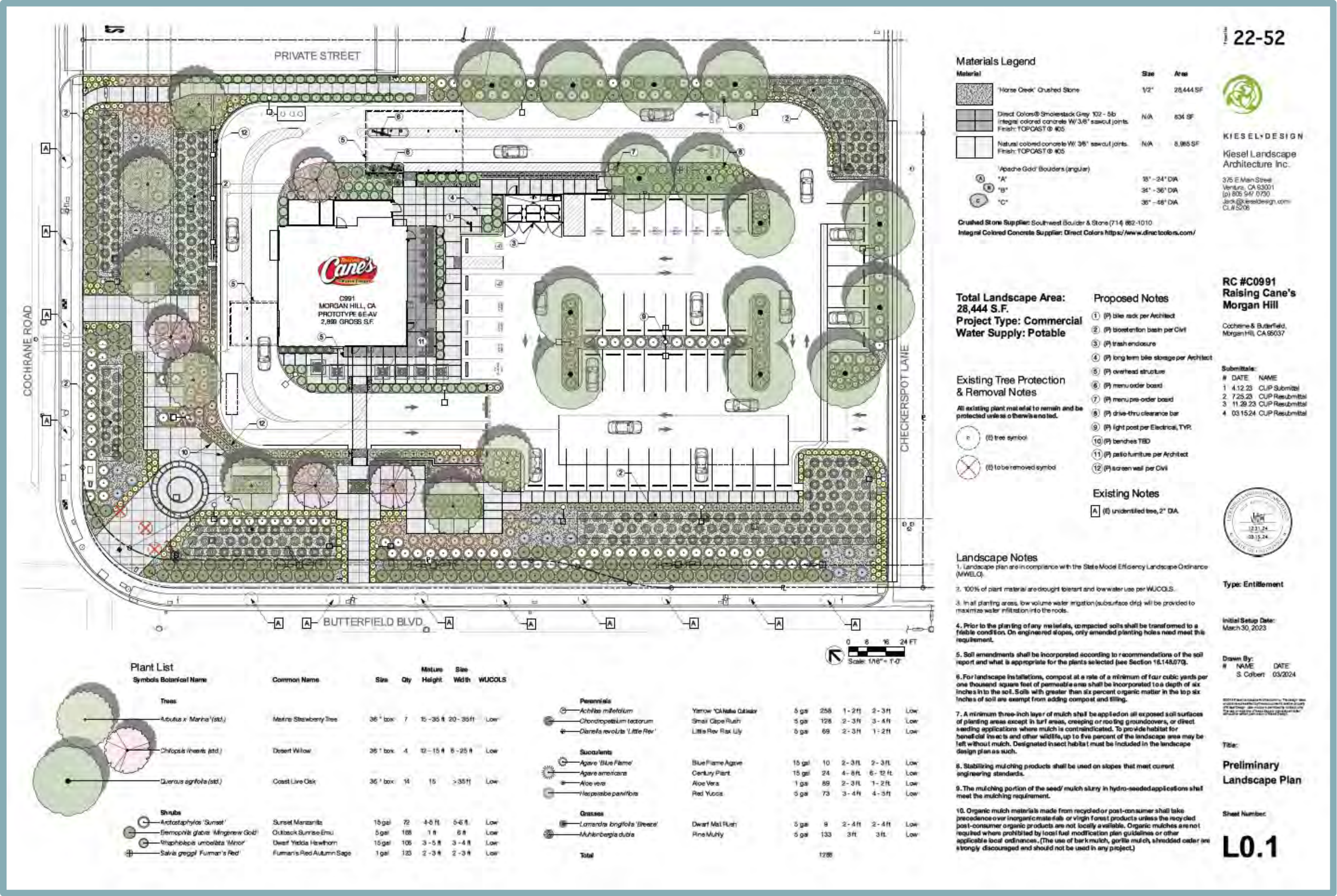


Figure 7
Preliminary Landscape Plan



Pursuant to Morgan Hill Municipal Code Section 18.108.040, the City's Design Permit review process allows the City to ensure a project is consistent with applicable regulations and standards related to various criteria, including, but not limited to, community character, neighborhood compatibility, safety, architectural style, and parking and access.

Required Approvals

The proposed project would require the City's approval of the following:

- Conditional Use Permit; and
- Design Permit.

H. SUMMARY

The following section contains a summary showing that the proposed project can be considered exempt from CEQA and is not subject to any of the exceptions set forth in Section 15300.2 of the CEQA Guidelines. As demonstrated throughout this Initial Study, the proposed project qualifies for exemption under CEQA Guidelines Section 15332, Class 32.

In-Fill Development Project Exemption

Article 19 of the CEQA Guidelines, Sections 15300 through 15333, includes a list of classes of projects that have been determined not to have a significant effect on the environment, and are therefore exempt from CEQA. Section 15332 of the CEQA Guidelines provides a categorical exemption for infill development projects that meet the following criteria:

- (a) The project is consistent with the applicable general plan designation and all applicable general plan polices as well as with applicable zoning designation and regulations.
- (b) The proposed development occurs within the city limits on a project site of no more than five acres substantially surrounded by urban uses.
- (c) The project site has no value as habitat for endangered, rare or threatened species.
- (d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.
- (e) The site can be adequately served by all required utilities and public services.

The applicability of the above criteria to the proposed project is summarized in the following sections.

Criterion 15332(a): General Plan and Zoning Consistency

The below discussion demonstrates the project's consistency with the General Plan designation and applicable General Plan policies, as well as the zoning designation and regulations.

The City's General Plan designates the site Commercial and the site is zoned CG-PUD. The Commercial land use designation allows for a wide range of retail businesses, administrative and executive office uses, and professional services, either in stand-alone buildings or as part of shopping centers. Additionally, a drive-through facility is allowed within the CG-PUD zoning district with approval of a CUP. Therefore, the proposed project would not conflict with the site's land use designation or zoning.

Furthermore, the proposed project would comply with applicable General Plan policies and zoning regulations adopted for the purpose of avoiding and/or mitigating adverse environmental effects. For example, Section 18.76.060 (Glare) of the Morgan Hill Municipal Code includes such requirements as cut-off lenses to direct light downward and minimum lighting standards for

walkways to ensure safe nighttime conditions. The proposed project would be required to adhere to the applicable policies and standards listed in the City's General Plan and Municipal Code.

In addition, General Plan Policy TR-3.4 establishes level of service (LOS) standards for City of Morgan Hill intersections. While Section 15064.3 of the CEQA Guidelines provides that analysis of vehicle miles travelled (VMT) attributable to a project is the most appropriate measure of transportation impacts (see Section XVII, Transportation, of this Initial Study), the proposed project must still comply with applicable General Plan policies such as the LOS standards set forth by Policy TR-3.4. The LOS standard for City of Morgan Hill intersections is LOS D, with limited exceptions that do not apply to the eight study intersections evaluated for the proposed project. A Trip Generation and Operations Analysis was prepared for the proposed project by Hexagon Transportation Consultants, Inc. (see Appendix A of this Initial Study), which includes evaluation of the LOS at the following intersections under existing and 2030 cumulative traffic conditions, both with and without project traffic:³

1. Monterey Road and Cochrane Road;
2. Butterfield Boulevard and Cochrane Road;
3. Woodview Avenue and Cochrane Road;
4. Sutter Boulevard and Cochrane Road;
5. Madrone Parkway/Cochrane Plaza and Cochrane Road;
6. US-101 Southbound Ramps and Cochrane Road;
7. US-101 Northbound Ramps and Cochrane Road; and
8. Sutter Boulevard and Cochrane Plaza.

As previously discussed, the proposed restaurant's standard hours of operation are anticipated to be 9:00 AM to 3:30 AM daily. The proposed project would generate only a minimal number of trips associated with morning shift employees (at most 12 employees) during the AM peak hour (7:00 AM to 9:00AM). Therefore, the Trip Generation and Operations Analysis evaluated the magnitude of traffic entering and exiting the project site during only the PM peak hour (4:00 PM to 6:00 PM). According to the Trip Generation and Operations Analysis, the foregoing intersections currently operate at LOS D or better under existing (No Project) conditions. In addition, the Trip Generation and Operations Analysis determined that the addition of project traffic would not result in the degradation of the study intersections' LOS during the PM peak hours under both Existing Plus Project conditions and 2030 Cumulative Plus Project conditions. In addition, the unsignalized study intersection of Sutter Boulevard and Cochrane Plaza is projected to have traffic volumes that fall below the thresholds that warrant signalization under Existing Plus Project conditions. Therefore, the addition of project traffic would not result in the degradation of the study intersections' LOS during the PM peak hours, and the proposed project would not conflict with General Plan Policy TR-3.4.

In addition, the proposed project would be consistent with the noise standards established in the City's General Plan and the Municipal Code. See Section XIII, Noise, of this Initial Study, for more information.

Based on the above, the project would be consistent with applicable General Plan policies and City zoning designation and regulations, and the proposed project meets Criterion 15332(a).

³ Hexagon Transportation Consultants, Inc. *Trip Generation and Operations Analysis for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California*. March 1, 2024.

Criterion 15332(b): Project Location, Size, and Context

The project site consists of 1.9 acres located within the Morgan Hill City limits. The site is located near existing commercial development to the north, east, and south, industrial development to the north and south, and planned commercial development to the east. Thus, the proposed project meets Criterion 15332(b).

Criterion 15332(c): Endangered, Rare, or Threatened Species

The site is currently undeveloped. As discussed further in Section IV, Biological Resources, of this Initial Study, the project site is located within the boundaries of the Santa Clara Valley Habitat Plan (SCVHP) permit area. The SCVHP designates the project site as Grain, Row-crop, Hay and Pasture, Disked/Short-term Fallowed land cover. Typically, species covered by the SCVHP have a reduced likelihood to occur within Grain, Row-crop, Hay and Pasture, Disked/Short-term Fallowed areas. In addition, the project site has been previously mass graded and is subject to routine mowing. Pursuant to the Santa Clara Valley Habitat Agency Geobrowser, the project site is not located within a designated Plant or Wildlife Survey Area for any Covered Species. The project applicant would be subject to payment of all applicable development fees according to the SCVHP. Due to the previous mass grading, routine mowing, and the primarily developed and/or disturbed surrounding uses, the project site does not provide habitat value for endangered, rare, or threatened species. Thus, the proposed project meets Criterion 15332(c).

Criterion 15332(d): Traffic, Noise, Air Quality, and Water Quality

The following sections present a summary of the Initial Study analysis regarding potential effects related to traffic, noise, air quality, and water quality resulting from implementation of the proposed project. As demonstrated below, the proposed project meets Criterion 15332(d).

Traffic

As discussed further in Section XVII, Transportation, of this Initial Study, the *Technical Advisory on Evaluating Transportation Impacts in CEQA* published by the Governor's Office of Planning and Research (OPR) in December 2018 provides recommendations regarding VMT evaluation methodology, significance thresholds, and screening thresholds for land use projects. The proposed project may be presumed to be a local-serving facility and would, therefore, have a less-than-significant impact on VMT.

In addition, the proposed project is consistent with the project site's existing General Plan land use and zoning designations. Therefore, vehicle trip generation associated with the project site and associated effects on local transportation facilities have been generally anticipated by the City and accounted for in regional planning efforts.

Noise

Operations associated with the proposed project would generate noise associated with parking lot movements, drive-through operations (vehicle passages and amplified ordering board noise), on-site vehicle circulation, outdoor patio noise (patrons conversing), delivery truck circulation and delivery activities, and non-transportation sources, such as landscaping, maintenance, and heating, ventilation, and air conditioning (HVAC) equipment. As discussed further in Section XIII, Noise, of this Initial Study, none of the foregoing noise generation sources would substantially increase noise levels from what currently exists in the project area.

During construction, the proposed project would result in short-term noise level increases in the project vicinity. However, the Morgan Hill Municipal Code does not specify any short-term construction noise level limits. Construction activities would occur during normal daytime hours,

as Morgan Hill Municipal Code Chapter 8.28 prohibits construction activities between 8:00 PM and 7:00 AM, Monday through Friday, and between 6:00 PM and 9:00 AM on Saturdays. Given the restrictions on construction hours and the City's standard conditions of approval requiring the use of best-available technology by construction contractors to minimize excessive noise from construction equipment, the proposed project would not result in a substantial temporary increase in noise generation during construction activities. In addition, the proposed project is consistent with the project site's land use and zoning designations. Therefore, noise generation associated with the proposed project has been generally anticipated by the City and accounted for in regional planning efforts.

Air Quality

A detailed discussion of applicable thresholds of significance and estimated construction and operational emissions is presented in Section III, Air Quality, of this Initial Study. As discussed therein, the proposed project would result in maximum construction and operational criteria air pollutant emissions that are below the applicable thresholds of significance. Because the proposed project would result in emissions below the applicable thresholds of significance, the proposed project would not result in a significant contribution to the region's existing air quality conditions. Therefore, the proposed project is not anticipated to result in short-term construction-related or long-term operational emissions of air quality pollutants that would be considered to have the potential to result in significant effects on the environment.

Water Quality

As discussed further in Section X, Hydrology and Water Quality, of this Initial Study, the proposed project would include at least one bioretention basin in DMAs 1 through 5. Runoff within the DMAs would surface flow towards each DMA's respective bioretention basin(s). Following treatment, flows would be conveyed from the bioretention basins to either an underground detention system in DMA 1 or DMA 4. Flows stored within the underground detention system in DMA 4 would be conveyed to the underground detention system in DMA 1, which would ultimately meter treated runoff to the City's existing storm drain system in Butterfield Boulevard to the northwest of the project site. All proposed post-construction stormwater control measures would be designed in accordance with the Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements for the City of Morgan Hill, City of Gilroy and County of Santa Clara. In addition, the final drainage system design for the proposed project would be subject to review and approval by the City Engineer to confirm that the proposed drainage system is consistent with the City's Storm Drainage Master Plan and standard stormwater-related conditions of approval. Therefore, the proposed project would not result in any significant effects related to water quality.

Criterion 15332(e): Utilities and Public Services

Water and sewer service for the proposed project would be provided by the City through new connections to existing infrastructure within the immediate project vicinity. Given the presence of existing utility infrastructure, the proposed project would not require substantial off-site utility improvements. In addition, as discussed further in Section XV, Public Services, and Section XIX, Utilities and Service Systems, of this Initial Study, the proposed project would not exceed the capacity of the public service or utility providers that would serve the proposed project. Thus, the proposed project would be adequately served by all required utilities and public services.

Exceptions to Categorical Exemptions Analysis

Even if a project is ordinarily exempt under any of the potential categorical exemptions, CEQA Guidelines Section 15300.2 provides specific instances where exceptions to otherwise applicable exemptions apply. Exceptions to a categorical exemption apply in the following circumstances:

- (a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.
- (b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.
- (c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.
- (d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.
- (e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.
- (f) Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource.

The following analysis addresses whether any of the exceptions to the CEQA exemption apply to the proposed project.

Criterion 15300.2(a): Location

CEQA exemptions 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located. The project site is located within an urbanized area and is not located within a sensitive environment. Furthermore, as discussed under Criterion 15300.2(e), the project site is not located near environmental resources of hazardous or critical concern. Therefore, an exception to the exemption under CEQA Guidelines Section 15300.2(a) does not apply to the proposed project.

Criterion 15300.2(b): Cumulative Impact

Pursuant to CEQA Section 15300.2(b), in applying this exception, the cumulative impact must result from “successive projects of the same type in the same place.” Both the “same type” and “same place” limitations restrict the scope of this exception.⁴ The project site is bounded by Cochrane Road to the north, Checkerspot Lane to the south, and Butterfield Boulevard to the west. In addition, a private driveway extending south from Cochrane Road bounds a portion of the eastern site boundary. Surrounding existing land uses include a single-family residence, animal hospital, industrial park uses, and surface parking lot areas to the north, across Cochrane Road; previously graded, undeveloped land and a Starbucks drive-through restaurant to the east, across the private driveway; a 7-Eleven gas station, convenience store, and car wash and the site of a City-approved Chick-fil-A restaurant and drive-through further to the east; previously graded, undeveloped land to the south, across Checkerspot Lane; industrial park uses further to the south;

⁴ Stephen L. Kostka and Michael H. Zischke. *Practice Under the California Environmental Quality Act, Second Edition* [pg. 5-68]. March 2019 Update.

multi-family housing (attached residences) to the southwest, across Butterfield Boulevard; and multi-family housing (apartments) to the west, across Butterfield Boulevard.

The proposed project is consistent with the project site's Commercial designation and CG-PUD zoning. Therefore, cumulative impacts associated with buildout of the project site with the proposed uses have been generally anticipated by the City and analyzed in the General Plan EIR. As discussed above, the proposed project would not exceed the capacity of the existing utility infrastructure in the project vicinity or require other related improvements with the potential to result in cumulatively considerable impacts.

In addition, as discussed above, the Trip Generation and Operations Analysis prepared for the proposed project determined that the addition of project traffic would not result in the degradation of the study intersections' LOS during the PM peak hour under both Existing Plus Project and 2030 Cumulative Plus Project conditions. Therefore, the addition of project traffic would not result in the degradation of the study intersections' LOS during the PM peak hour under cumulative conditions.

With regard to ambient noise, as discussed further in Section XIII, Noise, of this Initial Study, the calculated noise levels generated by on-site operations in combination with cumulative conditions, including full development of the Evergreen Village PD Master Plan, is not anticipated to generate a significant noise increase above the City's applicable thresholds. In addition, construction noise is intermittent and temporary and, thus, would not contribute to the cumulative noise environment. Therefore, noise impacts would not be cumulatively considerable.

In addition, as discussed above, the proposed project would result in maximum construction and operational criteria air pollutant emissions that are below the applicable thresholds of significance. Therefore, the proposed project is not anticipated to result in short-term construction-related or long-term operational emissions of air quality pollutants that would be considered to have the potential to result in a cumulatively considerable impact on the environment.

Thus, the proposed project would not result in a cumulative impact, and an exception to the exemption under CEQA Guidelines Section 15300.2(b) does not apply to the proposed project.

Criterion 15300.2(c): Significant Effect

In listing a class of projects as exempt, the Secretary has determined that the environmental changes typically associated with projects in that class are not significant effects within the meaning of CEQA, even though an argument might be made that they are potentially significant. The plain language of Guidelines Section 15300.2, subdivision (c), requires that a potentially significant effect must be "due to unusual circumstances" for the exception to apply.

The determination as to whether "unusual circumstances" (CEQA Guidelines Section 15300.2[c]) exist is reviewed under Public Resources Code (PRC) Section 21168.5's substantial evidence prong. Whether a particular project presents circumstances that are unusual for projects in an exempt class is an essential factual inquiry. As to this question, the lead agency serves as "the finder of fact".

Unusual circumstances are not defined by the CEQA Guidelines, but potential site characteristics could include sensitive habitats or contamination. The project site does not include any aquatic features or otherwise sensitive habitat and is not included on any lists of hazardous waste sites. In addition, the project site is designated by the Federal Emergency Management Agency (FEMA) as Zone X, which is not considered a Special Flood Hazard Area.

Thus, an exception to the exemption under CEQA Guidelines Section 15300.2(c) does not apply to the proposed project.

Criterion 15300.2(d): Scenic Highway

According to the California Department of Transportation (Caltrans) Scenic Highway Mapping System, officially designated State scenic highways do not occur in the project vicinity.⁵ Thus, an exception to the exemption under CEQA Guidelines Section 15300.2(d) does not apply to the proposed project.

Criterion 15300.2(e): Hazardous Waste Sites

The California Environmental Protection Agency (CalEPA) provides a list of data resources that provide information regarding the facilities or sites identified as meeting the “Cortese List” requirements, pursuant to Government Code Section 65962.5. Pursuant to a search of the State Water Resources Control Board’s (SWRCB) GeoTracker data management system, hazardous materials sites, including leaking underground storage tank (LUST) sites and Department of Toxic Substances Control (DTSC) cleanup sites, have not been identified on or within a 1,000-foot radius of the project area.⁶ In addition, the project site is not located on or near any hazardous waste sites identified on the DTSC EnviroStor Hazardous Waste and Substance Site List.⁷ The GeoTracker and EnviroStor databases are each a portion of the Cortese List. Thus, an exception to the exemption under CEQA Guidelines Section 15300.2(e) does not apply to the proposed project.

Criterion 15300.2(f): Historical Resources

The project site is currently undeveloped, has been previously mass graded, and is subject to routine mowing. As such, the site has been subject to significant disturbance, and is unlikely to contain any cultural resources. Furthermore, existing structures do not occur on-site, and thus, the project site does not contain structures that could be considered eligible for listing under the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR). Therefore, the proposed project would not result in a substantial adverse change in the significance of a historical resource, and an exception to the exemption under CEQA Guidelines Section 15300.2(f) does not apply to the proposed project.

I. ENVIRONMENTAL CHECKLIST

The following checklist contains the environmental checklist form presented in Appendix G of the CEQA Guidelines. The checklist form is used to evaluate the potential impacts of the proposed project. A discussion follows each environmental issue identified in the checklist. For this checklist, the following designations are used:

Potentially Significant Impact: An impact that could be significant, and for which mitigation has not been identified. If any potentially significant impacts are identified, an EIR must be prepared.

⁵ California Department of Transportation. *California State Scenic Highway System Map*. Available at: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed January 2024.

⁶ State Water Resources Control Board. *GeoTracker*. Available at: <https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=morgan+hill>. Accessed January 2024.

⁷ Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: <https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=18599+Sutter+Boulevard%2C+Morgan+Hill%2C+CA>. Accessed January 2024.

Less Than Significant with Mitigation Incorporated: An impact that requires mitigation to reduce the impact to a less-than-significant level.

Less-Than-Significant Impact: Any impact that would not be considered significant under CEQA relative to existing standards.

No Impact: The project would not have any impact.

I. AESTHETICS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a,c. Examples of typical scenic vistas include mountain ranges, ridgelines, or bodies of water as viewed from a highway, public space, or other area designated for the express purpose of viewing and sightseeing. In general, a project's impact to a scenic vista would occur if development of the project would substantially change or remove a scenic vista. The City's General Plan does not designate official scenic view corridors or vistas. However, according to the General Plan, the hillsides that surround the City to the east and west are considered scenic. The project site is generally surrounded by existing development and is not located on a hillside or in the vicinity of a hillside. While distant views of the hills to the east and west of the City are visible to motorists, bicyclists, and pedestrians travelling along Cochrane Road and Butterfield Boulevard, neither street is considered a scenic route.

Because the project site is located in an urbanized area, this discussion focuses on project consistency with applicable zoning and other regulations governing scenic quality.

The project site is zoned CG-PUD. Pursuant to Morgan Hill Municipal Code Section 18.24.030, structures within the CG-PUD zoning district may not exceed a height of 35 feet. The proposed height of the restaurant would be a maximum height of approximately 22 feet. The project would also be required to comply with the required setbacks for the CG-PUD zoning district. Furthermore, the proposed project would include new landscaping trees, shrubs, and grasses, which would be selected and irrigated in compliance with the landscaping requirements set forth in Morgan Hill Municipal Code Chapter 18.64. Thus, the project would comply with the applicable zoning regulations regarding scenic quality. Additionally, the proposed project requires approval of a Design Permit in accordance with Morgan Hill Municipal Code Section 18.108.040, which would ensure that the project is consistent with the applicable design and development standards.

Based on the above, the proposed project would not have a substantial adverse effect on a scenic vista or conflict with applicable zoning and other regulations governing scenic quality. Thus, **no impact** would occur.

- b. According to the State Scenic Highway Mapping System, officially designated State scenic highways do not occur in the project vicinity.⁸ Because the project site is not located in the vicinity of any State scenic highway, the proposed project would not damage any scenic resources within a State scenic highway. Therefore, ***no impact*** related to damaging scenic resources within a State scenic highway would occur.
- d. As noted previously, the project site is currently undeveloped. The project site is generally surrounded by existing development, and streetlights are provided along Cochrane Road and Butterfield Boulevard. Thus, the project site and vicinity already contain existing sources of light and glare, including, but not limited to, headlights on cars traveling along the adjacent roadways, exterior light fixtures, light reflecting off windows, and interior light spilling through windows.

New sources of lighting included in the proposed project would be required to comply with Section 18.76.060 (Glare) of the Morgan Hill Municipal Code, which includes requirements such as cut-off lenses to direct light downward and minimum lighting standards for walkways to ensure safe nighttime conditions. Compliance with the foregoing requirements would help to ensure that the light and glare created by the proposed project would be consistent with the levels of light and glare currently emitted in the surrounding developed environment. Therefore, the proposed project would not introduce new sources of substantial light or glare to the site which would adversely affect day or nighttime views in the area, and ***no impact*** would occur.

⁸ California Department of Transportation. *California State Scenic Highway System Map*. Available at: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed January 2024.

II. AGRICULTURE AND FOREST RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a,e. According to the California Department of Conservation (DOC) Farmland Mapping and Monitoring Program, the project site is designated primarily as "Farmland of Local Importance," with the existing on-site landscaping located parallel to the northern site boundary designated as "Urban and Built-Up Land." In addition, the project site does not contain existing trees. PRC Section 21060.1 defines "agricultural land" as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland. Therefore, development of the proposed project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use, or otherwise result in the loss of Farmland to non-agricultural use or forest land to non-forest use. Based on the above, **no impact** would occur as a result of the proposed project.
- b. The project site is not zoned or designated for agricultural purposes and is not under a Williamson Act contract.⁹ Therefore, buildout of the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract, and **no impact** would occur.
- c,d. The project site is not considered forest land (as defined in PRC Section 12220[g]), timberland (as defined by PRC Section 4526), and is not zoned Timberland Production (as defined by Government Code Section 51104[g]). Therefore, the proposed project would have **no impact** with regard to conversion of forest land or any potential conflict with forest land, timberland, or Timberland Production zoning.

⁹ City of Morgan Hill. *Morgan Hill 2035 Environmental Impact Report* [pg. 4.2-4]. Certified July 2016.

III. AIR QUALITY.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☐	✗
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☐	✗

Discussion

- a,b. The City of Morgan Hill is located in the San Francisco Bay Area Air Basin (SFBAAB), which is under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD). The SFBAAB area is currently designated as a nonattainment area for the State and federal ozone, State and federal fine particulate matter 2.5 microns in diameter (PM_{2.5}), and State respirable particulate matter 10 microns in diameter (PM₁₀) ambient air quality standards (AAQS). The SFBAAB is designated attainment or unclassified for all other AAQS. It should be noted that on January 9, 2013, the U.S. Environmental Protection Agency (USEPA) issued a final rule to determine that the Bay Area has attained the 24-hour PM_{2.5} federal AAQS. Nonetheless, the Bay Area must continue to be designated as nonattainment for the federal PM_{2.5} AAQS until such time as the BAAQMD submits a redesignation request and a maintenance plan to the USEPA, and the USEPA approves the proposed redesignation. The USEPA has not yet approved a request for redesignation of the SFBAAB; therefore, the SFBAAB remains in nonattainment for 24-hour PM_{2.5}.

In compliance with regulations, due to the nonattainment designations of the area, the BAAQMD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The current air quality plans are prepared in cooperation with the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG).

The most recent federal ozone plan is the 2001 Ozone Attainment Plan, which was adopted on October 24, 2001 and approved by the California Air Resources Board (CARB) on November 1, 2001. The plan was submitted to the USEPA on November 30, 2001 for review and approval. The most recent State ozone plan is the 2017 Clean Air Plan, adopted on April 19, 2017. The 2017 Clean Air Plan was developed as a multi-pollutant plan that provides an integrated control strategy to reduce ozone, PM, toxic air contaminants (TACs), and greenhouse gases (GHGs). Although a plan for achieving the State PM₁₀ standard is not required, the BAAQMD has prioritized measures to reduce PM in developing the control strategy for the 2017 Clean Air Plan. The control strategy serves as the backbone of the BAAQMD's current PM control program.

The aforementioned air quality plans contain mobile source controls, stationary source controls, and transportation control measures to be implemented in the region to attain the State and federal AAQS within the SFBAAB. Adopted BAAQMD rules and regulations, as well as the thresholds of significance, have been developed with the intent to ensure

continued attainment of AAQS, or to work towards attainment of AAQS for which the area is currently designated nonattainment, consistent with applicable air quality plans. For development projects, BAAQMD establishes significance thresholds for emissions of the ozone precursors reactive organic gases (ROG) and oxides of nitrogen (NO_x), as well as for PM₁₀, and PM_{2.5}, expressed in pounds per day (lbs/day) and tons per year (tons/yr). The thresholds are listed in Table 1. Thus, by exceeding the BAAQMD's mass emission thresholds for construction and/or operational emissions of ROG, NO_x, or PM₁₀, a project would be considered to conflict with or obstruct implementation of the BAAQMD's air quality planning efforts.

Table 1 BAAQMD Thresholds of Significance			
Pollutant	Construction	Operational	
	Average Daily Emissions (lbs / day)	Average Daily Emissions (lbs / day)	Maximum Annual Emissions (tons / year)
ROG	54	54	10
NO _x	54	54	10
PM ₁₀ (exhaust)	82	82	15
PM _{2.5} (exhaust)	54	54	10
<i>Source: BAAQMD, Air Quality Guidelines, April 2023.</i>			

PM can be split into two categories: fugitive and exhaust. The BAAQMD thresholds of significance for exhaust are presented in Table 1. It should be noted that BAAQMD does not maintain quantitative thresholds for fugitive emissions of PM₁₀ or PM_{2.5}, rather, BAAQMD requires all projects within the district's jurisdiction to implement Basic Construction Mitigation Measures (BCMMs) related to dust suppression.

The proposed project's construction and operational emissions were quantified using the California Emissions Estimator Model (CalEEMod) software version 2022.1.1.21 – a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, vehicle mix, trip length, average speed, compliance with the California Building Standards Code (CBSC), etc. Where project-specific information is available, such information should be applied in the model. Accordingly, the proposed project's modeling assumes construction would begin in October 2024 and occur over approximately eight months.

The proposed project's estimated emissions associated with construction and operations are provided below. All CalEEMod results are included as Appendix B to this Initial Study.

Construction Emissions

According to the CalEEMod results, the proposed project would result in maximum unmitigated construction criteria air pollutant emissions as shown in Table 2. As shown in the table, the proposed project's maximum unmitigated construction emissions would be below the applicable thresholds of significance.

Table 2 Maximum Unmitigated Construction Emissions (lbs/day)			
Pollutant	Proposed Project Emissions	Threshold of Significance	Exceeds Threshold?
ROG	1.69	54	NO
NO _x	16.1	54	NO
PM ₁₀ *	7.94	82	NO
PM _{2.5} *	4.14	54	NO
Note: * Denotes emissions from exhaust only. BAAQMD has not yet adopted PM thresholds for fugitive emissions.			
Source: CalEEMod, January 2024 (see Appendix B).			

All projects within the jurisdiction of the BAAQMD are required to implement all of the BAAQMD's BCMMs, which would be required by the City as conditions of approval:

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. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
7. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
8. Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a six- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
9. Publicly visible signs shall be posted with the telephone number and name of the 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 General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

The proposed project's required implementation of the BAAQMD's BCMMs listed above for the project's construction activities would help to further minimize construction-related emissions.

Because the proposed project would be below the applicable thresholds of significance for construction emissions, project construction would not result in a significant air quality impact.

Operational Emissions

According to the CalEEMod results, the proposed project would result in maximum unmitigated operational criteria air pollutant emissions as shown in Table 3. As shown in the table, the proposed project's operational emissions would be below the applicable thresholds of significance. As such, the proposed project would not result in a significant air quality impact during operations.

Table 3 Maximum Unmitigated Operational Emissions					
Pollutant	Proposed Project Emissions		Threshold of Significance		Exceeds Threshold?
	lbs / day	tons / yr	lbs / day	tons / yr	
ROG	4.42	0.70	54	10	NO
NO _x	3.18	0.39	54	10	NO
PM ₁₀ *	5.63	0.54	82	15	NO
PM _{2.5} *	1.46	0.14	54	10	NO
Note: * Denotes emissions from exhaust only. BAAQMD has not yet adopted PM thresholds for fugitive emissions.					
Source: CalEEMod, January 2024 (see Appendix B).					

Conclusion

As stated previously, the applicable regional air quality plans include the 2001 Ozone Attainment Plan and the 2017 Clean Air Plan. According to BAAQMD, if a project would not result in a significant and unavoidable air quality impact, after the application of all feasible mitigation, the project may be considered consistent with the air quality plans. Because the proposed project would result in emissions below the applicable thresholds of significance, the proposed project would not be considered to conflict with or obstruct implementation of regional air quality plans.

Because the proposed project would not conflict with or obstruct implementation of the applicable air quality plans, violate any air quality standards or contribute substantially to an existing or projected air quality violation, or result in a cumulatively considerable net increase in any criteria air pollutant, **no impact** would occur.

- c. Some land uses are considered more sensitive to air pollution than others, due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest existing sensitive receptors to the project site are the multi-family residences to the west of the project site, across Butterfield Boulevard.

The major pollutant concentrations of concern are localized carbon monoxide (CO) emissions and TACs, as well as regional effects of emissions of criteria pollutants, which are addressed in further detail below.

Localized CO Emissions

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. High levels of localized CO concentrations are only expected where background levels are high, and traffic volumes and congestion levels are high. Emissions of CO are of potential concern, as the pollutant is a toxic gas that results from the incomplete combustion of carbon-containing fuels such as gasoline or wood. CO emissions are particularly related to traffic levels.

In order to provide a conservative indication of whether a project would result in localized CO emissions that would exceed the applicable threshold of significance, the BAAQMD has established screening criteria for localized CO emissions. According to BAAQMD, a proposed project would result in a less-than-significant impact related to localized CO emission concentrations if all of the following conditions are true for the project:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans;
- The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour; and
- The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

Given that the proposed project is consistent with the site's current land use and zoning designations, the proposed project would not conflict with the Santa Clara Valley Transportation Authority (VTA) Congestion Management Program (CMP).¹⁰ Based on the Trip Generation and Operations Analysis prepared for the proposed project by Hexagon Transportation Consultants, Inc.,¹¹ the proposed project would generate 677 vehicle trips per day. According to the City's General Plan EIR, average daily two-way traffic on Butterfield Boulevard and Cochrane Road in the project vicinity is 22,207 trips and 20,436 trips, respectively.¹² Considering the proposed project is expected to generate up to 677 daily trips, traffic associated with the proposed development would not increase traffic volumes at any affected intersection to more than 44,000 vehicles per hour. Furthermore, areas where vertical and/or horizontal mixing is limited due to tunnels, underpasses, or similar features do not exist in the project area. Therefore, based on the BAAQMD's screening criteria for localized CO emissions, the proposed project would not be expected to result in substantial levels of localized CO at surrounding intersections or generate localized concentrations of CO that would exceed standards or cause health hazards.

TAC Emissions

Another category of environmental concern is TACs. The CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook) provides recommended setback distances for sensitive land uses from major sources of TACs, including, but not limited to, freeways and high-traffic roads, distribution centers, gas-dispensing facilities,

¹⁰ Santa Clara Valley Transportation Authority. 2021 Congestion Management Program Document. December 2021.

¹¹ Hexagon Transportation Consultants, Inc. Subject: Trip Generation and Operations Analysis for the Proposed 18599 Sutter Boulevard Chick-Fil-A in Morgan Hill, California. June 2, 2023.

¹² City of Morgan Hill. 2035 Environmental Impact Report [pg. 4.14-23]. Certified July 2016.

and rail yards. The CARB has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk. As noted above, the nearest existing sensitive receptors to the project site are the multi-family residences to the west of the project site, across Butterfield Boulevard.

The proposed project does not include any operations that would be considered a substantial source of TACs. Accordingly, operations of the proposed project would not expose sensitive receptors to excess concentrations of TACs.

Short-term, construction-related activities would result in the generation of TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. Construction is temporary and occurs over a relatively short duration in comparison to the operational lifetime of the proposed project. Health risks are typically associated with exposure to high concentrations of TACs over extended periods of time (e.g., 30 years or greater), whereas the construction period associated with the proposed project is estimated to be approximately one year.

All construction equipment and operation thereof would be regulated by the In-Use Off-Road Diesel Vehicle Regulation, which is intended to help reduce emissions associated with off-road diesel vehicles and equipment, including DPM. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. In addition, only portions of the site would be disturbed at a time throughout the construction period, with operation of construction equipment occurring intermittently throughout the course of a day rather than continuously at any one location on the project site. Operation of construction equipment within portions of the development area would allow for the dispersal of emissions and would ensure that construction activity is not continuously occurring in the portions of the project site closest to existing receptors. Because on-site construction equipment would not operate for long periods of time and would be used at varying locations within the site, associated emissions of DPM would not occur at the same location (or be evenly spread throughout the entire project site) for long periods of time. Due to the temporary nature of construction and the relatively short duration of potential exposure to associated emissions, the potential for any one sensitive receptor in the area to be exposed to concentrations of pollutants for a substantially extended period of time would be low.

Furthermore, the project applicant would be required to prepare, and include on all site development and grading plans, a management plan detailing strategies for control of noise, dust and vibration, and storage of hazardous materials during construction of the project. Pursuant to Section 18.76.040 (Air Contaminants) of the City's Municipal Code, the management plan must include all applicable BAAQMD rules and regulations, as well as the City's standard conditions for construction activity. The City of Morgan Hill Development Services Department would ensure that the BAAQMD's BCMs, listed under questions 'a' and 'b' above, would be noted on project construction drawings prior to issuance of a building permit or approval of improvement plans.

Criteria Pollutant Emissions

Criteria pollutant emissions have the ability to cause negative health effects. As discussed under question 'a' above, the AAQS presented are health-based standards designed to ensure safe levels of criteria pollutants that avoid specific adverse health effects. Because the SFBAAB is designated as nonattainment for State and federal eight-hour ozone and State PM₁₀ standards, the BAAQMD, along with other air districts in the SFBAAB region, has adopted federal and State attainment plans to demonstrate progress towards attainment of the AAQS. Full implementation of the attainment plans would ensure that the AAQS are attained and sensitive receptors within the SFBAAB are not exposed to excess concentrations of criteria pollutants. The BAAQMD's thresholds of significance were established with consideration given to the health-based air quality standards established by the AAQS, and are designed to aid the district in implementing the applicable attainment plans to achieve attainment of the AAQS. Thus, if a project's criteria pollutant emissions exceed the BAAQMD's emission thresholds of significance, a project would be considered to conflict with or obstruct implementation of the BAAQMD's air quality planning efforts, thereby delaying attainment of the AAQS. Because the AAQSs are representative of safe levels that avoid specific adverse health effects, a project's hinderance of attainment of the AAQS could be considered to contribute towards regional health effects associated with the existing nonattainment status of ozone and PM standards.

However, as discussed above, the proposed project would not result in exceedance of the BAAQMD's thresholds of significance. Consequently, implementation of the proposed project would not conflict with the BAAQMD's adopted attainment plans nor would the proposed project inhibit attainment of regional AAQS. Therefore, implementation of the proposed project would not contribute towards regional health effects associated with the existing nonattainment status of ozone and PM₁₀ standards.

Conclusion

Based on the above, the proposed project would not expose any sensitive receptors to substantial concentrations of localized CO, TACs, or criteria air pollutants associated with construction or operation. Therefore, the proposed project would not result in the exposure of sensitive receptors to substantial pollutant concentrations, and **no impact** would occur.

- d. Emissions such as those leading to odors have the potential to adversely affect sensitive receptors within the project area. Pollutants of principal concern include emissions leading to odors, emission of dust, or emissions considered to constitute air pollutants. Air pollutants have been discussed under questions 'a' through 'c' above. Therefore, the following discussion focuses on emissions of odors and dust.

Pursuant to the BAAQMD CEQA Guidelines, odors are generally regarded as an annoyance rather than a health hazard.¹³ Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The presence of an odor impact is dependent on several variables including the nature of the odor source, the frequency of odor generation, the intensity of odor, the distance of odor source to sensitive receptors, wind direction, and sensitivity of the receptor.

¹³ Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines* [pg. 7-1]. May 2017.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, quantification of significant odor impacts is relatively difficult. Typical odor-generating land uses include, but are not limited to, wastewater treatment plants, landfills, and composting facilities. The proposed project would not introduce any such land uses.

Construction activities often include diesel-fueled equipment and heavy-duty diesel trucks, which can create odors associated with diesel fumes, which could be found to be objectionable. However, as discussed above, construction activities would be temporary, and operation of construction equipment would be regulated and intermittent. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly those associated with permitting of air pollutant sources. The aforementioned regulations would help to minimize air pollutant emissions, as well as any associated odors. Accordingly, substantial objectionable odors would not occur during construction activities or affect a substantial number of people.

In addition, the proposed project would produce food waste, decomposition of which could create objectionable odors if not properly contained and handled. However, the proposed project would provide adequate waste receptacles throughout the facility and would utilize outdoor trash dumpsters that would be picked up on a regular basis. In addition, commercial uses such as fast-food restaurants that utilize deep fryers may create odorous emissions from cooking food, particularly oily foods. Operations of such sources could result in exposure of on-site receptors (i.e., customers for a short period of time and employees for an extended period of time) to objectionable odors. The potential exists for odors to carry off-site as well. However, fast-food restaurants typically have an exhaust hood that captures emissions from the cooking surface, as well as scrubbers for washing the cooking vapors and trapping some of the larger particles. Accordingly, the project would not be expected to create objectionable odors affecting a substantial number of people.

In addition, the BAAQMD rules and regulations would act to reduce construction-related dust, which would ensure that construction of the proposed project does not result in substantial emissions of dust. Following project construction, the project site would not include any exposed topsoil. Thus, project operations would not include any substantial sources of dust.

For the aforementioned reasons, construction and operation of the proposed project would not result in emissions (such as those leading to odors) adversely affecting a substantial number of people, and ***no impact*** would result.

IV. BIOLOGICAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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 Wildlife 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, and regulations or by the California Department of Fish and Wildlife 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 resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of 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 Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	✗

Discussion

- a,f. The project site is located within the boundaries of the SCVHP. The SCVHP was developed through a partnership between Santa Clara County, the cities of San José, Morgan Hill, and Gilroy, the Santa Clara Valley Water District (SCVWD), the Santa Clara VTA, the U.S. Fish and Wildlife Service (USFWS), and the California Department of Fish and Wildlife (CDFW). The SCVHP is intended to promote the recovery of endangered species and enhance ecological diversity and function, while accommodating planned growth in approximately 500,000 acres of southern Santa Clara County. The SCVHP provides take authorization for 18 Covered Species. In addition, the SCVHP includes conservation measures to protect the species covered by the SCVHP, as well as a conservation strategy designed to mitigate impacts on Covered Species and contribute to the recovery of the species in the study area.

The project site is currently undeveloped, has been previously mass graded, and is subject to routine mowing. In addition, trees do not occur on-site. The observed site conditions are consistent with the SCVHP, which designates the site as Grain, Row-crop, Hay and Pasture, Disked/Short-term Fallowed land cover.¹⁴ The Grain, Row-crop, Hay and Pasture, Disked/Short-term Fallowed land cover type is described in the SCVHP as developed areas "[tilled land not appearing in the aerial photographs to support orchard or vineyard.]"¹⁵ As set forth by Morgan Hill Municipal Code Section 18.132.050,

¹⁴ Santa Clara Valley Habitat Agency. *Geobrowser*. Available at: <http://www.hcpmaps.com/habitat/>. Accessed January 2024.

¹⁵ Santa Clara Valley Habitat Agency. *Final Santa Clara Valley Habitat Plan* [pg. 3-96]. August 2012.

compliance with the SCVHP requires payment of fees according to the Fee Zone designation of the property. According to the Santa Clara Valley Habitat Agency Geobrowser, the project site is located within Fee Zone B (Agricultural and Valley Floor Lands). As such, the proposed project would be subject to land cover fees for Fee Zone B. The project site is not located within a designated Plant or Wildlife Survey Area for any Covered Species. In addition, the Santa Clara Valley Habitat Agency Geobrowser indicates that the project site is located outside of the SCVHP Burrowing Owl Fee Area.

Due to the disturbed nature of the project site and the existing development in the project vicinity, the project site does not provide habitat for endangered, rare, or threatened species. It should be noted that while not considered special-status species, migratory birds could potentially nest in the existing trees and other vegetation in the project vicinity. However, existing trees are not located on-site.

Therefore, development of the proposed project would not have a substantial adverse effect, either directly or through habitat modifications, on species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS; nor would the proposed project conflict with the provisions of the SCVHP. Thus, **no impact** would occur.

- b,c. The project site is primarily characterized by an undeveloped, graded lot that is routinely mowed. The project site is generally surrounded by existing development and/or roadways, and does not contain, nor is adjacent to aquatic resources of any kind. Accordingly, the proposed project would not have a substantial adverse effect on riparian habitat or other Sensitive Natural Community, or on federally or State-protected wetlands, and **no impact** would occur.
- d. Movement corridors or landscape linkages are typically linear habitats that connect two or more habitat patches, providing assumed benefits to the species by reducing inbreeding depression and increasing the potential for recolonization of habitat patches. The project site does not fall within any regional corridor defined by the SCVHP. Furthermore, the project site does not support wildlife movement, as the project site is subject to routine mowing and is bounded by Cochrane Road to the north, Checkerspot Lane to the south, Butterfield Boulevard to the west, and a private driveway along a portion of the eastern site boundary. As such, the project site and adjacent properties do not support any major wildlife movement corridors. Additionally, the routine mowing to which the project site is subject precludes use of the site as a wildlife nursery.

Based on the above, the proposed project would not interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites. Thus, **no impact** would occur.

- e. Section 12.32.030 (Permit-Required) of the Morgan Hill Municipal Code requires the approval of a tree removal permit before the removal of any Ordinance Sized Trees, defined as a non-indigenous tree with a circumference greater than 40 inches (approximately 12.7-inch diameter) or any indigenous tree with circumference greater than 18 inches (approximately 5.7 inches diameter). The project site does not contain trees, and therefore, the proposed project would not require the removal of protected trees. Based on the above, the proposed project would not conflict with local policies or ordinances protecting biological resources, and **no impact** would occur.

V. CULTURAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☐	✗
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5?	☐	☐	☐	✗
c. Disturb any human remains, including those interred outside of dedicated cemeteries.	☐	☐	☐	✗

Discussion

a,b,c. The project site is currently undeveloped, has been previously mass graded, and is subject to routine mowing. As such, the site is unlikely to contain any cultural resources. Furthermore, a search of the California Historical Resources Information System (CHRIS) at the Northwest Information Center (NWIC) at Sonoma State University was conducted to ascertain the potential for historical and archaeological resources to occur on-site.¹⁶ According to the CHRIS search results, a previous cultural resources study encompassing all of the project site did not identify historical or archaeological resources within the site. In addition, a review of the Office of Historic Preservation Built Environment Resources Directory, which includes listings of the NRHP, CRHR, California State Historical Landmarks, and California State Points of Historical Interest, concluded that listed buildings or structures do not occur within or adjacent to the project site. Therefore, historical resources would not be affected by development of the proposed project.

However, as noted in the City's General Plan EIR, archaeological surveys conducted in Morgan Hill have identified numerous prehistoric sites with shell midden components, including human burials. Based on such findings, the potential exists for unknown archaeological resources to be found on-site beneath the ground surface during the project's proposed grading and excavation activities. In the event that such resources are unearthed during ground-disturbing activities (i.e., any activity that exposes, works, or redistributes soil, including but not limited to excavating, filling, stockpiling, grading, grubbing, or clearing), the following City standard conditions of approval related to the protection of historical and archaeological resources would be implemented, consistent with Section 18.60.090 of the Morgan Hill Municipal Code:

- A. The developer shall enter into written contracts with an archaeologist and the Tamien Nation Tribe, and pay all fees associated with the activities required by this condition. The following policies and procedures for treatment and disposition of inadvertently discovered human remains or archaeological materials shall apply:
 - 1. Prior to start of grading or earthmoving activity (includes demolition and moving of heavy equipment on site) on the "first day of construction", the archaeologist and Tamien Nation Tribal Monitor shall hold a preconstruction meeting for the purposes of "cultural sensitivity training" with the general contractor and subcontractors.

¹⁶ Northwest Information Center. *Record search results for the proposed Raising Cane's at Evergreen Village Project*. January 5, 2024.

2. An archaeologist and a Tamien Nation Tribal Monitor shall be present on-site to monitor all ground disturbing activities and an archaeologist shall be on-call. Where historical or archaeological artifacts are found, work in areas where remains or artifacts are found will be restricted or stopped until proper protocols are met, as described below:
 - a) Work at the location of the find will halt immediately within fifty feet of the find. If an archaeologist is not present at the time of the discovery, the applicant shall contact an archaeologist for evaluation of the find to determine whether it qualifies as a unique archaeological resource as defined by this chapter.
 - b) If the find is determined not to be a Unique Archaeological Resource, construction can continue. The archaeologist will prepare a brief informal memo/letter in collaboration with a tribal representative that describes and assesses the significance of the resource, including a discussion of the methods used to determine significance for the find;
 - c) If the find appears significant and to qualify as a unique archaeological resource, the archaeologist will determine if the resource can be avoided and will detail avoidance procedures in a formal memo/letter; and
 - d) If the resource cannot be avoided, the archaeologist in collaboration with a tribal representative shall develop within forty-eight hours an action plan to avoid or minimize impacts. The field crew shall not proceed until the action plan is approved by the Development Services Director. The action plan shall be in conformance with California Public Resources Code 21083.2.
3. The following policies and procedures for treatment and disposition of inadvertently discovered human remains or archaeological materials shall apply. If human remains are discovered, it is probable they are the remains of Native Americans,
 - a) If human remains are encountered, they shall be treated with dignity and respect as due to them. Discovery of Native American remains is a very sensitive issue and serious concern. Information about such a discovery shall be held in confidence by all project personnel on a need-to-know basis. The rights of Native Americans to practice ceremonial observances on sites, in labs and around artifacts shall be upheld.
 - b) Remains should not be held by human hands. Surgical gloves should be worn if remains need to be handled.
 - c) Surgical mask should also be worn to prevent exposure to pathogens that may be associated with the remains.
4. In the event that known or suspected Native American remains are encountered, or significant historic or archaeological materials are discovered, ground-disturbing activities shall be immediately stopped.

Examples of significant historic or archaeological materials include, but are not limited to, concentrations of historic artifacts (e.g., bottles, ceramics) or prehistoric artifacts (chipped chert or obsidian, arrow points, ground stone mortars and pestles), culturally altered ash stained midden soils associated with pre-contact Native American habitation sites, concentrations of fire-altered rock and/or burned or charred organic materials and historic structure remains such as stone lined building foundations, wells or privy pits. Ground-disturbing project activities may continue in other areas that are outside the exclusion zone as defined below.

5. An "exclusion zone" where unauthorized equipment and personnel are not permitted shall be established (e.g., taped off) around the discovery area plus a reasonable buffer zone by the contractor foreman or authorized representative, or party who made the discovery and initiated these protocols, or if on-site at the time of discovery, by the monitoring archaeologist and tribal representative (typically twenty-five to fifty feet for single burial or archaeological find).
6. The discovery locale shall be secured (e.g., 24-hour surveillance) as directed by the City or County if considered prudent to avoid further disturbances.
7. The Contractor Foreman or authorized representative, or party who made the discovery and initiated these protocols shall be responsible for immediately contacting by telephone the parties listed below to report the find and initiate the consultation process for treatment and disposition:
 - The City of Morgan Hill Development Services Director (408) 779-7247
 - The Contractor's Point(s) of Contact
 - The Coroner of the County of Santa Clara (if human remains found) (408) 793-1900
 - The Native American Heritage Commission (NAHC) in Sacramento (916) 653-4082
 - The Amah Mutsun Tribal Band (916) 481-5785 (H) or (916) 743-5833 (C)
 - The Tamien Nation (707) 295-4011 (office) and (925) 336-5359 (THPO)
8. The Coroner has two working days to examine the remains after being notified of the discovery. If the remains are Native American the Coroner has 24 hours to notify the NAHC.
9. The NAHC is responsible for identifying and immediately notifying the Most Likely Descendant (MLD). (Note: NAHC policy holds that the Native American Monitor will not be designated the MLD.)

10. Within 24 hours of their notification by the NAHC, the MLD will be granted permission to inspect the discovery site if they so choose.
11. Within 24 hours of their notification by the NAHC, the MLD may recommend to the City's Development Services Director the recommended means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The recommendation may include the scientific removal and non-destructive or destructive analysis of human remains and items associated with Native American burials. Only those osteological analyses or DNA analyses recommended by the appropriate tribe may be considered and carried out.
12. If the MLD recommendation is rejected by the City of Morgan Hill the parties will attempt to mediate the disagreement with the NAHC. If mediation fails then the remains and all associated grave offerings shall be reburied with appropriate dignity on the property in a location not subject to further subsurface disturbance.

Compliance with the above standard conditions of approval would ensure that construction of the proposed project would result in ***no impact*** related to historical resources and unique archeological resources, as well as the disturbance of human remains.

VI. ENERGY.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a,b. The main forms of available energy supply are electricity, natural gas, and oil. A description of the 2022 California Green Building Standards Code (CALGreen Code) and the Building Energy Efficiency Standards, with which the proposed project would be required to comply, as well as discussions regarding the proposed project's potential effects related to energy demand during construction and operations are provided below.

California Green Building Standards Code

The 2022 California Green Building Standards Code, otherwise known as the CALGreen Code (CCR Title 24, Part 11), is a portion of the CBSC, which became effective on January 1, 2023.¹⁷ The purpose of the CALGreen Code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices. The CALGreen standards regulate the method of use, properties, performance, types of materials used in construction, alteration repair, improvement, and rehabilitation of a structure or improvement to property. The provisions of the CALGreen Code apply to the planning, design, operation, construction, use, and occupancy of every newly constructed building or structure throughout California. Requirements of the CALGreen Code include, but are not limited to, the following:

- Compliance with relevant regulations related to future installation of EV charging infrastructure in residential and non-residential structures;
- Indoor water-use consumption reduction through the establishment of maximum fixture water-use rates;
- Outdoor landscaping must comply with the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), or a local ordinance, whichever is more stringent, to reduce outdoor water use;
- Diversion of 65 percent of construction and demolition waste from landfills; and
- Mandatory use of low-pollutant-emitting interior finish materials such as paints, carpet, vinyl flooring, and particle board.

Building Energy Efficiency Standards

The 2022 Building Energy Efficiency Standards are a portion of the CBSC that expand upon energy efficiency measures from the 2019 Building Energy Efficiency Standards, resulting in a reduction in energy consumption from the 2019 standards. Energy reductions relative to previous iterations of the Building Energy Efficiency Standards would be achieved through various regulations, including requirements for the use of high-

¹⁷ California Building Standards Commission. *California Green Building Standards Code*. 2022.

efficacy lighting, improved water heating system efficiency, and high-performance attics and walls.

Similar to the 2019 Building Energy Efficiency Standards, the 2022 Building Energy Efficiency Standards require that certain non-residential developments be constructed with solar readiness for the future installation of rooftop solar panels.

Construction Energy Use

Construction of the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and material-delivery truck trips, and operation of off-road construction equipment. In addition, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the site where energy supply cannot be met through a hookup to the existing electricity grid. Project construction would not involve the use of natural gas appliances or equipment.

Even during the most intense period of construction, due to the different types of construction activities (e.g., site preparation, grading, building construction), only portions of the project site would be disturbed at a time, with operation of construction equipment occurring at different locations on the project site, rather than a single location. In addition, all construction equipment and operation thereof would be regulated pursuant to the CARB In-Use Off-Road Diesel Vehicle Regulation. The In-Use Off-Road Diesel Vehicle Regulation is intended to reduce emissions from off-road, heavy-duty diesel vehicles in California by imposing limits on idling, requiring all vehicles to be reported to CARB, restricting the addition of older vehicles into fleets, and requiring fleets to reduce emissions by retiring, replacing, or repowering older engines, or installing exhaust retrofits. In addition, as a means of reducing emissions, construction vehicles are required to become cleaner through the use of renewable energy resources. The In-Use Off-Road Diesel Vehicle Regulation would, therefore, help to improve fuel efficiency for equipment used in construction of the proposed project. In addition, technological innovations and more stringent standards are being researched, such as multi-function equipment, hybrid equipment, or other design changes, which could help to further reduce demand on oil and limit emissions associated with construction.

Based on the above, the temporary increase in energy use occurring during construction of the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. In addition, the proposed project would be required to comply with all applicable regulations related to energy conservation and fuel efficiency, which would help to reduce the temporary increase in demand.

Operational Energy Use

In response to the growing climate crisis, the City has determined that natural gas use in local buildings, which accounts for approximately one-third of the community's carbon footprint, represents the City's greatest opportunity to reduce future GHG emissions. Requiring all new buildings to be constructed without natural gas will dramatically reduce future emission growth as electricity procured by Silicon Valley Clean Energy is 100 percent carbon free. The Morgan Hill City Council adopted Ordinance No. 2306 on

November 6, 2019, which prohibits natural gas infrastructure in new buildings. Thus, the proposed project would not be designed to include natural gas.

Energy use associated with operation of the proposed project would be typical of drive-through commercial uses, requiring electricity for interior and exterior building lighting, HVAC, electronic equipment, machinery, cooking equipment, refrigeration, appliances, security systems, and more. Maintenance activities during operations, such as landscape maintenance, would involve the use of electric or gas-powered equipment. In addition to on-site energy use, the proposed project would result in transportation energy use associated with vehicle trips generated by the proposed project.

The proposed project would be subject to all relevant provisions of the most recent update of the CBSC, including the CALGreen Code and the Building Energy Efficiency Standards. Adherence to the most recent CALGreen Code and the Building Energy Efficiency Standards would ensure that the proposed structure would consume energy efficiently through the incorporation of such features as efficient water-heating systems, high-performance attics and walls, and high-efficacy lighting. Required compliance with the CBSC would ensure that the building energy use associated with the proposed project would not be wasteful, inefficient, or unnecessary.

With regard to transportation energy use, the proposed project would comply with all applicable regulations associated with vehicle efficiency and fuel economy. In addition, as discussed further in Section XVII, Transportation, of this Initial Study, the proposed project qualifies as a local-serving facility. As such, the proposed project would not result in a significant impact related to VMT, or by extension, fuel consumption. Therefore, the proposed project would not result in an adverse impact related to transportation energy use.

Conclusion

Based on the above, construction and operation of the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources or conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Thus, ***no impact*** would occur.

VII. GEOLOGY AND SOILS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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 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 18-1B 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?	☐	☐	☐	✗

Discussion

ai-ii. According to the City's General Plan EIR, major faults located in the project area include the Calaveras Fault located approximately 4.1 miles northeast of the City, the San Andreas Fault located approximately five miles southwest of the City, and the Sargent Fault located approximately three miles west of the City. Given that known surface expressions of fault traces do not exist within the City of Morgan Hill, including the site, fault rupture hazard is not a significant geologic hazard at the site. In addition, Alquist-Priolo Earthquake Fault Zones are not delineated within or near the project site.¹⁸

Due to the proximity of the site to nearby active faults, strong ground shaking could occur at the site as a result of an earthquake on any one of the faults. However, the proposed project would be subject to all applicable regulations within the CBSC and Chapter 15.08 (Building Code) of the City's Municipal Code, which provide standards to protect property and public safety by regulating the design and construction of foundations, building frames, and other building elements. Therefore, **no impact** would occur related to exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault or strong seismic ground shaking.

¹⁸ California Department of Conservation. *Earthquake Zones of Required Investigation*. Available at: <https://maps.conservation.ca.gov/cgs/EQZApp/app/>. Accessed February 2024.

aiii,aiv,

- c. The proposed project's potential effects related to liquefaction, landslides, lateral spreading, and subsidence/settlement are discussed further below. The below discussions include information from the Geotechnical Engineering Report prepared for the proposed project by Terracon (see Appendix C of this Initial Study).¹⁹

Liquefaction

Liquefaction is the temporary transformation of loose, saturated granular sediments from a solid state to a liquefied state as a result of seismic ground shaking. In the process, the soil undergoes transient loss of strength, which commonly causes ground displacement or ground failure to occur. Because saturated soils are a necessary condition for liquefaction, soil layers in areas where the groundwater table is near the surface have higher liquefaction potential than those in which the water table is located at greater depths. Additionally, loose unsaturated sandy soils have the potential to settle during strong seismic shaking.

According to the ABAG Resilience Program's interactive Hazards Map, the project site is located in an area of low liquefaction susceptibility.²⁰ However, the Safety, Services, and Infrastructure Element of the General Plan acknowledges the hazards associated with seismically induced liquefaction in the planning area and includes a number of policies (Policies SSI-1.1, 1.2, 2.1, and 2.3) that are relevant to the potential hazards. Additionally, the Geotechnical Engineering Report concluded that the project site and adjacent areas are not located within a liquefaction hazard zone designated as having susceptibility to liquefaction. The CBSC and Morgan Hill Building Code also provide standards to protect property and public safety by regulating the design and construction of excavations, foundations, building frames, retaining walls, and other building elements, which would further reduce the potential for seismic-related ground failure, including liquefaction, to occur on-site. Compliance with the aforementioned regulations would ensure that substantial adverse effects related to liquefaction do not occur.

Landslides

Seismically induced landslides are triggered by earthquake ground shaking. The risk of landslide hazard is greatest in areas with steep, unstable slopes. The project site and adjacent areas are located on level ground. Thus, the proposed project would not be subject to landslides.

Lateral Spreading

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water. Typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. As stated above, the project site is generally flat. In addition, a free face such as an excavation or channel is not located immediately adjacent to the project site. Furthermore, the General Plan EIR concluded that impacts related to lateral spreading would be reduced to a less-than-significant level with compliance with the CBSC and the Morgan Hill Municipal Code. Therefore, substantial adverse impacts related to lateral spreading would not occur.

¹⁹ Terracon. *Raising Cane's C991 Geotechnical Engineering Report*. January 13, 2022.

²⁰ Association of Bay Area Governments. *Resilience Program*. Available at: <https://mtc.maps.arcgis.com/apps/webappviewer/index.html?id=4a6f3f1259df42eab29b35dfcd086fc8>. Accessed February 2024.

Subsidence / Settlement

Subsidence is the settlement of soils of very low density generally from either oxidation of organic material, or desiccation and shrinkage, or both, following drainage. Subsidence takes place gradually, usually over a period of several years.

According to the Geotechnical Engineering Report, compaction records were not made available for review of the existing on-site fill. As such, the Geotechnical Engineering Report concluded the on-site fill to be uncontrolled. Uncontrolled fill can result in excessive erratic and differential settlements that cause damage to structures supported on shallow foundations, hardscapes, and pavements that rely on the fill for structural support. However, through compliance with engineering standards set forth by the CBSC, the potential for subsidence to pose a risk to the proposed project would be relatively low. In addition, the General Plan EIR concludes that impacts related to subsidence/settlement would be reduced to a less-than-significant level with compliance with the CBSC and the Morgan Hill Municipal Code. Therefore, substantial adverse impacts related to subsidence or settlement would not occur.

Conclusion

Based on the above, the proposed project would not be subject to substantial risks related to liquefaction, landslides, lateral spreading, and subsidence/settlement. Compliance with standard construction regulations included in the CBSC would ensure that the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving liquefaction, subsidence, or settlement, and would not 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 subsidence, liquefaction, or collapse. Thus, **no impact** would occur.

- b. Development of the proposed project would cause ground disturbance of mostly topsoil related to construction activity. Ground disturbance would be limited to the areas proposed for grading and excavation, including building pads, curb, gutter, drainage, sewer, and water infrastructure alignments. After grading and excavation and prior to overlaying the disturbed surfaces with impervious surfaces and structures, the potential exists for wind and water erosion to occur, which could adversely affect downstream storm drainage facilities.

New development within the City that disturbs one or more acres of land is required to comply with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit. Compliance with the Construction General Permit requires preparation of a Storm Water Pollution Prevention Plan (SWPPP) and incorporation of Best Management Practices (BMPs) to control sedimentation, erosion, and hazardous materials contamination of runoff during construction. The proposed project would disturb approximately 1.9 acres and, thus, would be subject to the Construction General Permit. In addition, pursuant to Chapter 13.30 (Urban Storm Water Quality Management and Discharge Control) of the Morgan Hill Municipal Code, an Erosion Control Plan must be prepared for the proposed project and include BMPs such as drainage inlet protection, designation of a temporary construction entrance, temporary fiber rolls, and other BMPs to prevent erosion and loss of topsoil. The Erosion Control Plan would be subject to review and approval by the City Engineer prior to the approval of improvement plans and the issuance of building permits to ensure that the plan complies with City standards.

Finally, during project operation, pervious surfaces within the project site would be planted with new landscaping trees, shrubs, and grasses, which would stabilize pervious surfaces and prevent erosion and loss of topsoil from occurring. The proposed landscaping would be selected and irrigated in compliance with the landscaping requirements set forth in Morgan Hill Municipal Code Chapter 18.64.

Based on the above, the proposed project would not result in substantial soil erosion or the loss of topsoil, and **no impact** would occur.

- d. Expansive soils can undergo significant volume changes with changes in moisture content. Specifically, such soils shrink and harden when dried and expand and soften when wetted. If structures are underlain by expansive soils, foundation systems must be capable of withstanding the potential damaging movements of the soil. According to the U.S. Department of Agriculture's Web Soil Survey, the majority of the project site consists of Arbuckle gravelly loam, with the remainder of the site Cortina very gravelly loam.²¹ Neither soil is identified by Web Soil Survey as having shrink-swell potential. In addition, the proposed project would be required to comply with all applicable CBSC standards to ensure the structural integrity of the proposed structures.

Based on the above, the proposed project would not create substantial direct or indirect risks to life or property related to being located on expansive soil, as defined in Table 18-1B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property. Thus, **no impact** would occur.

- e. The proposed development would connect to the City's existing sewer infrastructure in the project vicinity and would not include the use of septic tanks. Accordingly, **no impact** would occur related to soils incapable of adequately supporting the use of septic tanks.
- f. Paleontological resources or fossils are the remains of prehistoric plant and animal life. As noted in the City's General Plan EIR, based on a review of the University of California's Museum of Paleontology's fossil locality database conducted for all of Santa Clara County, paleontological resources have not been identified within the City of Morgan Hill.²² In addition, the project site has been subject to previous disturbance. Thus, paleontological resources are not expected to occur on the site. Furthermore, the proposed project would be subject to the City's standard conditions of approval listed in Section V, Cultural Resources, of this Initial Study. As noted in the General Plan EIR, such measures would ensure adverse impacts to paleontological resources are avoided.

With respect to unique geologic features, as noted in the City's General Plan EIR, occurrences of fossil resources are closely tied to geologic units. The soil types at the project site are not considered unique geologic features and are common within the geographic area of the City. As such, development of the proposed project would not destroy a unique geologic feature.

Based on the above, the proposed project would not result in the direct or indirect destruction of a unique paleontological resource or unique geological feature, and **no impact** would occur.

²¹ United States Department of Agriculture. *Web Soil Survey*. Available at: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>. Accessed February 2024.

²² City of Morgan Hill. *Morgan Hill 2035 Environmental Impact Report* [pg. 4.5-17]. Certified July 2016.

VIII. GREENHOUSE GAS EMISSIONS.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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 gasses?	☐	☐	☐	✗

Discussion

- a,b. Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHG are inherently considered cumulative impacts.

Implementation of the proposed project would incrementally contribute to increases of GHG emissions. Estimated GHG emissions attributable to future development would be primarily associated with increases of carbon dioxide (CO₂) and, to a lesser extent, other GHG pollutants, such as methane (CH₄) and nitrous oxide (N₂O) associated with area sources, mobile sources or vehicles, utilities (electricity), water usage, wastewater generation, and the generation of solid waste. The primary source of GHG emissions for the project would be mobile-source emissions. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO₂ equivalents (MTCO₂e/yr).

The proposed project is located within the jurisdictional boundaries of BAAQMD. The most recent BAAQMD Air Quality Guidelines were released in April 2023.²³ The updated GHG thresholds address more recent climate change legislation, including Senate Bill (SB) 32, and provide qualitative thresholds related to Buildings and Transportation.

Construction GHG emissions are a one-time release and are, therefore, not typically expected to generate a significant contribution to global climate change. Neither the City nor BAAQMD has an adopted threshold of significance for construction-related GHG emissions that requires quantification. Nonetheless, the proposed project's construction GHG emissions, as well as operational emissions, have been estimated using CalEEMod under the same assumptions discussed in Section III, Air Quality, of this Initial Study (see Appendix B). The emissions estimates prepared for the proposed project determined that unmitigated construction of the project would result in total GHG emissions of 147 MTCO₂e over the entire construction period.

Potential impacts related to operational GHG emissions resulting from implementation of the proposed project are considered in comparison with BAAQMD's adopted thresholds of significance below.

²³ Bay Area Air Quality Management District. 2022 California Environmental Quality Act Guidelines. April 2023.

BAAQMD Thresholds of Significance

The BAAQMD's adopted thresholds of significance for GHG emissions are qualitative, and address recent climate change legislation, including SB 32. According to the new thresholds of significance, a project must either include specific project design elements (e.g., exclude use of natural gas, achieve a specific reduction in project-generated VMT below the regional average) or be consistent with a local GHG reduction strategy that meets the criteria under CEQA Guidelines Section 15183.5(b).²⁴

In December of 2021, the City of Morgan Hill adopted a Climate Action Plan (CAP);²⁵ however, the City's CAP does not qualify as a local GHG reduction strategy under CEQA Guidelines Section 15183.5(b). Therefore, the following analysis focuses on the new BAAQMD GHG thresholds related to specific project design elements.

According to the BAAQMD's thresholds of significance, in order to find a less-than-significant GHG impact, projects must include, at a minimum, the following project design elements:

1. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development);
2. 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;
3. The project will achieve a reduction in project-generated 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 SB 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; and
4. The project will achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

In order to be consistent with the first criterion, the proposed project would be required to include all electric appliances and plumbing. The 2022 Building Energy Efficiency Standards requires that new development be built electric-ready (i.e., structures will be required to have electric supply panels and circuitry to support all-electric appliances and heating). The proposed project would not include natural gas. Thus, the proposed project would be consistent with the first criterion.

Regarding the second criterion, as discussed in Section VI, Energy, of this Initial Study, the proposed project would comply with all applicable federal, State, and local regulations regarding energy use during both project construction and project operation. Therefore, as discussed therein, the proposed project would not result in any wasteful, inefficient, or unnecessary energy usage.

With respect to the third criterion, as discussed in Section XVII, Transportation, of this Initial Study, the proposed project may be presumed to be a local-serving facility and would, therefore, have a less-than-significant impact on VMT. Therefore, the project would be consistent with the current version of the California Climate Change Scoping Plan.

²⁴ Bay Area Air Quality Management District. *2022 California Environmental Quality Act Guidelines*. April 2023.

²⁵ City of Morgan Hill. *Morgan Hill 2021 Climate Action Plan*. December 15, 2021.

With respect to the fourth criterion, the proposed project would be conditioned to comply with the Tier 2 CALGreen standards related to off-street electric vehicle requirements.

Conclusion

Based on the above, the proposed project would not be considered to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs; and ***no impact*** would occur.

IX. HAZARDS AND HAZARDOUS MATERIALS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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 likely 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 the risk of loss, injury or death involving wildland fires?	☐	☐	☐	✗

Discussion

- a. Commercial land uses, especially restaurants such as the proposed project, are not typically associated with the routine transport, use, disposal, or generation of substantial amounts of hazardous materials. As part of project operation, maintenance of the proposed restaurant and landscaping may require the use of common household cleaning products, fertilizers, and herbicides, any of which could contain potentially hazardous chemicals. However, such products would be expected to be used in accordance with label instructions. In addition, Morgan Hill Municipal Code Section 8.40.750 establishes regulations related to the types and quantities of hazardous materials that may be stored or used within the City. Based on the allowances within Section 8.40.750 of the Municipal Code, should operation of the proposed project require the use or storage of hazardous materials in excess of the accepted limits, a formal request must be made to the City, including a declaration of information regarding the type and quantities of hazardous materials to be used or stored within the project site. Such requests would be considered by the Morgan Hill Development Services Department. Therefore, such materials would be safely managed in accordance with the applicable regulations and would be subject to City review depending on the type or quantity of chemicals proposed for use.

Construction activities associated with implementation of the proposed project would involve the use of heavy equipment, which would contain fuels and oils, and various other products such as concrete, paints, and adhesives. The project contractor is required to comply with all California Health and Safety Codes and local County ordinances regulating the handling, storage, and transportation of hazardous and toxic materials. Pursuant to California Health and Safety Code Section 25510(a), except as provided in subdivision

(b),²⁶ the handler or an employee, authorized representative, agent, or designee of a handler, must, upon discovery, immediately report any release or threat of release of a hazardous material to the unified program agency (in the case of the proposed project, the Santa Clara County Hazardous Materials Compliance Division [HMCD]) in accordance with the regulations adopted pursuant to Section 25510(a). The handler or an employee, authorized representative, agent, or designee of the handler must provide all State, city, or county fire or public health or safety personnel and emergency response personnel with access to the handler's facilities. In the case of the proposed project, the contractors are required to notify the HMCD in the event of an accidental release of a hazardous material, who would then monitor the conditions and recommend appropriate remediation measures.

Based on the above, the proposed project would not create a significant hazard to the public or the environment related to the routine transport, use, or disposal of hazardous materials, and **no impact** would occur.

- b. A Phase I Environmental Site Assessment (ESA) was prepared for the proposed project by Terracon (see Appendix D of this Initial Study) to identify potential recognized environmental conditions (RECs) associated with the project site in accordance with American Society for Testing and Materials (ASTM) Standard E1527-13.²⁷ A REC indicates the presence or likely presence of any hazardous substances in, on, or at a property due to any release into the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment.

The Phase I ESA included a review of federal, State, and local environmental regulatory databases and a site reconnaissance. With respect to the review of environmental regulatory databases, the project site is not listed on any of the federal, State, and local databases reviewed as part of the Phase I ESA. In addition, off-site uses within varying proximity to the project site (based on applicable ASTM-required search distances) were not identified on any of the reviewed federal databases. Although several off-site uses were identified on a number of State and local databases, the Phase I ESA concluded that the foregoing off-site facilities listed in the database report do not pose a risk to the project site, due to regulatory status, topographic gradient, and/or distance from the project site.

The site reconnaissance conducted as part of the Phase I ESA was completed on November 10, 2022. The site reconnaissance included vetting of the project site for typical characteristics that could indicate the presence or likely presence of any hazardous substances on-site. Of the typical indicators of RECs, such as evidence of aboveground chemical or waste storage, underground chemical or waste storage, drainage or collection systems, or releases or potential releases of hazardous materials, the site reconnaissance included observation of only minor amounts of trash consisting of typical municipal litter items, such as bottles, plastic, and miscellaneous food wrappers. Staining, noxious odors, or evidence of hazardous materials disposal were not observed. Based on site observations, the Phase I ESA concluded that the debris materials did not appear to be hazardous in nature and did not represent a REC.

²⁶ Subdivision (a) does not apply to a person engaged in the transportation of a hazardous material on a highway that is subject to, and in compliance with, the requirements of Sections 2453 and 23112.5 of the Vehicle Code.

²⁷ Terracon. *Phase I Environmental Site Assessment Raising Cane's #991, Eastern Corner of Cochrane Road & Butterfield Boulevard*. November 28, 2022.

Based on the above, the proposed project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment. As such, **no impact** would occur.

- c. The project site is not located within 0.25-mile of any existing or proposed schools. The nearest school to the project site is the Stratford School located at 410 Llagas Road, approximately 0.7-mile to the southwest of the project site. Therefore, the proposed project would have **no impact** related to hazardous emissions or the handling of hazardous or acutely hazardous materials, substances, or waste within 0.25-mile of an existing or proposed school.
- d. The CalEPA has compiled a list of data resources that provide information regarding the facilities or sites identified as meeting the "Cortese List" requirements, pursuant to Government Code 65962.5. The components of the Cortese List include the DTSC Hazardous Waste and Substances Site List, the list of LUST sites from the SWRCB GeoTracker database, the list of solid waste disposal sites identified by the SWRCB, and the list of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO) from the SWRCB. Pursuant to the SWRCB GeoTracker data management system, hazardous materials sites, including LUST sites and DTSC cleanup sites, have not been identified on or within a 1,000-foot radius of the project site.²⁸ In addition, the project site is not located on or near any hazardous waste sites identified on the EnviroStor's Hazardous Waste and Substance Site List.²⁹

Based on the above, the proposed project would not be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. As such, **no impact** would occur.

- e. The public airport nearest to the project site is the San Martin Airport, which is located approximately 5.4 miles southeast of the project site. In addition, the project site is not located within the vicinity of a private airstrip. Therefore, the proposed project would not result in an airport-related safety hazard for people residing or working in the project area, and **no impact** would occur.
- f. Development of the proposed project would not result in any modifications to the City's existing roadway system. In addition, during construction, heavy equipment would be staged on-site such that the local roadways would not be blocked. Thus, implementation of the proposed project would not interfere with potential evacuation or response routes used by emergency response teams. Furthermore, the proposed project would not conflict with the City's Emergency Operations Plan because the project would not affect the local roadway network.³⁰ Therefore, the project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, and **no impact** would occur.

²⁸ State Water Resources Control Board. *GeoTracker*. Available at: <https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=morgan+hill>. Accessed April 2023.

²⁹ Department of Toxic Substances Control. *Hazardous Waste and Substances Site List*. Available at: <https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=18599+Sutter+Boulevard%2C+Morgan+Hill%2C+CA>. Accessed February 2024.

³⁰ City of Morgan Hill. *Emergency Operations Plan*. January 11, 2018.

- g. The City's Wildland Urban Interface map indicates that the project site is not located in a High or Very High Fire Hazard Severity Zone (FHSZ).³¹ In addition, the project site is substantially surrounded by urban development, thereby limiting the sources of fuel (e.g., dry grass) that could be ignited. Therefore, the proposed project would not expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands, and ***no impact*** would occur.

³¹ City of Morgan Hill. *City of Morgan Hill Wildland Urban Interface Map*. March 2009.

X. HYDROLOGY AND WATER QUALITY.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water 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?	☐	☐	☐	✗

Discussion

- a. The proposed project's potential to result in water quality impacts during construction and operations is discussed in further detail separately below.

Construction

Project construction activities such as grading, excavation, and trenching for site improvements would result in the disturbance of on-site soils. The exposed soils have the potential to affect water quality in two ways: 1) suspended soil particles and sediments transported through runoff; or 2) sediments transported as dust that eventually reach local water bodies. Spills or leaks from heavy equipment and machinery, staging areas, or building sites also have the potential to enter runoff. Typical pollutants include, but are not limited to, petroleum and heavy metals from equipment and products such as paints, solvents, and cleaning agents, which could contain hazardous constituents. Sediment from erosion of graded or excavated surface materials, leaks or spills from equipment, or inadvertent releases of building products could result in water quality degradation if runoff containing the sediment or contaminants should enter receiving waters in sufficient quantities. Impacts from construction-related activities would generally be short-term and of limited duration.

Water quality degradation is regulated by the federal NPDES Program, established by the Clean Water Act, which controls and reduces pollutants to water bodies from point and non-point discharges. In California, the NPDES permitting program is administered by the

SWRCB through nine Regional Water Quality Control Boards (RWQCBs). As discussed in Section VII, Geology and Soils, of this Initial Study, new development within the City that disturbs one or more acres of land is required to comply with the NPDES Construction General Permit and prepare a SWPPP incorporating BMPs to control sedimentation, erosion, and hazardous materials contamination of runoff during construction. The proposed project would disturb approximately 1.9 acres and, thus, would be subject to the Construction General Permit.

The proposed project would also be subject to all regional and local water quality regulations. In order to meet water quality objectives for the region, the City of Morgan Hill, City of Gilroy, and County of Santa Clara have prepared and are implementing a Revised Regional Storm Water Management Plan (SWMP).³² The SWMP incorporates the efforts of the City of Morgan Hill, the City of Gilroy, and the unincorporated portion of Santa Clara County, within the watershed of the Pajaro River and Monterey Bay, to meet the Phase II Storm Water Permit requirements for small municipal separate storm sewer systems (MS4s). The City of Morgan Hill implements the SWMP through an extensive program that entails: 1) the establishment of SWMP goals for the City; 2) public education and outreach; 3) public involvement and participation; 4) illicit discharge control; 5) construction site stormwater runoff control; 6) post-construction stormwater management in development; and 7) pollution prevention. For construction activities, the SWMP presents BMPs that are required for the control of stormwater runoff quality during construction. Compliance with the City's SWMP, as well as the NPDES Construction General Permit, would ensure that adverse impacts to water quality do not occur during construction.

Operation

After project construction, impervious surfaces on the project site could contribute incrementally to the degradation of downstream water quality during storm events. During the dry season, vehicles and other urban activities may release contaminants onto the impervious surfaces, where they would accumulate until the first storm event. During the initial storm event, or first flush, the concentrated pollutants would be transported through stormwater runoff from the site to the stormwater drainage system and eventually a downstream waterway. Typical urban and commercial restaurant facility pollutants that would likely be associated with the proposed project include sediment, pesticides, oil and grease, nutrients, metals, bacteria, and trash.

The proposed project would be managed in accordance with Resolution R3-2013-0032 issued by the Central Coast RWQCB. The Resolution formally adopts post-construction stormwater management requirements for development projects in the Central Coast Region.³³ The requirements identify 10 Watershed Management Zones (WMZs) in the covered area, and specify stormwater management requirements for each zone, depending on the size of the development project. Because the project site is located in an area classified as WMZ-1, stormwater management at the project site must include site design and runoff features to limit the amount of runoff from the project site as well as on-site water quality treatment to reduce pollutant loads in the stormwater runoff using a Low

³² City of Morgan Hill. *Stormwater and Urban Runoff Management*. Available at: <https://www.morgan-hill.ca.gov/737/Phase-II-General-Stormwater-Permit>. Accessed March 2024.

³³ California Water Boards. *Central Coast Post-Construction Stormwater Requirements*. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/stormwater/docs/lid/hydromod_lid_docs/2013_0032_attach1_post_construction_requirements.pdf. Accessed March 2024.

Impact Development (LID) treatment system such as biofiltration. In WMZ-1, the treatment system must retain 95 percent of the runoff from the project site and also maintain peak runoff flows such that they do not exceed pre-project flows.

As shown in Figure 5, a Preliminary Stormwater Control Plan (SWCP) has been prepared for the proposed project and includes conceptually designed, preliminary stormwater control and treatment measures. The project site would be divided into five on-site DMAs (DMAs 1 through 5) and two DMAs along the site's Butterfield Boulevard frontage (OFF-1 and OFF-2) for the purposes of collecting and treating stormwater runoff from the site's new impervious surfaces. In order to treat flows from the project site prior to discharging to the City's public storm drain system, the proposed project would include at least one bioretention basin in DMAs 1 through 5. Runoff within the DMAs would surface flow towards each DMA's respective bioretention basin(s). Following treatment, flows would be conveyed from the bioretention basins to either an underground detention system in DMA 1 or DMA 4. Flows stored within the underground detention system in DMA 4 would be conveyed to the underground detention system in DMA 1, which would ultimately meter treated runoff to the City's existing storm drain system in Butterfield Boulevard to the northwest of the project site.

A Stormwater Control Plan Report (Drainage Report) was prepared for the proposed project by Kimley-Horn (see Appendix E of this Initial Study).³⁴ According to the Drainage Report, the type of project designation, physical location, and quantity of created/replaced impervious surfaces dictates which post-construction Performance Requirements (PR) must be satisfied for a new development/redevelopment project and are presented in the Stormwater Management Guidance Manual for Low Impact Development & Post-Construction Requirements for the City of Morgan Hill, City of Gilroy, and Santa Clara County. The PRs include the following:

- PR-1: Site Design and Runoff Reduction;
- PR-2: Water Quality Treatment;
- PR-3: Runoff Retention;
- PR-4: Peak Management; and
- PR-5: Special Circumstances.

According to the Drainage Report, the PR-1 criteria require employing LID strategies for any project that creates and/or replaces 2,500 sf or more of impervious surface. In compliance with PR-1, the proposed bioretention basins, which qualify as LID features, have been planned and designed for the project site to reduce stormwater runoff and maintain pre-project hydrology through runoff management using retention.

Projects must meet PR-2 criteria by constructing a stormwater treatment facility, which includes a LID treatment system, biofiltration treatment system, or non-retention-based treatment system. Projects must meet the PR-2 criteria when either of the following are true: 1) the project has greater than or equal to 5,000 sf of net impervious cover, except detached single-family homes, or 2) the project is a detached single-family home with greater than or equal to 15,000 sf of net impervious cover. The proposed project would result in 58,969 sf of new impervious surfaces and is subject to PR-2. The proposed project would comply with PR-2 through installation of the proposed bioretention basins.

³⁴ Kimley-Horn. *Stormwater Control Plan Report for Raising Cane's, Butterfield Boulevard and Cochrane Road, Morgan Hill, CA 95037*. March 14, 2024.

The sizing method for the bioretention basins is summarized in Table 4. As shown therein, the bioretention basins would be sized in excess of the minimum sf required for the facilities, and thus, would comply with PR-2.

Table 4					
Bioretention Basin Sizing					
DMA	Total Area (sf)	Impervious Area (sf)	Pervious Area (sf)	Minimum Facility Size (sf)	Provided Facility Size (sf)
1	22,966	16,156	6,810	647	1,159
2	4,150	1,584	2,566	64	245
3	6,929	4,180	2,749	168	401
4	34,962	26,578	8,384	1,064	1,668
5	13,536	3,642	4,015	146	758
OFF-1	1,611	386	1,225	16	--
OFF-2	564	0	564	0	--
Total	84,718	58,969	26,313	2,105	4,231

Source: Kimley-Horn, 2023.

The PR-3 criteria apply to regulated projects according to the following: 1) projects which create and/or replace greater than or equal to 15,000 sf of impervious cover, except detached single-family homes, or 2) projects which are detached single-family homes with greater than or equal to 15,000 sf of net impervious cover. The proposed project would result in 58,969 sf of new impervious surfaces and is subject to PR-3. As previously discussed, because the project site is in WMZ-1, the treatment system must retain 95 percent of the runoff from the project site and also maintain peak runoff flows such that they do not exceed pre-project flows. The runoff retention volumes provided by the proposed bioretention basins are summarized in Table 5. As shown therein, the proposed project would provide retention volume in excess of the minimum requirements, and thus, would comply with PR-3.

Table 5		
Bioretention Basin Volume		
DMA	Required Retention (cubic feet)	Provided Retention (cubic feet)
1	1,618	2,379
2	158	499
3	404	868
4	2,747	3,466
5	400	4,995
OFF-1	44	--
OFF-2	3	--
Total	4,927	7,212

Source: Kimley-Horn, 2023.

The PR-4 criteria involve controlling peak post-development flowrates for a project site through hydrologic/hydraulic planning and design. Projects must abide by PR-4 when the project creates and/or replaces greater than or equal to 25,000 sf of impervious surfaces and are located in WMZs 1, 2, 3, 6, and 9. PR-4 applicants are required to manage post-development peak flows discharged from the site, with post-construction stormwater runoff peak flows not exceeding existing peak flows for the two- through 10-year storm events. Peak flow controls must also meet the flood control standards established by the

Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements for the City of Morgan Hill, City of Gilroy and County of Santa Clara. Two underground detention facilities are proposed in addition to the bioretention facilities to mitigate the post-development peak flows, as shown in Figure 6. An event-based simulation of the two-, 10-, 25-, and 100-year storm events was modeled, which is summarized in Table 6. As shown therein, post-construction peak flows would be managed to not exceed existing peak flows.

Table 6		
Existing Versus Post-Construction Peak Flows		
Storm Event	Existing (cfs)	Post-Construction (cfs)
2-Year	0.11	0.06
10-Year	0.75	0.39
25-Year	0.99	0.42
100-Year	1.36	1.34
<i>Source: Kimley-Horn, 2023.</i>		

Finally, according to the Drainage Report, PR-5 is not applicable to the proposed project, as the project does not meet the criteria established by the Stormwater Management Guidance Manual for Low Impact Development & Post-Construction Requirements for PR-5.

Finally, prior to the issuance of building permits, the stormwater controls would be verified by the City of Morgan Hill to confirm design of the controls in accordance with the specified standards, and the controls would be subject to later operation and maintenance inspections by the property owner. The final design of the proposed drainage system would be reviewed and approved by the City Engineer, who would ensure that the proposed drainage system complies with all applicable regional and local standards and requirements with respect to incorporating sufficient permanent stormwater treatment control BMPs. Therefore, water quality standards or waste discharge requirements would not be violated, and water quality would not be substantially degraded as a result of project operation.

Conclusion

Based on the above discussions, the proposed project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality during construction and operations. Therefore, **no impact** would occur.

- b,e. The City's water supplies currently consist entirely of groundwater. Approximately 25 percent of the City's supply is extracted from the Coyote Valley subarea of the Santa Clara Subbasin, and approximately 75 percent is extracted from the Llagas Subbasin. The project site is located within the Santa Clara Subbasin. Neither of the subbasins are in a condition of overdraft, and groundwater levels are not expected to drop.³⁵ It should be noted that water supply is further discussed in Section XIX, Utilities and Service Systems, of this Initial Study.

Groundwater within the Santa Clara Subbasin is managed by the SCVWD. The 2021 Groundwater Management Plan (GWMP), prepared pursuant to the Sustainable

³⁵ City of Morgan Hill. *Morgan Hill 2035 Environmental Impact Report* [pg. 4.9-18]. Certified July 2016.

Groundwater Management Act of 2014, describes the SCVWD's comprehensive groundwater management framework, including existing and potential actions to achieve basin sustainability goals and ensure continued sustainable groundwater management. The GWMP covers the Santa Clara and Llagas subbasins, located entirely in Santa Clara County and identified by the Department of Water Resources (DWR) as Basins 2-9.02 and 3-3.01, respectively. DWR identified the Santa Clara and Llagas subbasins as high-priority subbasins based on criteria that include overlying population, projected growth, number of wells, irrigation acreage, groundwater reliance, and groundwater impacts. However, neither subbasin has been identified as being critically over drafted.³⁶

With respect to groundwater recharge, recharge areas are primarily comprised of high permeability aquifer materials, such as sands and gravels that allow surface water to infiltrate into the aquifers. In the Santa Clara Valley, the areas with the highest recharge are along the creeks and on the western edge of the valley floor, just below the toe of the foothills. The northern portion of Morgan Hill is within the Coyote Valley recharge area. Recharge within Coyote Valley includes Anderson Reservoir and Coyote Reservoir and in-stream recharge from Coyote Creek. The project site is not located in the vicinity of any such facilities. In addition, the proposed stormwater drainage system would allow for a portion of the captured runoff to infiltrate underlying soils in a manner similar to what currently occurs on-site.

Given that groundwater levels within the subbasin underlying the project site are currently stable, and that the proposed project would provide for opportunities for on-site recharge, the project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the Llagas Subbasin. In addition, the project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Thus, ***no impact*** would occur.

- ci-iii. The proposed project consists of the development of a 2,899-sf restaurant with a dual-lane drive-through, surface parking lot, and new landscaping. Because the project site is currently undeveloped, development of the proposed project, which would include the addition of approximately 58,969 sf of new impervious surfaces, would alter the existing drainage pattern of the project site. However, as discussed above, the proposed stormwater system would treat and retain runoff from the project site in compliance with PR-1, PR-2, PR-3, and PR-4 of the Stormwater Management Guidance Manual for Low Impact Development & Post-Construction Requirements, such that runoff from the project site is treated and does not exceed pre-project flows in accordance with the stormwater management requirements adopted by Resolution R3-2013-0032.

Stormwater runoff associated with the site would be required to comply with the City's SWMP standards. As such, the project would not significantly increase stormwater flows into the existing system. The final drainage system design for the project would be subject to review and approval by the City Engineer, who would confirm that the proposed drainage system for the project is consistent with the City's Storm Drainage Master Plan and standard stormwater-related conditions of approval. Therefore, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner that would result in substantial erosion, siltation, or flooding on- or off-site, create or

³⁶ Santa Clara Valley Water District. 2021 *Groundwater Management Plan, Santa Clara and Llagas Subbasins* [pg. ES-1]. November 2021.

contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems, or provide substantial additional sources of polluted runoff. Thus, **no impact** would occur.

- civ. According to FEMA Flood Insurance Rate Map number 06085C0443H, the project site is located within Zone X, which is not considered a Special Flood Hazard Area.³⁷ Therefore, the proposed project would not impede or redirect flood flows, and **no impact** would occur.
- d. A discussion of flood hazards can be found above, under question 'civ.' A seiche is defined as a wave generated by rapid displacement of water within a reservoir or lake, due to an earthquake that triggers land movement within the water body or land sliding into or beneath the water body. The project site is not located near a water body that is susceptible to seiche hazard. In addition, the distance to the nearest coastline does not subject the site to tsunami hazards.

The project site is, however, located within the dam failure inundation hazard zone for Anderson Reservoir as indicated within the dam failure inundation hazard maps.³⁸ The dams in Santa Clara County are managed by the SCVWD. The dams are inspected twice each year and are continuously monitored for seepage and settling and inspected immediately following significant earthquakes. A seismic stability evaluation performed in 2007 for Anderson Dam indicated that the downstream and upstream embankments could become unstable during a very large magnitude earthquake and the rupture of faults underlying the dam may have adverse impact on the outlet pipes and intake structure. The SCVWD has initiated a capital project, the Anderson Dam Seismic Retrofit Project (ADSRP), to complete the planning, design, and construction of the seismic retrofit of the dam. Construction work for the ADSRP was planned to start in 2021, but is still in the planning phase.³⁹

Until recently, in order to protect the public from potential effects until the ADSRP is complete, a storage restriction of approximately 45 feet below the dam crest has been put in place, with a reduced storage capacity of 61,810 acre-feet. The SCVWD and regulatory agencies (California Division of Safety of Dams and the Federal Energy Regulatory Commission) have approved the restriction and believe that the restriction would be sufficient to prevent the uncontrolled release of water in case of dam failure after a major earthquake. As of December 2020, Anderson Reservoir, the largest reservoir in Santa Clara County, has been completely drained under the direction of federal dam regulators.

Based on the above, the proposed project would not be exposed to substantial risks related to flooding as a result of the failure of a dam, tsunamis, or seiches. Therefore, the project would not result in the release of pollutants due to project inundation, and **no impact** would occur.

³⁷ Federal Emergency Management Agency. *National Flood Hazard Layer FIRMette No. 06085C0443H*. Available at: <https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd>. Accessed January 2024.

³⁸ Association of Bay Area Governments. *Dam Failure Inundation Hazard Map for Morgan Hill*. 1995. Available at: http://www.mhcert.com/prepare/dam_failure.shtml. Accessed January 2024.

³⁹ Santa Clara Valley Water District. *C1: Anderson Dam Seismic Retrofit*. Available at: <https://www.valleywater.org/project-updates/2012-c1-anderson-dam-seismic-retrofit>. Accessed January 2024.

XI. LAND USE AND PLANNING.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a. A project risks dividing an established community if the project would introduce infrastructure or alter land use so as to change the land use conditions in the surrounding community or isolate an existing land use. Currently, the project site is unoccupied and undeveloped, and the site is generally surrounded by existing and planned development. Therefore, the proposed project would not physically divide an established community and **no impact** would occur.
- b. The project site is designated Commercial and zoned CG-PUD. The Commercial land use designation allows for a wide range of retail businesses, administrative and executive office uses, and professional services, either in standalone buildings or as part of shopping centers. Additionally, a drive-through restaurant is allowed within the CG zoning district as well as in accordance with the project site's PUD overlay with approval of a CUP. Therefore, the proposed project would not conflict with the site's land use or zoning designations and development of the project site with the proposed use has been generally anticipated and previously evaluated by the General Plan EIR as part of buildout of the City's planning area.

In addition, the proposed project would be consistent with other applicable policies and regulations adopted for the purpose of avoiding or mitigating environmental effects. For example, as discussed in Section IV, Biological Resources, of this Initial Study, the proposed project would not require the removal of trees. The project would not conflict with any applicable policies, regulations, or ordinances related to the protection of biological resources. Additionally, as discussed under Section XIII, Noise, of this Initial Study, the proposed project would comply with the noise level thresholds established in the City's General Plan and Municipal Code during construction and operation. In addition, the proposed project would comply with Morgan Hill Municipal Code Section 8.28.040.D, which limits the hours construction activities may occur.

Therefore, the proposed project would not cause a significant adverse 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, and **no impact** would occur.

XII. MINERAL RESOURCES.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a,b. The City's General Plan does not identify any regionally or locally important mineral resources within the City of Morgan Hill. The Santa Clara County General Plan does identify mineral resources of importance; however, the project site is not located in proximity to the quarries currently in operation. Furthermore, mining is not allowed by the project site's land use and zoning designations, and mining would be incompatible with the surrounding uses. Consequently, the proposed project would not result in the loss of a known mineral resource that would be of value to the region nor would the project result in the loss of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan. Therefore, ***no impact*** to mineral resources would occur as a result of the proposed project.

XIII. NOISE.

Would the project result in:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a. The following section includes a discussion of noise standards and criteria applicable to various land uses, as well as potential traffic noise and non-transportation noise sources associated with the proposed project. The analysis below is based on the Environmental Noise and Vibration Assessment (Noise Assessment) prepared for the proposed project by Bollard Acoustical Consultants, Inc. (BAC) (see Appendix F of this Initial Study).⁴⁰ The following terms are referenced in this discussion:

- Decibel (dB): A unit of sound energy intensity. An A-weighted decibel (dBA) is a decibel corrected for the variation in frequency response to the typical human ear at commonly encountered noise levels. All references to dB in this discussion will be A-weighted unless noted otherwise.
- Day-Night Average Level (DNL): The average sound level over a 24-hour period, with a penalty of 10 dB applied to noise occurring during nighttime hours (10:00 PM to 7:00 AM).
- Community Noise Equivalent Level (CNEL): The average sound level over a 24-hour period, with a penalty of 5 dB applied to noise occurring during daytime hours (7:00 AM to 10:00 PM) and a penalty of 10 dB applied to noise occurring during nighttime hours (10:00 PM to 7:00 AM).
- Equivalent Sound Level (L_{eq}): The average sound level over a given time-period.
- Maximum Sound Level (L_{max}): The maximum sound level over a given time-period.

Sensitive Receptors

Noise-sensitive land uses are generally defined as locations where people reside or where the presence of unwanted sound could adversely affect the primary intended use of the land. Places where people live, sleep, recreate, worship, and study are generally considered to be sensitive to noise because intrusive noise can be disruptive to these activities. The nearest existing noise sensitive uses to the project have been identified as a single-family residence to the north, multi-family housing (apartments) to the west, and multi-family housing (attached residences) to the southwest.

⁴⁰ Bollard Acoustical Consultants, Inc. *Environmental Noise and Vibration Assessment: Raising Cane's*. January 18, 2024.

Existing Noise Environment

The ambient noise environment in the immediate project vicinity is defined by noise from traffic on Cochrane Road and Butterfield Boulevard. In order to quantify the existing ambient noise environment within the project vicinity, BAC conducted long-term (96-hour) ambient noise level measurements at two locations on January 4th through January 7th, 2024. The long term noise survey locations are shown in Figure 8 and are identified as Site 1 and Site 2. According to the Noise Assessment, the measurements taken at Site 1 are representative of the existing ambient noise level environment at the single-family residential use north of the project site, and the measurements obtained at Site 2 are representative of the existing ambient noise level environment at the closest multi-family residential uses to the west and southwest of the project site. The ambient noise level survey results are summarized in Table 7, below.

Table 7 Ambient Noise Survey Results						
Survey Location ¹	Date	DNL (dB)	Average Measured Hourly Noise Levels (dB)			
			Daytime ²		Nighttime ²	
			Leq	L _{max}	Leq	L _{max}
Site 1	1/4/24	69	66	85	61	80
	1/5/24	69	66	85	62	81
	1/6/24	69	67	83	61	81
	1/7/24	68	66	86	60	79
Site 2	1/4/24	68	67	87	58	76
	1/5/24	67	67	85	58	77
	1/6/24	66	65	86	57	75
	1/7/24	64	63	86	56	75
Notes: ¹ Noise survey site locations are shown in Figure 7. ² Daytime: 7:00 AM to 10:00 PM; Nighttime: 10:00 PM to 7:00 AM. Source: Bollard Acoustical Consultants, Inc. 2024.						

City Noise Standards and Criteria

Chapter 9, Safety, Service, and Infrastructure, of the City's General Plan contains the following policies that would be applicable to the proposed project:

- SSI-8.2 Impact Evaluation. The impact of a proposed development project on existing land uses should be evaluated in terms of the potential for adverse community response based on significant increase in existing noise levels, regardless of compatibility guidelines.
- SSI-8.5 Traffic Noise Level Standards. Consider noise level increases resulting from traffic associated with new projects significant if: a) the noise level increase is 5 dBA L_{dn} or greater, with a future noise level of less than 60 dBA L_{dn}, or b) the noise level increase is 3 dBA L_{dn} or greater, with a future noise level of 60 dBA L_{dn} or greater.
- SSI-8.6 Stationary Noise Level Standards. Consider noise levels produced by stationary noise sources associated with new projects significant if they substantially exceed existing ambient noise levels.

Figure 8
Noise Survey Locations



SSI-8.7 Other Noise Sources. Consider noise levels produced by other noise sources (such as ballfields) significant if an acoustical study demonstrates they would substantially exceed ambient noise levels.

SSI-8.9 Site Planning and Design. Require attention to site planning and design techniques other than sound walls to reduce noise impacts, including: a) installing earth berms, b) increasing the distance between the noise source and the receiver, c) using non-sensitive structures such as parking lots, utility areas, and garages to shield noise-sensitive areas, d) orienting buildings to shield outdoor spaces from the noise source, and e) minimizing the noise at its source.

In addition to the policies listed above, Section 18.76.090 (Noise) of the City's Municipal Code contains maximum noise levels for non-transportation noise sources. The City's quantitative exterior noise standards are reproduced below in Table 8. Importantly, this section of the Code states that noise standards in the below table (i.e., Table 18.76-1 of the Code) do not apply to noise generated by vehicle traffic in the public right-of-way or from temporary construction, demolition, and vehicles that enter and leave the site of the noise-generating use (e.g., construction equipment, trains, trucks).

Table 8	
Noise Level Performance Standards	
Receiving Land Use	Maximum Noise Level at Lot Line of Receiving Use^{1,2}
Industrial and Wholesale	70 dBA
Commercial	65 dBA
Residential or Public/Quasi Public	60 dBA
Notes: ¹ The standards presented herein are interpreted as being hourly average (L_{eq}) noise level standards. ² The planning commission may allow an additional 5 dBA noise level at the lot line if the maximum noise level shown above cannot be achieved with reasonable and feasible mitigation.	
Source: City of Morgan Hill Municipal Code.	

Furthermore, Section 8.28.040.D of the Morgan Hill Municipal Code, limits construction activity noise as follows:

"Construction activities" are defined as including but not limited to excavation, grading, paving, demolition, construction, alteration or repair of any building, site, street or highway, delivery or removal of construction material to a site, or movement of construction materials on a site. Construction activities are prohibited other than between the hours of seven a.m. and eight p.m., Monday through Friday and between the hours of nine a.m. to six p.m. on Saturday. Construction activities may not occur on Sundays or federal holidays. No third person, including but not limited to landowners, construction company owners, contractors, subcontractors, or employers, shall permit or allow any person working on construction activities which are under their ownership, control or direction to violate this provision.

Construction activities may occur in the following cases without violation of this provision:

- a. In the event of urgent necessity in the interests of the public health and safety, and then only with a permit from the Building Official, which permit may be granted for a period of not to exceed three days or less while the

emergency continues and which permit may be renewed for periods of three days or less while the emergency continues.

- b. If the Building Official determines that the public health and safety will not be impaired by the construction activities between the hours of eight p.m. and seven a.m., and that loss or inconvenience would result to any party in interest, the Building Official may grant permission for such work to be done between the hours of eight p.m. and seven a.m. upon an application being made at the time the permit for the work is issued or during the progress of the work.
- c. The city council finds that construction by the resident of a single residence does not have the same magnitude or frequency of noise impacts as a larger construction project. Therefore, the resident of a single residence may perform construction activities on that home during the hours in this subsection, as well as on Sundays and federal holidays from nine a.m. to six p.m., provided that such activities are limited to the improvement or maintenance undertaken by the resident on a personal basis.
- d. Public Works projects are exempt from this section and the City Engineer shall determine the hours of construction for City public projects.

Project Construction

During construction of the proposed project, heavy-duty equipment would be used for demolition, grading, excavation, paving, and building construction, which would result in temporary noise level increases while in operation. Noise levels would vary depending on the type of equipment used, how the equipment is operated, and how well the equipment is maintained. In addition, noise exposure at any single point outside the project site would vary depending on the proximity of construction activities to that point. Standard construction equipment, such as graders, backhoes, loaders, and haul trucks would be used on-site. The nearest sensitive receptors are the single-family residences north of the site and the multi-family residences to the west and southwest of the site. The threshold of perception of the human ear is approximately 3 to 5 dB; a 5 dB change is considered to be clearly noticeable. For the following analysis of project construction activity noise level increases at existing sensitive receptors, a noticeable increase in ambient noise levels is assumed to occur where such activities would result in an increase by 5 dB or more over existing ambient noise levels.

Table 9 shows the maximum noise levels associated with typical construction equipment.

Table 9 Construction Equipment Noise	
Type of Equipment	Maximum Level, dB at 50 feet
Backhoe	78
Compactor	83
Compressor (air)	78
Dozer	82
Dump Truck	76
Excavator	81
Generator	81
Pneumatic Tools	85
<i>Source: Federal Highway Administration, Roadway Construction Noise Model User's Guide, January 2006.</i>	

Based on the table, activities involved in typical construction would generate maximum noise levels up to 85 dB at a distance of 50 feet. The single-family residence to the north is located approximately 150 feet from the project site, and the multi-family residences to the west and southwest are located approximately 140 feet from the project site. The Noise Assessment concluded that the single- and multi-family residences would be subject to maximum construction noise levels up to 75 dB and 76 dB, respectively. As such, based on the ambient noise level survey results presented in Table 7, BAC determined that construction activities would result in increases in ambient daytime noise levels at the nearest sensitive uses ranging from 1.9 dB L_{max} to 2.1 dB L_{max} , which is below the applicable increase significance criterion of 5 dB.

Given the restrictions on construction hours, the City's standard conditions of approval requiring the use of best available technology by construction contractors to minimize excessive noise from construction equipment, and BAC's determination that project construction would not significantly increase ambient daytime noise levels at sensitive receptors, the project would not result in an impact related to a substantial temporary increase in noise generation during construction activities.

Project Operational Noise

The project consists of operation of a Raising Cane's restaurant with drive-through services. The project proposes restaurant operations (including drive-through services) during the hours of 9:00 AM to 3:30 AM seven days a week. In addition to increased traffic on nearby roadways, the primary noise sources associated with project on-site operations have been identified in the Noise Assessment as parking lot movements, drive-through operations (vehicle passages and amplified menu speaker board), on-site vehicle circulation, outdoor dining area noise (including music), delivery truck circulation and delivery activities, and mechanical equipment.

For noise generated by on-site operations, Section 18.76.090 of the Morgan Hill Municipal Code establishes a property line exterior noise level standard of 60 dB L_{eq} for residential uses. Furthermore, General Plan Policy SSI-8.6 states that noise levels produced by stationary noise sources associated with new projects shall be considered significant if they substantially exceed existing ambient noise levels. However, Policy SSI-8.6 does not contain numeric increase significance criteria. In terms of determining the temporary noise increase due to project on-site operations and construction activities (non-transportation noise sources) at existing sensitive receptors in the vicinity, an impact would occur if such activities would noticeably increase ambient noise levels above background levels at existing sensitive receptors. As previously noted, the threshold of perception of the human ear is approximately 3 to 5 dB; a 5 dB change is considered to be clearly noticeable. For the following analysis of project on-site commercial operations and construction activity noise level increases at existing sensitive receptors, a noticeable increase in ambient noise levels is assumed to occur where such activities would result in an increase by 5 dB or more over existing ambient noise levels. Satisfaction of the City's noise level criteria at the closest residential uses would ensure compliance with the City's noise level limits at residential uses located farther away.

Analyses of each of the identified project noise sources at the existing single- and multi-family residences in the project vicinity are provided below.

Increases in Traffic Noise Levels

Operation of the proposed project would generate noise associated with increased traffic on nearby roadways. Pursuant to General Plan Policy SSI-8.5, noise level increases resulting from traffic associated with new projects are considered significant if: a) the noise level increase is 5 dBA day-night average sound level (L_{dn}) or greater, with a future noise level of less than 60 dB L_{dn} ; or b) the noise level increase is 3 dB L_{dn} or greater, with a future noise level of 60 dB L_{dn} or greater.

As part of the Noise Assessment, BAC evaluated existing and cumulative traffic noise levels in the project vicinity using traffic data provided by Hexagon Transportation Consultants, Inc. As shown in Table 8 and Table 10, respectively, of the Noise Assessment, in both Existing Plus Project Conditions and Cumulative Plus Project Conditions, the greatest increase in traffic noise levels on a roadway segment without a sensitive receptor would be 1.6 dB, and the greatest increase in traffic noise levels on a roadway segment in the proximity of a sensitive receptor would be 0.1 dB. Therefore, the proposed project would not result in a traffic noise level increase of 3 dB or greater. In addition, vehicle trips generated by the proposed project are generally included in the estimate of buildout of the General Plan because the proposed project is consistent with the site's Commercial land use designation. Considering the anticipated change in transportation noise on adjacent roadways would not exceed the City's standards set forth in Policy SSI-8.5, traffic noise increases attributable to the project would be less than significant.

Parking Area Noise

As a means of determining potential noise exposure due to project parking lot activities, BAC utilized specific parking lot noise level measurements conducted by BAC. Specifically, a series of individual noise measurements were conducted of multiple vehicle types arriving and departing a parking area, including engines starting and stopping, car doors opening and closing, and persons conversing as they entered and exited the vehicles. The results of those measurements revealed that individual parking lot movements generated mean noise levels of approximately 70 dB mean sound exposure level (SEL) at a reference distance of 50 feet. Using the foregoing information, project parking activity noise exposure at nearest residential uses was calculated; the results are presented below in Table 10.

Table 10 Predicted Parking Area Noise Levels at Nearest Residential Uses			
Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	34
Multi-Family Residential	West	Property Line	39
Multi-Family Residential	Southwest	Property Line	38
Notes: ¹ Noise survey site locations are shown in Figure 7. ² Worst-case predicted parking area noise levels from all 50 proposed stalls emptying or filling during a given hour.			
Source: Bollard Acoustical Consultants, Inc., 2024.			

As shown in Table 10, project parking area movements are predicted to satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the nearest residential uses. In addition, using the lowest average measured hourly (L_{eq}) noise levels at Sites 1 and 2 during the hours of operations proposed by the project (9:00 AM to 3:30 AM), ambient plus project parking area noise level increases were calculated at the residential uses to north, west, and southwest. BAC calculated that project-generated increases in ambient noise levels would be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), project-generated increases in ambient noise levels would range from less than 0.1 dB L_{eq} to 0.5 dB L_{eq} at the nearby residential uses.

The calculated increase in ambient daytime and nighttime noise levels indicated above would be well below the applied increase significance criterion of 5 dB. Therefore, impacts related to increased parking area noise generated by the proposed project would be less than significant.

Drive-Through Operations

The proposed project would include two drive-through lanes with two amplified menu speaker posts, specifically two HME SPP2 speaker posts. In order to quantify the noise emissions of the proposed drive-through speaker usage, BAC utilized noise level measurement data published by the speaker manufacturer. BAC determined that the proposed speaker posts have the ability to incorporate AVC, which adjusts outbound volume based on the ambient noise level environment. For example, assuming an outdoor ambient noise level of 45 dB, the speaker would adjust the volume of the system to 45 dB for a resulting overall sound level of 48 dB at a distance of four feet. Without the AVC option, the speaker reference noise level would be 72 dB at four feet. To quantify the noise emissions of the proposed drive-through vehicle passages, BAC utilized noise measurement data collected for similar drive-through operations in the greater Sacramento area in recent years. BAC file data indicates that drive-through vehicle passages, including vehicle idling, have median and maximum noise levels of 60 dB L_{eq} at a distance of five feet. Using the foregoing information, data were projected from the proposed drive-through lanes and speaker posts to the property lines of the nearest residential uses. The results of such projections, summarized in Table 11, below, include conservative predictions of project drive-through speaker noise levels (i.e., AVC option not enabled).

Table 11				
Predicted Drive-Through Noise Levels at Nearest Residential Uses				
Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²	
			Speakers³	Vehicles
Single-Family Residential	North	Property Line	38	28
Multi-Family Residential	West	Property Line	33	29
Multi-Family Residential	Southwest	Property Line	36	24
Notes: ¹ Noise survey site locations are shown in Figure 7. ² Combined noise level from two speakers in operation simultaneously (worst-case). ³ Predicted speaker noise level with AVC option not enabled.				
Source: Bollard Acoustical Consultants, Inc., 2024.				

As indicated in Table 11, above, project drive-through operations noise levels are predicted to satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. It should be noted that activation of the drive-through speaker model's AVC option would further reduce speaker noise level exposure at nearby noise-sensitive uses. In addition, using the lowest average hourly (L_{eq}) noise levels at Sites 1 and 2 during the proposed project's hours of operation (9:00 AM to 3:30 AM), ambient plus project drive-through operations noise level increases were calculated at the residential uses to north, west, and southwest. Project-generated increases in ambient noise levels are calculated to be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.3 dB L_{eq} at the nearby residential uses. The calculated increase in ambient daytime and nighttime noise levels indicated above is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to noise generated by the proposed drive-through operations would be less than significant.

On-Site Vehicle Circulation Noise

In order to quantify project on-site passenger vehicle circulation noise exposure, BAC utilized specific automobile passby noise level measurements, which indicate that individual passbys generate mean noise levels of approximately 70 dB SEL at a reference distance of 50 feet.

According to the Noise Assessment, the project is estimated to generate up to 96 vehicle trips during a PM peak hour. Based on a conservative 96 vehicle trips per hour during daytime hours of operation (9:00 AM to 10:00 PM), and a 50 percent worst case estimated peak hour trip generation of 48 vehicle trips per hour during nighttime hours of operation (10:00 PM to 3:30 AM), a worst case project on-site passenger vehicle circulation noise exposure at the property lines of the nearest residential uses was calculated. The results are summarized below in Table 12. It is noted that the results presented in Table 12 conservatively assume that worst-case busy hour vehicle trip generation would all occur within the on-site drive lane located closest to the nearest residential use. However, it is likely that on-site vehicle circulation would be more evenly distributed.

Table 12 Predicted On-Site Vehicle Circulation Noise Levels at Nearest Residential Uses				
Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB) ^{2,3}	
			Daytime	Nighttime
Single-Family Residential	North	Property Line	46	43
Multi-Family Residential	West	Property Line	46	43
Multi-Family Residential	Southwest	Property Line	48	45
Notes: ¹ Noise survey site locations are shown in Figure 7. ² Predicted daytime noise level based on 96 vehicle trips during a given daytime hour of operations. ³ Predicted nighttime noise level based on 48 vehicle trips during a given nighttime hour of operations.				
Source: Bollard Acoustical Consultants, Inc., 2024.				

As indicated in Table 12, predicted worst-case project on-site vehicle circulation noise would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that increases in ambient noise levels generated by on-site vehicle circulation would range from 0.1 dB L_{eq} to 0.3 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), project-generated increases in ambient noise levels are calculated to range from 0.3 dB L_{eq} to 1.6 dB L_{eq} at the nearby residential uses. The calculated increase in ambient daytime and nighttime noise levels indicated above is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to noise generated by on-site passenger vehicle circulation would be less than significant.

Outdoor Dining Area Noise

The proposed project would include a small outdoor patio for restaurant patrons. In order to quantify outdoor patio area noise levels for the Noise Assessment, BAC used reference file data for restaurant dining areas with music. According to the Noise Assessment, restaurant dining areas with music have a reference sound level of 82 dB at a distance of approximately three feet. Based on the foregoing information, outdoor dining area noise was projected at the property lines of the nearest residential uses; the results of the analysis are presented in Table 13, below.

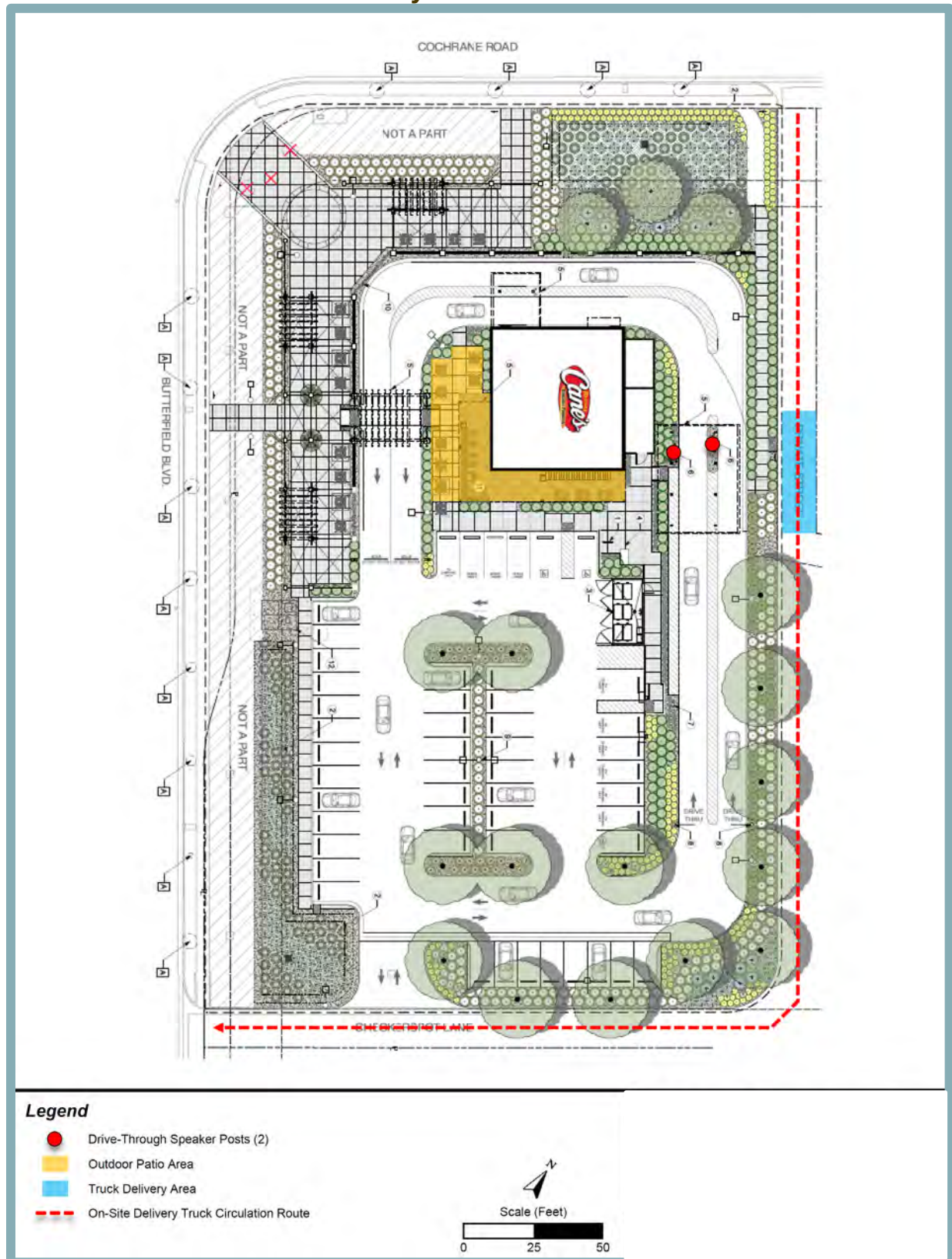
Table 13 Predicted Outdoor Dining Area Noise Levels at Nearest Residential Uses			
Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	44
Multi-Family Residential	West	Property Line	46
Multi-Family Residential	Southwest	Property Line	44
Notes: ¹ Locations of residential uses are show in Figure 7. ² Predicted noise levels based on a reference sound level of 82 dB at a distance of approximately three feet.			
Source: Bollard Acoustical Consultants, Inc., 2024.			

As indicated in Table 13, predicted outdoor dining area noise levels would satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that increases in ambient noise levels generated by outdoor dining area noise would range from 0.1 dB L_{eq} to 0.2 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), outdoor dining area noise increases in ambient noise levels are calculated to range from 0.4 dB L_{eq} to 2.1 dB L_{eq} at the nearby residential uses. The calculated increase in ambient noise levels is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to outdoor dining area noise levels would be less than significant.

Truck Delivery Noise

Deliveries of product to the proposed restaurant would likely be delivered by trucks using the truck circulation route to the designated delivery area shown in Figure 9.

Figure 9
On-Site Delivery Truck Circulation Route



The proposed restaurant would likely receive deliveries of fresh chicken every 24 hours, as well as deliveries associated with laundry pickup/drop-offs throughout the week. The primary noise sources associated with delivery activities are trucks stopping (air brakes), trucks backing into position (back-up alarms), and trucks pulling away from the unloading area (revving engines). The Noise Assessment states that noise levels associated with medium- and heavy-duty truck deliveries are approximately 83 dB SEL at a distance of 100 feet. In order to calculate hourly average noise level exposure from truck deliveries, the Noise Assessment assumes that the project would conservatively have one heavy truck and one medium duty truck delivery during the same worst-case busy hour; BCA determined that the hourly average noise level computes to 50 dB L_{eq} at a reference distance of 100 feet during the worst-case hour of deliveries. Based on the foregoing information, worst-case project truck delivery noise exposure at the nearest residential uses was calculated; the results of the analysis are present in Table 14, below.

Table 14 Predicted Truck Delivery Noise Levels at Nearest Residential Uses			
Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	42
Multi-Family Residential	West	Property Line	40
Multi-Family Residential	Southwest	Property Line	39
Notes: ¹ Locations of residential uses are show in Figure 7. ² Predicted noise level based on 1 heavy truck and 1 medium truck delivery within the same hour.			
Source: Bollard Acoustical Consultants, Inc., 2024.			

As indicated in Table 14, predicted truck delivery noise levels would satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that increases in ambient noise levels generated by truck delivery noise would be a maximum of 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), truck delivery noise increases in ambient noise levels are calculated to range from 0.2 dB L_{eq} to 0.6 dB L_{eq} at the nearby residential uses. The calculated increase in ambient noise levels is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to truck delivery noise levels would be less than significant.

On-Site Truck Circulation Noise

As discussed above, deliveries of product to the proposed restaurant would likely occur at the designated delivery area shown in Figure 9. According to the Noise Assessment, on-site truck passbys are anticipated to be brief and would occur at low speeds. The Noise Assessment determined that single-event heavy and medium truck passby noise levels would be approximately 83 dB and 76 dB SEL, respectively, at a reference distance of 50 feet. In order to calculate hourly average noise level exposure from truck circulation, the Noise Assessment assumes that the project would conservatively have one heavy-duty truck and one medium-duty truck delivery during the same worst-case busy hour. BAC determined that the combined hourly average noise level generated by on-site delivery

truck circulation would be 48 dB L_{eq} at a reference distance of 50 feet from the passby route during the worst-case hour of deliveries.

Based on the foregoing information, worst-case project on-site truck circulation noise exposure at the nearest residential property lines were calculated; the results of the analysis are presented in Table 15, below.

Table 15 Predicted On-Site Truck Circulation Noise Levels at Nearest Residential Uses			
Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	37
Multi-Family Residential	West	Property Line	37
Multi-Family Residential	Southwest	Property Line	39
Notes: ¹ Locations of residential uses are show in Figure 7. ² Predicted noise level based on 1 heavy truck and 1 medium truck delivery within the same hour.			
Source: Bollard Acoustical Consultants, Inc., 2024.			

As indicated in Table 15, predicted on-site truck circulation noise levels would satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that increases in ambient noise levels generated by on-site truck circulation noise would be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), on-site truck circulation noise increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.4 dB L_{eq} at the nearby residential uses. The calculated increase in ambient noise levels is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to on-site truck circulation noise levels would be less than significant.

Mechanical Equipment Noise

In preparing the Noise Assessment, BAC determined that HVAC requirements for the proposed project would most likely be met using packaged roof-mounted systems. BAC reference file data for HVAC systems indicate that a 12.5-ton packaged unit would be expected to generate an A-weighted sound power level of 85 dB. Using the foregoing information, project HVAC equipment noise exposure at the nearest residential uses was calculated; the results of the analysis are presented in Table 16, below.

As indicated in Table 16, predicted HVAC equipment noise levels associated with the proposed project would satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that increases in ambient noise levels generated by HVAC equipment noise would be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM).

Table 16
Predicted HVAC Equipment Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L _{eq} (dB)
Single-Family Residential	North	Property Line	38
Multi-Family Residential	West	Property Line	38
Multi-Family Residential	Southwest	Property Line	35
Note: ¹ Locations of residential uses are show in Figure 7.			
Source: Bollard Acoustical Consultants, Inc., 2024.			

During proposed nighttime hours of operations (10:00 PM to 3:30 AM), HVAC equipment noise increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.4 dB L_{eq} at the nearby residential uses. The calculated increase in ambient noise levels is well below the applied increase significance criterion of 5 dB. Therefore, impacts related to project HVAC equipment noise levels would be less than significant.

Combined On-Site Operational Noise

The calculated combined noise levels from all foregoing analyzed on-site operations at the nearest residential uses during daytime hours of operation (9:00 AM to 10:00 PM) and nighttime hours of operations (10:00 PM to 3:30 AM) are presented in Table 17 and Table 18, respectively, below. It should be noted that due to the logarithmic nature of the decibel scale, the sum of two noise values which differ by 10 dB equates to an overall increase in noise levels of 0.4 dB. When the noise sources are equivalent, the sum would result in an overall increase in noise levels of 3 dB.

As indicated in Table 17 and Table 18, calculated combined noise level exposure from project operations would satisfy the Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. Furthermore, the Noise Assessment determined that combined project-generated increases in ambient noise levels would range from 0.2 dB L_{eq} to 0.6 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 AM to 10:00 PM). During proposed nighttime hours of operations (10:00 PM to 3:30 AM), combined project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 3.9 dB L_{eq} at the nearby residential uses. The calculated increase in ambient noise levels is below the applied increase significance criterion of 5 dB. Therefore, impacts related to combined noise level exposure from project operations would be less than significant.

Conclusion

Based on the above, implementation of the proposed project would not result in the 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 City's General Plan and the Municipal Code. Therefore, **no impact** would occur.

- b. Similar to noise, vibration involves a source, a transmission path, and a receiver. However, noise is generally considered to be pressure waves transmitted through air, whereas vibration usually consists of the excitation of a structure or surface. As with noise, vibration consists of an amplitude and frequency.

Table 17
Combined On-Site Noise Levels at Nearest Residential Uses – Daytime Hours

Predicted Exterior Noise Levels, L_{eq} (dB)									Combined L_{eq} (dB) ³
Receiver ¹	Direction	Parking	Drive-Through ²	Vehicle Circulation	Outdoor Patio	Truck Circulation	Truck Deliveries	HVAC	
Single-Family Residential	North	34	39	46	44	37	42	38	50
Multi-Family Residential	West	39	38	46	46	37	40	38	51
Multi-Family Residential	Southwest	38	36	48	44	39	39	35	51

Notes:

¹ Locations of residential uses are show in Figure 7.

² Combined noise levels from drive-through operations sources (i.e. menu speakers and vehicles).

³ Calculated cumulative noise levels based on the predicted noise levels presented in the analysis above.

Source: Bollard Acoustical Consultants, Inc. 2024

Table 18
Combined On-Site Noise Levels at Nearest Residential Uses – Nighttime Hours

Predicted Exterior Noise Levels, L_{eq} (dB)									Combined L_{eq} (dB) ³
Receiver ¹	Direction	Parking	Drive-Through ²	Vehicle Circulation	Outdoor Patio	Truck Circulation	Truck Deliveries	HVAC	
Single-Family Residential	North	34	39	43	44	37	42	38	49
Multi-Family Residential	West	39	38	43	46	37	40	38	50
Multi-Family Residential	Southwest	38	36	45	44	39	39	35	49

Notes:

¹ Locations of residential uses are show in Figure 7.

² Combined noise levels from drive-through operations sources (i.e. menu speakers and vehicles).

³ Calculated cumulative noise levels based on the predicted noise levels presented in the analysis above.

Source: Bollard Acoustical Consultants, Inc. 2024

A person's perception to the vibration depends on their individual sensitivity to vibration, as well as the amplitude and frequency of the source and the response of the system which is vibrating. Vibration is measured in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of the velocity in decibels in root-mean-square (VdB, RMS).

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of construction. According to the Noise Assessment, the nearest existing structures to the project site have been identified as relatively newer engineered residences, and, thus, are not highly susceptible to damage by vibration.

Table 19 shows the typical vibration levels produced by construction equipment commonly used in general construction projects at 25 feet, as well as projected equipment vibration levels at the nearest residential uses.

Table 19 Vibration Levels for Various Construction Equipment				
Type of Equipment	Maximum Vibration at 25 feet, VdB (rms)	Projected Maximum Vibration Level, VdB (rms)		
		Single-Family Residential-North (190 feet)	Multi-Family Residential-West (140 feet)	Multi-Family Residential-Southwest (175 feet)
Vibratory Roller	94	62	65	63
Hoe Ram	87	58	61	59
Large bulldozer	87	58	61	59
Caisson drilling	87	58	61	59
Loaded trucks	86	57	60	57
Jackhammer	79	56	58	56
Small bulldozer	58	<55	<55	<55
Note: ¹ RMS velocity in decibels (VdB) re 1 micro-inch/second.				
Source: Bollard Acoustical Consultants, Inc., 2024.				

Based on the data presented in Table 19, vibration levels generated from on-site construction activities are predicted to be below the applicable threshold for damage to engineered structures (98 VdB) at a distance of 25 feet from those activities. In addition, construction-related vibration levels at the nearest residential uses are predicted to be below the 65 VdB threshold of human perception. Furthermore, BAC determined that commercial uses such as the proposed project do not typically include equipment that would generate substantial vibration. Therefore, the proposed project would not expose people to or generate excessive groundborne vibration or groundborne noise levels, and **no impact** would occur.

- c. The public airport nearest to the project site is the San Martin Airport, which is located approximately 5.7 miles southeast of the project site at 13030 Murphy Avenue. The project site is located well outside of the Airport Influence Area identified in the South County Airport Comprehensive Land Use Plan.⁴¹ In addition, the project site is not located within

⁴¹ Santa Clara County. *Comprehensive Land Use Plan, Santa Clara County, South County Airport*. Amended November 16, 2016.

the vicinity of a private airstrip. Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels associated with air traffic, and ***no impact*** would occur.

XIV. POPULATION AND HOUSING.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?	☐	☐	☐	✗
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	✗

Discussion

- a. The project site does not contain any existing residential development, nor would the proposed project result in the addition of residential development to the site. As such, buildout of the proposed project would not induce population growth. The primary consideration regarding increased growth is not the growth itself, but the effects of such growth on the City's infrastructure systems, with the key inquiry being whether the systems would become overburdened as a result of the additional demand created by the project. As discussed in Section XIX, Utilities and Service Systems, of this Initial Study, adequate utility infrastructure would be available to support the proposed project. Thus, the proposed project would not induce substantial unplanned population growth in an area, either directly or indirectly, and ***no impact*** would occur.
- b. The proposed project would not require the demolition of any existing residential units. As such, the proposed project would not displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere, and ***no impact*** would occur.

XV. PUBLIC SERVICES.

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:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Fire protection?	☐	☐	☐	✗
b. Police protection?	☐	☐	☐	✗
c. Schools?	☐	☐	☐	✗
d. Parks?	☐	☐	☐	✗
e. Other Public Facilities?	☐	☐	☐	✗

Discussion

a-e. The City of Morgan Hill contracts with the California Department of Forestry and Fire Protection (CAL FIRE) for fire protection services. The nearest fire station to the project site (El Toro Station) is located approximately 1.2 miles to the southwest. Although the City has not adopted response time standards or goals related to fire suppression, CAL FIRE is held to a seven minute, 59 second response time standard based on the 911 Emergency Medical Services Provider Agreement between the City of Morgan Hill and the County of Santa Clara Emergency Medical Services Agency.⁴² The incremental increase in demand for fire protection associated with the proposed project would not necessitate new or physically altered fire protection facilities and would not be substantial enough such that the current response times could not be maintained. In addition, the proposed building would include a fire sprinkler system which would decrease the likelihood of fire-related incidents to occur at the site.

The project site is also located in close proximity to the Morgan Hill Police Department, which is located at 16200 Vineyard Boulevard, approximately three miles south of the site. Thus, police response times would be comparable to nearby existing developments.

With respect to schools and recreational facilities, given that the project would be a commercial use, the proposed project would not increase the demand for public schools, parks, or libraries in the area.

Because the project is an allowable use under the site's General Plan land use designation, buildout of the site has been evaluated in the City's General Plan EIR and assumed in City planning efforts. Thus, the associated increase in demand for public services has already been anticipated and planned for by the City. Furthermore, the proposed project would be subject to payment of development impact fees, which are used to help pay for infrastructure, including fire facilities, police facilities, and other public facilities needed to support new development within the City.

Based on the above, the proposed project would have **no impact** with respect to creating adverse physical environmental impacts associated with the provision of new or physically altered governmental facilities in order to maintain acceptable service ratios, response times or other performance objectives for fire protection, police protection, schools, and other public facilities.

⁴² Dwight Good, Assistant Chief Cooperative Fire Protection, Morgan Hill Fire Department. Personal communication [phone] with Nick Pappani, Vice President, Raney Planning and Management, Inc. June 1, 2021.

XVI. RECREATION.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a,b. The proposed project would include the development of a drive-through restaurant. The proposed project would not result in population growth that could result in increased use of existing recreational facilities, nor would the proposed project include or require construction or expansion of recreational facilities. Thus, **no impact** would occur related to recreational resources.

XVII. TRANSPORTATION.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☐	✗
b. 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?	☐	☐	☐	✗

Discussion

- a. The law has changed with respect to how transportation-related impacts may be addressed under CEQA. Traditionally, lead agencies used LOS to assess the significance of such impacts, with greater levels of congestion considered to be more significant than lesser levels. Enacted as part of SB 743 (2013), PRC Section 21099, subdivision (b)(1), directed the OPR to prepare, develop, and transmit to the Secretary of the Natural Resources Agency for certification and adoption proposed CEQA Guidelines addressing “criteria for determining the significance of transportation impacts of projects within transit priority areas. Those criteria shall promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses.”

Pursuant to SB 743, the Natural Resources Agency promulgated CEQA Guidelines Section 15064.3 in late 2018. It became effective in early 2019. Subdivision (a) of that section provides that “[g]enerally, vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, ‘vehicle miles traveled’ refers to the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel. Except as provided in subdivision (b)(2) below (regarding roadway capacity), a project’s effect on automobile delay shall not constitute a significant environmental impact.”

Please refer to Question ‘b’ for a discussion of VMT.

Transit, Bicycle, and Pedestrian Facilities

Bus service in the City of Morgan Hill is provided by the Santa Clara VTA, which operates local bus service with regional connections to destinations north and south of Morgan Hill. The project site is served by VTA bus routes that run along Cochrane Road and Monterey Road. The closest bus stop to the project site is located less than 500 feet from the project site at the intersection of Cochrane Road and Butterfield Boulevard; additional bus stops are available at the Cochrane Road/Monterey Road and Cochrane Road/Sutter Boulevard intersections, approximately 0.25-mile south and north of the site, respectively. The transit ridership demands of the proposed project can be accommodated by the existing transit facilities. Therefore, the proposed project would not conflict with a program, plan, ordinance, or policy related to the City’s transit facilities.

In the project vicinity, bike lanes are available along Butterfield Boulevard and Cochrane Road. Pedestrian walkways would provide a continuous route between frontage bike lanes and on-site bicycle parking. Furthermore, the demand generated by the proposed project

would be accommodated by the existing bicycle facilities in the project vicinity, and the proposed project would not conflict with any existing or planned bicycle facilities.

Sidewalks are available along most developed parcels in the project vicinity. Existing five-foot-wide sidewalks are available along the Cochrane Road and Butterfield Boulevard project frontages. Although sidewalks are not currently present along the undeveloped parcels within Evergreen Village, sidewalks are anticipated to be developed as part of future construction of those parcels. Although a sidewalk is not proposed along the Checkerspot Lane project frontage, an existing sidewalk along the south side of Checkerspot Lane would connect with other parcels within Evergreen Village.

Crosswalks with protected crossing phases are provided along the east and south approaches of the Butterfield Boulevard/Cochrane Road intersection. Curb ramps are provided at the southwest and southeast corners; however, only the southeast corner (adjacent to the project site) is ADA compliant. A crosswalk across Checkerspot Lane is provided at its intersection with Butterfield Boulevard and ADA compliant ramps are provided at both ends of the crosswalk. At the intersection of Butterfield Boulevard and Jarvis Road, only north-south crosswalks are provided along the east and west approaches. The nearest east-west crossing across Butterfield Boulevard south of the project site is located at the Butterfield Boulevard/Sutter Boulevard intersection, approximately 0.25-mile to the south of the project site.

The sidewalks and curb ramps to be constructed as part of the proposed project would create an accessible network of pedestrian pathways to and from the project site and surrounding uses. Continuous pedestrian routes would be provided between the project site and bus stops along Cochrane Road. However, pedestrian access to areas west of the project site would not be fully accessible due to a non-ADA compliant curb ramp at the Butterfield Boulevard/Cochrane Road intersection. The curb ramp located at the southwest corner of the intersection cannot serve as part of an accessible route due to the missing facilities which are not the responsibility of the proposed project.

Overall, the existing and proposed pedestrian infrastructure would provide adequate connection and circulation in the project vicinity. Therefore, the proposed project would not conflict with existing transit, bicycle, or pedestrian facilities.

Conclusion

Based on the above, ***no impact*** would occur related to conflicting with a program, plan, ordinance, or policy addressing the circulation system, including transit, bicycle, and pedestrian facilities.

- b. Section 15064.3 of the CEQA Guidelines provides specific considerations for evaluating a project's transportation impacts. Pursuant to Section 15064.3, analysis of VMT attributable to a project is the most appropriate measure of transportation impacts, with other relevant considerations consisting of the effects of the project on transit and non-motorized travel. VMT is the total miles of travel by personal motorized vehicles a project is expected to generate in a day. VMT measures the full distance of personal motorized vehicle-trips, with one end within the project site. Typically, development projects that are farther from other, complementary land uses (such as a business park far from housing) and in areas without transit or active transportation infrastructure (bike lanes, sidewalks, etc.) generate more driving than development near complementary land uses with more robust transportation options. Therefore, development projects located in a central

business district with high density and diversity of complementary land uses and frequent transit services are expected to internalize trips and generate shorter and fewer vehicle trips than developments located in a suburban area with low density of residential developments and no transit service in the project vicinity.

To adhere to the state's legislation, the City is currently developing the framework for new transportation policies based on the implementation of VMT as the primary measure of transportation impacts for CEQA purposes. However, as the City has not formally adopted City-specific VMT policies, the VMT assessment for the proposed project incorporated methodology and impact thresholds recommended in the *OPR Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory)*. A VMT Assessment was prepared for the proposed project by Hexagon Transportation Consultants, Inc. in order to assess VMT-related impacts of the proposed project (see Appendix G of this Initial Study).⁴³

The OPR provides screening threshold recommendations that are intended to identify when a project can be determined to cause a less-than-significant impact without conducting a detailed VMT evaluation. The OPR screening threshold recommendations are based on project size, maps, transit availability, and provision of affordable housing. One such recommendation is that local-serving retail developments (considered to be less than 50,000 sf in size) may be assumed to cause a less-than-significant impact on VMT. However, the guidelines for the evaluation of VMT for development projects is limited to general land use categories such as residential, office, industrial, and retail. Therefore, the assessment of VMT for the proposed fast-food restaurant required a conversion to an equivalent amount of one of the general land uses that has similar trip generating and trip origin/destination characteristics. The number and origination/destination of daily trips and resulting VMT generated by the proposed fast-food restaurant available within the City would be similar to that of local-serving retail because another Raising Cane's restaurant is not located within the City. As such, the proposed project would provide service to City residents that does not exist today. Therefore, the proposed fast-food restaurant was converted to an equivalent amount of local-serving retail space based on a comparison of estimated daily trips using Institute of Transportation Engineers (ITE) trip rates for the proposed fast-food restaurant and typical retail uses.

The VMT Assessment estimated site-generated vehicular traffic for the proposed project by using trip generation rates that were determined based on vehicular counts at similar fast-food restaurants with two drive-through lanes and with comparable square footage as the proposed project. Daily trip generation was estimated based on the surveyed peak-hour trips and the ratio of peak-hour trips to daily trips for a fast-food restaurant with drive-through window (Land Use 934) published in the ITE *Trip Generation Manual, 11th Edition*. The results of each survey were used to calculate average trip rates. Using these average rates, the proposed project is estimated to produce 1,355 daily vehicle trips prior to any trip reductions.

Fast-food restaurants with drive-through windows attract a substantial number of pass-by trips, which are trips made by drivers who already pass by the project site on an adjacent street in-route to another destination, such as a trip from work to home. In contrast, primary (non-pass-by) trips are new trips made for the sole purpose of visiting the project site.

⁴³ Hexagon Transportation Consultants, Inc. *VMT Assessment for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California*. March 1, 2024.

Thus, pass-by trips are not considered new trips that are generated by the project site. However, the attraction of pass-by trips does result in a reassignment of existing through traffic at intersections immediately adjacent to the project site. A 50 percent reduction was assumed for the estimated daily trips. After subtracting pass-by trips, the project is expected to generate 677 primary vehicle trips per day.

The proposed project consists of a 2,899-sf drive-through restaurant. Because the OPR screening criteria are not directly applicable to such uses, the VMT Assessment converted the proposed project to an equivalent amount of retail/commercial use. The results of the conversion of the proposed fast-food restaurant to an equivalent amount of retail/commercial space, indicate that the proposed fast-food restaurant would generate net new daily trips equivalent to that of an approximately 18,500-sf retail development. If pass-by reduction is not applied, the proposed project would generate daily trips equivalent to that of an approximately 37,000-sf retail development.

Because the proposed project's converted retail size, with or without pass-by reductions, would be less than 50,000 sf, the proposed project may be presumed to be a local-serving facility and would therefore have a less-than-significant impact on VMT. The OPR guidelines suggest that by adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Raising Cane's, in particular, does not have a significant presence in the Bay Area. The proposed new Morgan Hill location would provide a proximate location for City residents to a Raising Cane's restaurant, thus resulting in shorter trips and subsequent reduction in VMT generated by Morgan Hill residents for the purpose of visiting a Raising Cane's location. Moreover, the trip generation estimates assume a significant number of trips will be pass-by trips, which are based on pass-by rates derived from the *ITE Trip Generation Manual, 11th Edition*. As discussed above, pass-by trips are not considered new trips and merely result in a reassignment of existing through traffic (i.e., along Cochrane Road and Butterfield Boulevard) at site driveways and intersections immediately adjacent to the project site. Such pass-by trips are already accounted for in the baseline VMT and are not new VMT generated by the proposed project. Therefore, the proposed project can be presumed to be a local-serving facility and, as such, would not have a significant impact related to VMT.

Based on the above, the proposed project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3(b), and **no impact** would occur.

- c,d. As part of the Trip Generation and Operations Analysis prepared for the proposed project, Hexagon Transportation Consultants, Inc. evaluated site access and geometric design.⁴⁴ Primary vehicular access to the project site would be provided via an access point along Checkerspot Lane, a private roadway that runs east-west through Evergreen Village. The project also proposes to extend the private street (Street A) which runs along the east project frontage from its current southerly terminus to connect to create a connection to Checkerspot Lane.

⁴⁴ Hexagon Transportation Consultants, Inc. *Trip Generation and Operations Analysis for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California*. March 1, 2024.

Implementation of the proposed project would not result in any modifications to the City's existing roadway system, and would provide adequate access to the site for emergency vehicles. Emergency vehicles would use the primary access driveway to enter the site, and could pull into the parking areas located on-site.

The proposed drive-through would be comprised of two lanes, with each lane having its own ordering board. During non-peak periods, customers would merge into a single lane as they proceed past the ordering boards towards the pay and pick-up window. During peak demand periods, customers would remain in two-lane configuration as staff members are deployed to deliver food to customers in the outside lane. When needed, the outside lane also could be used as a by-pass lane to prioritize customers with smaller orders through the drive-through sequence. Each lane would be 12 feet wide and would have their own entrance and exit points. The lanes would be separated by pavement markings. Assuming 20 feet per car and full utilization of each lane between the pick-up window and lane entrance, each lane would have a maximum capacity for approximately 14 vehicles. The proposed drive-through lanes would be compliant with the City's standard requirements for drive-through facilities, as established in Chapter 18.92.040 of the City's Code of Ordinances.

As part of the Trip Generation and Operations Analysis prepared for the proposed project, Hexagon Transportation Consultants, Inc. observed vehicle queues at three existing Raising Cane's restaurants in Northern California with two drive-through lanes in a configuration similar to the proposed project during the weekday and Saturday AM and PM peak-hours to confirm that the proposed drive-through storage would be sufficient to meet demand. The maximum queue observed during weekdays was a total of 23 vehicles across two drive-through lanes, while the maximum queue observed during the Saturday lunchtime period was 25 vehicles. As such, the proposed drive-through, which would have a total capacity for up to 28 vehicles, is anticipated to have adequate capacity to accommodate expected queues during peak hours.

Based on the observed drive-through queues, vehicle queues are unlikely to exceed the planned drive-through capacity and are not expected to spill over into Skipper Lane or Cochrane Road. However, as a Condition of Approval, the proposed project would be required to prepare a Drive-Through Queue Management Plan that can be implemented during abnormally high demand periods to ensure that circulation within the on-site parking lot and on adjacent drive aisles would not be negatively affected by drive-through operations. The Drive-Through Queue Management Plan could include, but would not be limited to, measures used at other Raising Cane's locations, including:

- Implementing cones/signage/stripping in the parking lot when sufficient;
- Deploying crew members to the parking lot with handheld devices to take orders and direct traffic; or
- Hiring off-duty police officers to direct traffic when needed.

Based on the above, the proposed project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), and would not result in inadequate emergency access. Therefore, ***no impact*** would occur.

XVIII. TRIBAL CULTURAL RESOURCES.

Would the project 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:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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).	☐	☐	☐	✗
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.	☐	☐	☐	✗

Discussion

- a,b. As discussed in Section V, Cultural Resources, of this Initial Study, the site is currently unoccupied, and, thus, does not contain structures that meet the criteria to be eligible for listing in the CRHR, or a local register of historical resources as defined in PRC Section 5020.1(k). In addition, the site does not contain known resources that could be considered historic pursuant to the criteria set forth in subdivision (c) of PRC Section 5024.1. Furthermore, due to the highly disturbed nature of the project site, tribal cultural resources are unlikely to occur on-site. However, compliance with Section 18.60.090 of the City's Municipal Code would ensure that the proper measures are taken should tribal cultural resources be discovered within the project site.

Given compliance with the City's standard conditions of approval related to cultural resource discovery, **no impact** to tribal cultural resources would occur.

XIX. UTILITIES AND SERVICE SYSTEMS.

Would the project:

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a-c. Brief discussions of the water, wastewater, stormwater drainage, electrical, and telecommunications facilities that would serve the proposed project are included below.

Water

The City of Morgan Hill provides potable water service to its residential, commercial, industrial, and institutional customers within the City limits. The City's water system facilities include 17 groundwater wells, 10 reservoir sites, nine pumping stations, and 165 miles of pressured pipes ranging from two to 14 inches in diameter. The City has planned and constructed water projects in conjunction with new street construction in anticipation of future growth and water needs.

According to the City's Urban Water Management Plan (UWMP), the City's projected water supply far exceeds the water demand for normal, single-dry, and multiple-dry years until at least 2045.⁴⁵ For example, Table 7-4 of the UWMP indicates that, under a 2045 multiple-dry year scenario, Morgan Hill would have a 6,957 acre-feet water surplus by the third dry year. According to the City's UWMP, in 2020, domestic water use totaled approximately 7,808 acre-feet (AF), only 730 AF of which was supplied to commercial, institutional, and industrial uses within the City. As such, commercial uses represent a small fraction of the overall water demand. In addition, the proposed project is generally consistent with the project site's General Plan land use and zoning designation; thus, the increase in water demand associated with the proposed project has been anticipated in the City's UWMP projections.

⁴⁵ City of Morgan Hill. 2020 Urban Water Management Plan [pg. 7-4 to 7-7]. October 2021.

The increase in water demand associated with implementation of the proposed project could be accommodated by the City's existing water supplies, even after three consecutive dry years in the year 2045, as identified in the UWMP. Therefore, the proposed project would not require or result in the construction of new water treatment facilities or expansion of existing facilities, and sufficient water supplies would be available to serve the project from existing entitlements and resources.

Wastewater

The City of Morgan Hill sewer collection system consists of approximately 160 miles of gravity sewers, over 3,000 manholes, nearly three miles of force mains, and 14 lift stations. The sewer lines range in size from four inches to 30 inches in diameter and the piping system includes 26 siphons. The City's collection system directs wastewater to the South County Regional Wastewater Authority (SCRWA) Wastewater Treatment Facility (WWTF) located in southern Gilroy. SCRWA is a joint powers authority formed by the cities of Morgan Hill and Gilroy to collectively treat the wastewater of both cities.⁴⁶ The City of Morgan Hill has an allocation of 3.56 million gallons per day (MGD) from the WWTF. The average dry weather flow from the City of Morgan Hill was approximately 2.7 MGD in 2015.⁴⁷

As discussed above, because the proposed project would be generally consistent with the General Plan land use and zoning designations for the project site, the wastewater demands of the project site were anticipated in the General Plan EIR. In addition, the proposed project would connect to the existing wastewater infrastructure in the project vicinity.

In addition, the General Plan EIR determined that the WWTF would be required to be expanded in order to accommodate buildout of the General Plan. Currently, the expansion project is underway at the SCRWA WWTF and is expected to be complete in 2024.⁴⁸ The plant expansion will increase the facility's wastewater treatment capacity from 8.5 to 11 MGD. The General Plan EIR determined that, after expansion of the treatment plant, wastewater generated by General Plan buildout, including the project site, would not exceed the expanded permitted treatment capacity of the SCRWA WWTF facility.

Based on the above, the incremental increase in wastewater generation associated with the development of the proposed project would not require the construction of new or expansion of existing wastewater treatment facilities, as capacity is already sufficient to serve the proposed project.

Stormwater

Issues related to stormwater infrastructure are discussed in Section X, Hydrology and Water Quality, of this Initial Study. As noted therein, the proposed project would not significantly increase stormwater flows into the City's existing system. The final drainage system design for the project will be subject to review and approval by the City Engineer to confirm that the proposed drainage system for the project is consistent with the City's Storm Drainage Master Plan and standard stormwater-related conditions of approval.

⁴⁶ City of Morgan Hill. *City Council Staff Report 2163, Accept Report Regarding Wastewater System Needs and Rate Study Schedule*. February 6, 2019.

⁴⁷ City of Morgan Hill. *2035 Environmental Impact Report*. Certified July 2016.

⁴⁸ See <https://morganhilltimes.com/expansion-to-increase-south-county-recycled-water-capacity/>; accessed July 13, 2023.

Therefore, the proposed project would not require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

Electricity, Natural Gas, and Telecommunications

Electricity service for the proposed project would be Pacific Gas & Electric. The proposed project would not use natural gas, as natural gas is prohibited in all new construction effective March 1, 2020, pursuant to City Ordinance No. 2306. The proposed project would be able to connect to existing electricity infrastructure in the project site vicinity. Therefore, the project would not require major upgrades to, or extension of, existing infrastructure.

Conclusion

Based on the above, the increase in water demand, wastewater generation, and stormwater drainage associated with the proposed project could be adequately accommodated by existing facilities. In addition, the project is located within an urbanized area and would not require major expansion or extension of existing water, wastewater, electrical, or telecommunications facilities in the project area.

Therefore, the proposed project would not require or result in the relocation or construction of new or expanded water, wastewater treatment, stormwater, electric power, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects. Sufficient water supplies would be available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years. Furthermore, adequate wastewater capacity would be available to serve the project's projected demand. Thus, **no impact** would occur.

- d,e. Recology South Valley provides solid waste and recycling services to the businesses and residents of the cities of Morgan Hill and Gilroy. Recology South Valley has contracted with the Monterey Regional Waste Management District to provide solid waste disposal services at the Monterey Peninsula Landfill and Materials Recovery Facility for the waste collected by Recology.⁴⁹ Pursuant to the Landfill's current Solid Waste Facility Permit, the Landfill has a maximum permitted tonnage limit of 3,500 tons per day and a design capacity of 49,700,000 cubic yards.⁵⁰ Considering the relatively small scale of the proposed project, and because the project is consistent with the type of development that has been planned for the project site, the proposed project would not produce enough solid waste for the landfill to exceed capacity. As such, sufficient permitted capacity exists at the Monterey Peninsula Landfill and Materials Recovery Facility to accommodate the proposed project's incremental increase in solid waste disposal needs. Furthermore, the proposed project would comply with applicable federal, State, and local statutes and regulations related to solid waste. For example, during project construction, as required by CBSC Section 4.408, the proposed project would be required to submit a Waste Management Plan to the City detailing on-site sorting of construction debris. Implementation of the Waste Management Plan would ensure that the proposed project meets established diversion requirements for reused or recycled construction waste. Based on the above, the proposed project would have **no impact** related to solid waste.

⁴⁹ Andi Borowski, Environmental Services Assistant, Morgan Hill Environmental Services Department. Personal communication [email] with Jesse Fahrney, Associate, Raney Planning and Management, Inc. July 26, 2022.

⁵⁰ California Department of Resources Recycling and Recovery. *Facility/Site Summary Details: Monterey Peninsula Landfill* (27-AA-0010). Available at: <https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2642?siteID=1976>. Accessed March 2024.

XX. WILDFIRE.

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a-d. The City's Wildland Urban Interface map indicates that the project site is not located in a High or Very High FHSZ.⁵¹ Furthermore, CAL FIRE's Fire and Resource Assessment program indicates that the project site is not located in a High or Very High FHSZ.⁵² The proposed project would be required to comply with all applicable requirements of the California Fire Code (CFC), as adopted by Chapter 15.44 of the City's Municipal Code, including installation of fire sprinkler systems. In addition, the CBSC includes requirements related to fire hazards for new buildings. In compliance with the CBSC (specifically Section 903.2.11.5), an automatic sprinkler system would be installed in commercial kitchen exhaust hood and duct systems. Such features would help to reduce the spread of fire.

As noted in Section IX, Hazards and Hazardous Materials, implementation of the proposed project would not interfere with potential evacuation or response routes used by emergency response teams. The project would not conflict with the City's Emergency Operations Plan.⁵³ In addition, the proposed project would not include any development on, or at the base of, a substantial slope. Thus, implementation of the proposed project would not exacerbate any existing conditions or hazards related to downslope flooding or landslides, slope instability, or drainage changes. Therefore, the project area does not include any existing features that would substantially increase fire risk for future patrons of the proposed project.

Given that the project site is located within a developed urban area and is situated adjacent to existing roads, water lines, and other utilities, the proposed project would not require the development of additional infrastructure, and, thus, would not result in substantial fire risks related to installation or maintenance of such infrastructure. Therefore, the proposed project would not be subject to substantial risks related to wildfires, and **no impact** would occur.

⁵¹ City of Morgan Hill. *City of Morgan Hill Wildland Urban Interface Map*. March 2009.

⁵² California Department of Forestry and Fire Protection. *Morgan Hill, Very High Fire Hazard Severity Zones in LRA*. October 9, 2008.

⁵³ City of Morgan Hill. *Emergency Operations Plan*. January 11, 2018.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE.

	Potentially Significant Impact	Less-Than- Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
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?	☐	☐	☐	✗

Discussion

- a. As discussed in Section IV, Biological Resources, of this Initial Study, the proposed project would not result in any significant impacts to rare, threatened or endangered species. In addition, the site does not contain known historical or cultural resources. Although unlikely, the possibility exists that grading and other construction activities associated with the site could unearth deposits of cultural significance. However, this Initial Study explains how the City's Municipal Code requires standard measures for development projects that would ensure no impacts to such resources would occur. Therefore, the proposed project would result in **no impact** related to degradation of the quality of the environment, substantial reduction of habitat or plant and wildlife species, and elimination of important examples of the major periods of California history or prehistory.
- b. As demonstrated in this Initial Study, the proposed project would not result in any significant environmental impacts, through compliance with applicable General Plan policies and Municipal Code standards, as well as other applicable local and State regulations. For this reason, as well as due to the project's relatively small increase in traffic, noise, air pollutant emissions, and demand for utilities and service systems, the project's incremental contribution towards cumulative impacts in the area would not be cumulatively considerable. Therefore, when viewed in conjunction with other closely related past, present, or reasonably foreseeable future projects, development of the proposed project would not substantially contribute to cumulative impacts in the City of Morgan Hill, and **no impact** would occur.
- c. The project site would be developed in a generally urbanized and built-up area of the City of Morgan Hill. As discussed throughout this Initial Study, development of the proposed project would not result in substantial adverse impacts to human beings, either directly or indirectly. Specifically, as discussed in Section III, Air Quality, Section VIII, GHG Emissions, Section IX, Hazards and Hazardous Materials, Section XIII, Noise, and Section XVII, Transportation, of this Initial Study, the proposed project would not cause substantial adverse effects to human beings, including effects related to exposure to air pollutants, GHG, hazardous materials, noise, and traffic. As such, **no impact** would result.

Appendix A

Trip Generation and Operations Analysis



Memorandum

Date: March 1, 2024
To: Nick Pappani, Raney Planning & Management
From: Robert Del Rio, T.E., Luis Descanzo
Subject: Trip Generation and Operations Analysis for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California

Hexagon Transportation Consultants, Inc. has completed a trip generation and operations analysis for the proposed Raising Cane's restaurant located at 18590 Skipper Lane (APN 726-58-001 and -002) in Morgan Hill, California (see Figure 1). The site consists of an undeveloped parcel and is located within the Evergreen Village commercial development. As proposed, the project would consist of a 2,899 s.f. Raising Cane's restaurant with two drive-through lanes. Vehicular access would be provided via an access point along Checkerspot Lane (a private roadway within Evergreen Village). The project also proposes to extend the private street (Street A) which runs along the east project frontage from its current southerly terminus to connect to create a connection to Checkerspot Lane. Access to the project site from Street A will be provided via an existing right-in/right-out driveway along Cochrane Road.

The methodology, results, and recommendations of the analysis are discussed below.

Scope of Study

The current General Plan, *Morgan Hill 2035 General Plan*, adopted in July 2016 uses Level of Service (LOS) as its primary metric for the evaluation of the projected operation of the City's roadway system. Therefore, this traffic operations analysis which includes a peak hour intersection level of service analysis is included for consistency with the General Plan goals and policies. The traffic operations analysis supplements the California Environmental Quality Act (CEQA) required VMT analysis provided in a separate memorandum. However, the determination of project impacts per CEQA requirements is based solely on the VMT analysis.

The purpose of the trip generation and operations analysis is to evaluate the magnitude of traffic that would be added to the roadway system due to the proposed project. The analysis consists of an estimation of project trip generation and evaluation peak-hour intersection level of service analysis at intersections in the immediate vicinity of the project site. A review of the project's site access per the proposed site plan also is included. Traffic conditions were evaluated for the scenarios listed below.

Existing Conditions. Existing conditions represent the existing peak-hour traffic volumes on the existing roadway network. Existing traffic volumes at the study intersections (except for three intersections) were derived from traffic counts collected in May 2018, to which a 1.5% annual growth factor was applied to represent existing conditions. Additional turning movement counts were conducted at three study intersections (Sutter Boulevard/Cochrane Road, Woodview Avenue/Cochrane Road, Sutter Boulevard/Cochrane Plaza) in March 2023, to account for traffic generated by newly-built commercial uses within the Evergreen Village development. The new counts also account for changes to the roadway network since 2018 as a result of access

Figure 1
Site Location

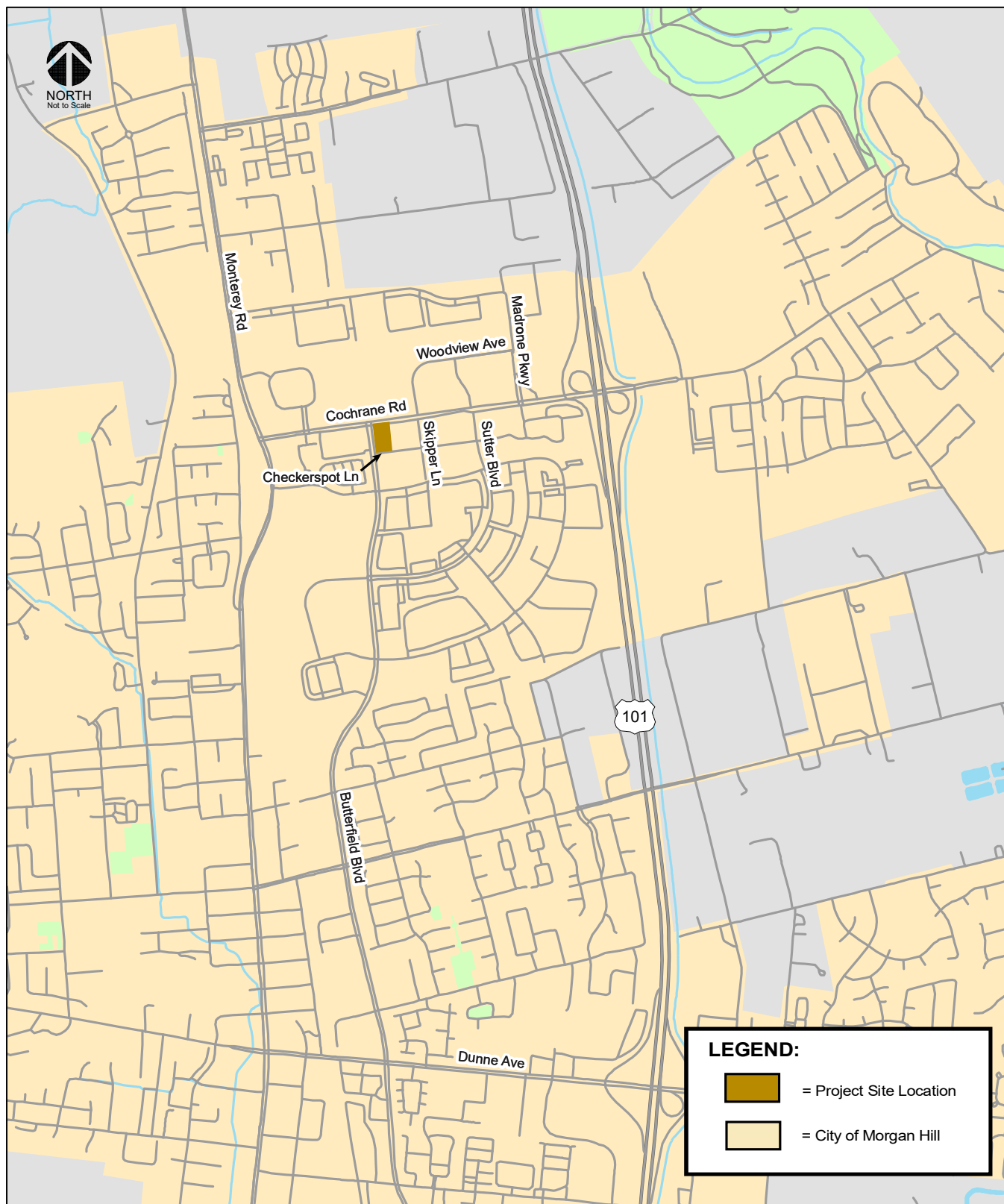
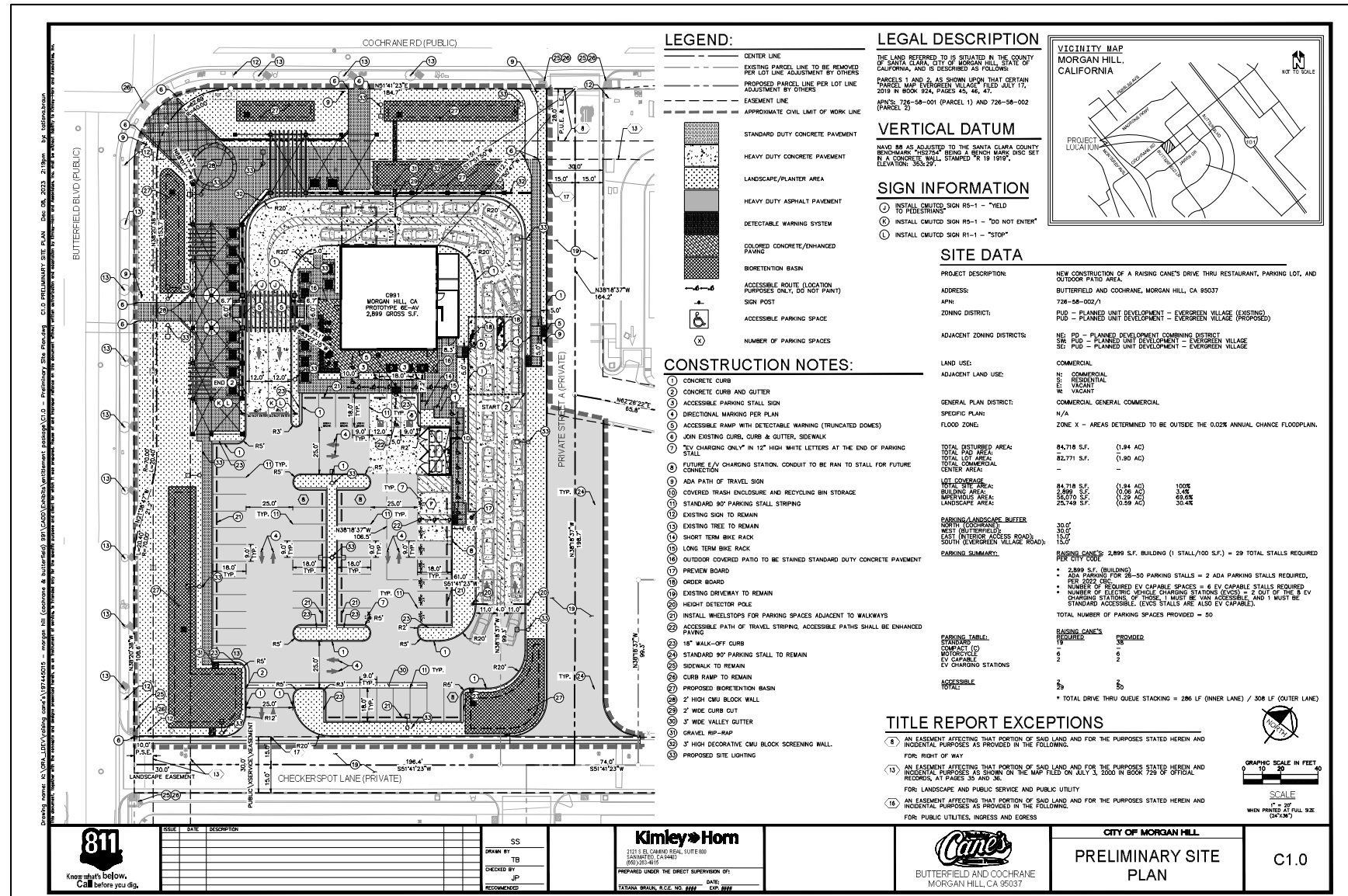


Figure 2
Site Plan

improvements to Evergreen Village, such as signalization of the Woodview Avenue/Cochrane Road intersection, a new internal drive aisle connection to the Sutter Boulevard/Cochrane Plaza intersection, and new driveways along Jarvis Drive and Butterfield Boulevard.

A comparison of factored volumes and new counts showed that factored volumes along eastbound and westbound Cochrane Road were generally higher than the new counts during the AM and PM peak-hours. It can therefore be assumed that factored volumes are a conservative estimate of 2023 traffic volumes. However, factored volumes at the intersection of Madrone Parkway/Cochrane Road showed 150 fewer vehicles in the eastbound direction during the AM peak-hour compared to the new counts collected at the upstream intersection of Sutter Boulevard/Cochrane Road. Therefore, volumes at the intersections of Madrone Parkway/Cochrane Road, US 101 Southbound Ramps/Cochrane Road, and US 101 Northbound Ramps/Cochrane Road were adjusted by adding 150 vehicles in the eastbound direction during the AM peak-hour.

Existing Plus Project Conditions. Existing plus project peak-hour traffic volumes were estimated by adding to the existing traffic volumes the additional traffic that would be generated by the proposed project. Existing plus project conditions were evaluated relative to existing conditions in order to determine the effects of the proposed project on existing traffic conditions.

Year 2030 Cumulative Conditions. Year 2030 Cumulative conditions represent future traffic volumes on the existing transportation network. Year 2030 Cumulative conditions include traffic growth projected to occur in the Year 2030 without the proposed project.

Year 2030 Cumulative with Project Conditions. Year 2030 Cumulative with Project conditions consists of 2030 Cumulative traffic conditions with the addition of project traffic.

Project Trip Generation Estimates and Assignment

The restaurant's standard hours of operation will be 9:00 AM to 3:30 AM daily. The site would generate only a minimal number of trips associated with morning shift employees (at most 12 employees) during the AM peak commute hour (7:00 AM to 9:00AM). Therefore, the operations analysis is based only on the magnitude of traffic entering and existing the site during the PM peak commute hour (4:00 PM to 6:00 PM).

Through empirical research, data have been collected that indicate the amount of traffic that can be expected to be generated by common land uses. Project trip generation was estimated by applying to the size and use of the development the appropriate trip generation rates. The average trip generation rates for Fast-Food Restaurant with Drive-Through Window (Land Use 934) as published in the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition* (2021) were applied to the proposed project size of 2,899 square feet. Based on the trip generation rates and the project size, it is estimated that, prior to any trip reductions, the proposed development would generate 1,355 daily trips and 96 trips (50 inbound and 46 outbound) during the PM peak-hour.

Fast-food restaurants with drive-through windows attract a substantial number of pass-by trips, which are trips made by drivers who already pass by the project site on an adjacent street in route to another destination, such as work to home. In contrast, primary (non-pass-by) trips are new trips made for the sole purpose of visiting the project site. Thus, pass-by trips are not considered new trips that are generated by the project site. However, the attraction of pass-by trips does result in a reassignment of existing through traffic (i.e. along Cochrane Road, Butterfield Boulevard and Sutter Boulevard) at intersections immediately adjacent to the project site. A 50 percent pass-by reduction was assumed for the estimated daily and PM peak-hour trips. After subtracting pass-by trips, the project is expected to generate 677 primary vehicle trips per day, with 48 primary vehicle trips (25 inbound and 23 outbound) in the PM peak hour. Trip generation estimates for the proposed project are shown in Table 1.

Table 1
Trip Generation Summary

Land Use	Size (sf)	Daily		PM Peak-Hour			
		Rate	Trips	Rate	In	Out	Total
Proposed Project							
Fast-Food Restaurant with Drive-Through Window	2,899	467.48	1,355	33.03	50	46	96
Pass-by Reduction (50%) ¹			-678		-25	-23	-48
Net Project Trips			677		25	23	48
Source: ITE Trip Generation Manual, 11 th Edition 2021.							
Notes:							
¹ Pass-by trip reduction percentage is assumed to be 50% of daily and PM peak-hour trips.							

The directional distribution of site-generated traffic to and from the project site was estimated based on the existing travel patterns on the surrounding roadway network that reflect typical weekday PM peak hour commute patterns, the location of the project access point, freeway access points, and the locations of complimentary land uses. The peak-hour project trips associated with the proposed project were added to the transportation network in accordance with the distribution pattern. The project trip distribution pattern and assignment of project trips at the study intersections under existing plus project and cumulative plus project conditions are shown on Figure 3.

Year 2030 Cumulative Conditions Project Trip Generation Estimates

Year 2030 Cumulative traffic volumes were developed based on traffic forecasts produced for the City of Morgan Hill 2035 General Plan using the City's Traffic Demand Forecasting (TDF) model. The Year 2035 General Plan traffic forecasts include land use growth and transportation improvements associated with buildout of the City's General Plan.

The 2035 General Plan forecasts also include trips associated with the adopted General Plan land uses for the project site. Therefore, the trips associated with the adopted General Plan land uses for the project site were removed to develop Year 2030 Cumulative no project traffic volumes. The GP land uses for Evergreen Village (which includes the proposed project site) consists of approximately 86,000 s.f. of retail uses, 8,000 s.f. of service uses, and 63,000 s.f. of office uses. The project would develop 2,899 s.f. of the proposed 8,000 s.f. of service uses within Evergreen Village.

The Year 2030 Cumulative no project traffic volumes were then estimated using a growth method that involved adding a proportion (15 Years or 75%) of the 2035 projected growth, with removal of the trips associated with the adopted General Plan land uses for the project site (i.e. the project trip generation), to existing traffic counts at each of the study intersections.

Intersection Level of Service Analysis

Traffic conditions at the following study intersections were analyzed for the weekday PM peak hour of traffic (4:00 PM to 6:00 PM period):

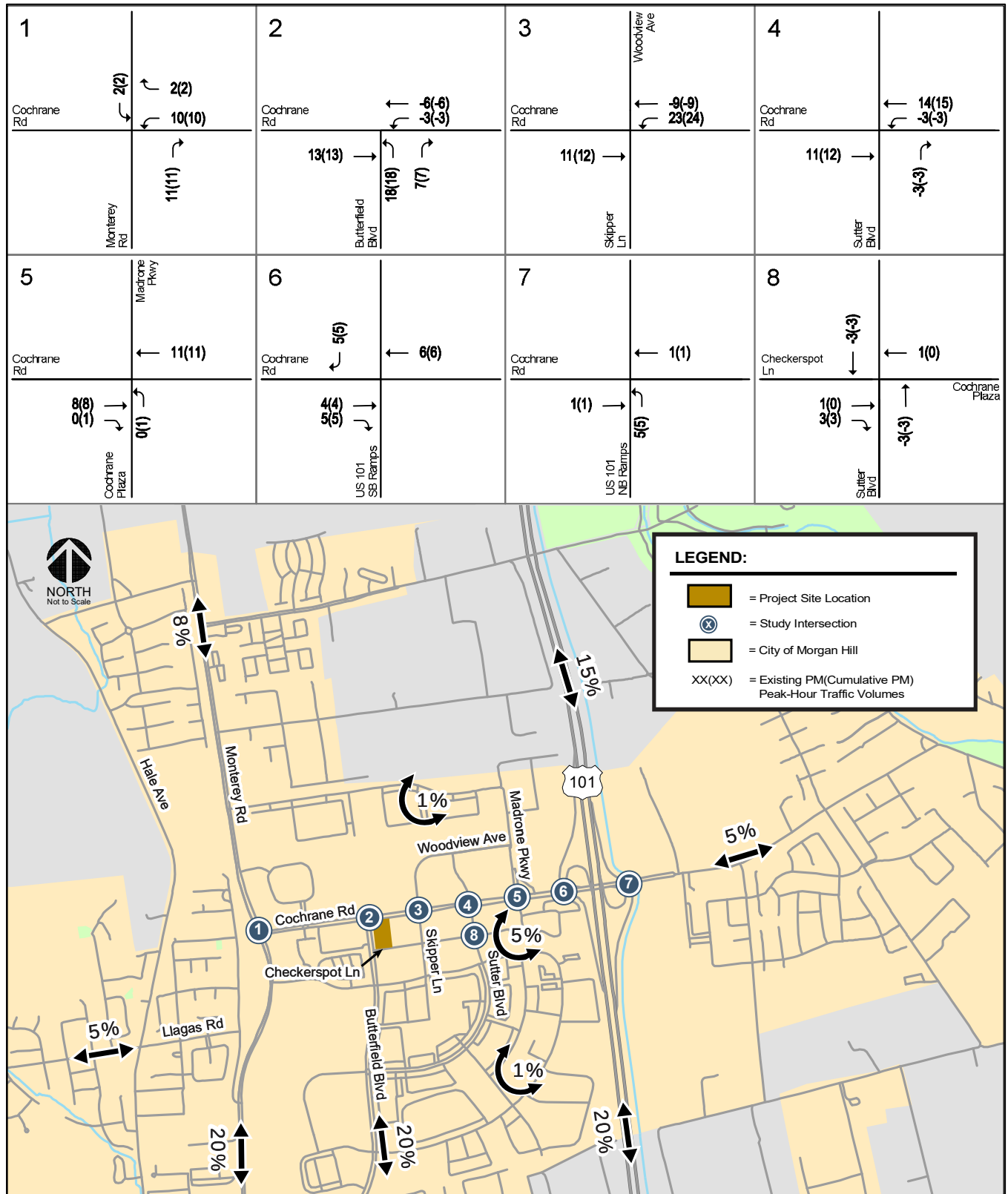
1. Monterey Road and Cochrane Road
2. Butterfield Boulevard and Cochrane Road
3. Woodview Avenue/Skipper Lane and Cochrane Road
4. Sutter Boulevard and Cochrane Road
5. Madrone Parkway/Cochrane Plaza and Cochrane Road
6. US 101 Southbound Ramps and Cochrane Road
7. US 101 Northbound Ramps and Cochrane Road
8. Sutter Boulevard and Cochrane Plaza/Checkerspot Lane

Other intersections in the project area were not studied because the addition of project trips will be minimal, less than 10 peak hour trips per lane.

Signalized Intersection Analysis

Signalized study intersections are subject to the City of Morgan Hill's level of service standards. The City of Morgan Hill's level of service methodology is TRAFFIX, which is based on the 2000 *Highway Capacity Manual* (HCM) method for signalized intersections. TRAFFIX evaluates signalized intersections operations based on average delay time for all vehicles at the intersection. Since TRAFFIX is also the CMP-designated intersection level of service methodology, the City of Morgan Hill methodology employs the CMP defaults values for the analysis parameters, which include adjusted

Figure 3
Project Trip Distribution and Project Trip Assignment



saturation flow rates to reflect conditions in Santa Clara County. All intersections within the City of Morgan Hill are required to meet the City's LOS standard of LOS D, with the exception of the following:

- **LOS F** for Downtown intersections and segments including at Main/Monterey, along Monterey Road between Main and Fifth Street, and along Depot Street at First through Fifth Street;
- **LOS E** for the following intersections and freeway zones:
 - Main Avenue and Del Monte Avenue
 - Main Avenue and Depot Street
 - Dunne Avenue and Del Monte Avenue
 - Dunne Avenue and Monterey Avenue
 - Dunne Avenue and Church Street
 - Dunne Avenue and Depot Street
 - Cochrane Road and Monterey Road
 - Tennant Avenue and Monterey Road
 - Tennant Avenue and Butterfield Boulevard
 - Cochrane Road Freeway Zone: from Madrone Parkway/Cochrane Plaza to Cochrane Road/DePaul Drive
 - Dunne Avenue Freeway Zone: from Walnut Grove Drive/East Dunne Avenue to Condit Road/East Dunne Avenue
 - Tennant Avenue Freeway Zone: from Butterfield Boulevard/Tennant Avenue to Condit Road/Tennant Avenue

According to the City of Morgan Hill level of service guidelines, a development is said to create a significant adverse effect on traffic conditions at a signalized intersection if for either peak hour:

1. The level of service at the intersection degrades from an acceptable level (LOS D or LOS E as identified above) under no project conditions to an unacceptable level (LOS E or F) under project conditions, or
2. The level of service at the intersection is an unacceptable level (LOS E or F as identified above) under no project conditions and the addition of project trips causes the average critical delay to increase by four (4) or more seconds *and* the volume-to-capacity ratio (V/C) to increase by 0.01.

An exception to this rule applies when the addition of project traffic reduces the amount of average delay for critical movements (i.e., the change in average delay for critical movements is negative). In this case, the threshold of significance is an increase in the critical V/C value by 0.01 or more.

Unsignalized Intersection Analysis

Unsignalized intersections within the City of Morgan Hill have a minimum operating level of LOS D. According to the City of Morgan Hill level of service guidelines, a development is said to have a significant adverse impact on traffic conditions at an unsignalized intersection if for either peak hour the addition of project traffic causes the worst approach delay to degrade to LOS E or F *and* the traffic volumes at the intersection are sufficiently high to satisfy the peak hour volume warrant.

It should be noted that the intersection of Sutter Boulevard and Cochrane Plaza/Checkerspot Lane will be improved as part of the approved Chick-Fil-A development located at 18599 Sutter Boulevard. As proposed, the median gap along Sutter Boulevard will be closed, thereby restricting left-turns and through movements from the east and west approaches. A median gap will continue to allow northbound left-turns and southbound left-turns. This improvement is assumed to be completed under Cumulative conditions. As a result, project trips to/from the Cochrane Plaza commercial center will need to utilize Cochrane Road instead of Cochrane Plaza/Checkerspot Lane.

Level of Service Results

The results of the intersection level of service analysis show that all study intersections currently operate at an acceptable LOS D or better conditions under existing conditions, and the addition of project traffic would not result in the degradation of the study intersections' levels of service during the PM peak hour under existing plus project conditions. In addition, the unsignalized study intersection of Sutter Boulevard and Cochrane Plaza is projected to have traffic volumes that fall below the thresholds that warrant signalization under existing plus project conditions.

Under Year 2030 Cumulative conditions, all signalized study intersections would continue to operate at an acceptable level of service, and the addition of project traffic would not result in the degradation of the study intersections' levels of service during the PM peak hour. Based on the results of the intersection level of service analysis, the project would not have an adverse effect on operations at the study intersections. The results of level of service analysis are summarized in Table 2.

Intersection Queueing Analysis

The analysis of intersection level of service was supplemented with an analysis of intersection operations for selected intersections where the project would add a significant number of left-turning vehicles. The operations analysis is based on vehicle queueing for high demand left-turn movements at intersections. Vehicle queues were estimated using a Poisson probability distribution, which estimates the probability of “n” vehicles for a vehicle movement using the following formula:

$$P(x=n) = \frac{\lambda^n e^{-\lambda}}{n!}$$

Where:

$P(x=n)$ = probability of “n” vehicles in queue per lane

n = number of vehicles in the queue per lane

λ = Average number of vehicles in the queue per lane (vehicles per hour per lane/signal cycles per hour)

The basis of the analysis is as follows: (1) the Poisson probability distribution is used to estimate the 95th percentile maximum number of queued vehicles per cycle for a particular movement; (2) the estimated maximum number of vehicles in the queue is translated into a queue length, assuming 25 feet per vehicle; and (3) the estimated maximum queue length is compared to the existing or planned available storage capacity for the movement. This analysis thus provides a basis for estimating future left-turn storage requirements at intersections. The 95th percentile queue length value indicates that during the peak hour, a queue of this length or less would occur on 95 percent of the signal cycles. Likewise, a queue length larger than the 95th percentile queue would only occur on 5 percent of the signal cycles (about 3 cycles during the peak hour for a signal with a 60-second cycle length). Therefore, left-turn storage pocket designs based on the 95th percentile queue length would ensure that storage space would be exceeded only 5 percent of the time. The 95th percentile queue length is also known as the “design queue length”.

The vehicle queue estimates and a tabulated summary of the findings are provided in Table 3. The queueing analysis shows that all high-demand movements would continue to have sufficient queueing storage space with the addition of project traffic.

Table 2
Intersection Level of Service Summary

Int. #	Intersection	Existing				Existing			Existing Plus Project					Year 2030 without Project			Year 2030 with Project				
		Int. Control	LOS Std	Peak Hour	Count Date	Warrant Met?	Delay ¹	LOS	Warrant Met?	Delay ¹	LOS	Incr. In Crit. Delay	Incr. In V/C	Warrant Met?	Delay ¹	LOS	Warrant Met?	Delay ¹	LOS	Incr. In Crit. Delay	Incr. In V/C
1	Monterey Road and Cochrane Road	Signal	E	PM	05/08/18	--	26.5	C	--	26.7	C	1.1	0.037	--	44.8	D	--	45.2	D	0.6	0.002
2	Butterfield Boulevard and Cochrane Road	Signal	D	PM	05/08/18	--	12.1	B	--	12.2	B	0.2	-0.001	--	15.2	B	--	15.4	B	0.2	-0.001
3	Woodview Avenue/Skipper Lane and Cochrane Road	Signal	D	PM	03/07/23	--	17.0	B	--	17.1	B	0.0	-0.003	--	16.8	B	--	16.9	B	0.0	-0.003
4	Sutter Boulevard and Cochrane Road	Signal	D	PM	03/07/23	--	17.7	B	--	17.7	B	-0.1	0.001	--	19.9	B	--	19.9	B	0.0	0.004
5	Madrone Parkway/Cochrane Plaza and Cochrane Road	Signal	E	PM	05/08/18	--	32.1	C	--	32.0	C	0.0	0.002	--	33.5	C	--	33.2	C	-0.6	0.016
6	US 101 Southbound Ramps and Cochrane Road	Signal	E	PM	05/08/18	--	17.2	B	--	17.2	B	0.1	0.003	--	26.4	C	--	26.6	C	0.4	0.003
7	US 101 Northbound Ramps and Cochrane Road	Signal	E	PM	05/08/18	--	11.5	B	--	11.5	B	0.0	0.002	--	12.4	B	--	12.5	B	0.1	0.002
8	Sutter Boulevard and Cochrane Plaza/Checkerspot Lane	TWSC	D	PM	03/07/23	No	22.2	C	No	22.3	C	N/A	N/A	Right-in/Right-out access only ²							
<u>Notes:</u> ¹The reported delay and corresponding level of service for signalized intersections represent the average delay for all approaches at the intersection. The reported delay and corresponding level of service for one- and two-way stop-controlled intersections are based on the stop-controlled approach with the highest delay. ² A planned median closure would limit access to right-in and right-out only along the eastbound and westbound approaches. This improvement would be constructed as part of the approved Chick-Fil-A development at 18599 Sutter Boulevard.																					

Table 3
Intersection Queueing Summary

Measurement	Butterfield Boulevard and Cochrane Road	Woodview Avenue/Skipper Lane and Cochrane Road	Sutter Boulevard and Cochrane Plaza/ Checkerspot Lane
	Northbound Left PM	Westbound Left PM	Eastbound PM
Existing Conditions			
Cycle Length/Control Delay (sec) ¹	70	75	13.4
Lanes	2	1	1
Volume (vph)	148	33	35
Volume (vphpl)	74	33	35
95 th %. Queue (veh/ln.)	4	2	1
95 th %. Queue (ft./ln) ²	100	50	25
Storage (ft./ ln.)	230	150	50
Adequate (Y/N)	YES	YES	YES
Existing Plus Project Conditions			
Cycle Length/Control Delay (sec) ¹	70	75	13.2
Lanes	2	1	1
Volume (vph)	166	56	39
Volume (vphpl)	83	56	39
95 th %. Queue (veh/ln.)	4	3	1
95 th %. Queue (ft./ln) ²	100	75	25
Storage (ft./ ln.)	230	150	50
Adequate (Y/N)	YES	YES	YES
Notes: ¹ Cycle length for signalized intersections and control delay for stop-controlled intersections. ² Assumes 25 feet per vehicle queued			

Site Access

The evaluation of site access is based on the preliminary site plan dated December 8, 2023 and prepared by Kimley-Horn, shown on Figure 2. Site access was evaluated to determine the adequacy of the site's access points with regard to the following: traffic volume, geometric design, and sight distance. Site access was evaluated in accordance with generally accepted traffic engineering standards and transportation planning principles.

Vehicular access to the project site would be provided via an access point along Checkerspot Lane, a private roadway which runs east-west through the Evergreen Village development. Driveways are located at the west end (right-in/right-out at Butterfield Boulevard) and east end (full access at Sutter Boulevard) of Checkerspot Lane.

Additionally, there is an existing right-in/right-out driveway along Cochrane Road that provides access to a private street ("Private Street A") at the northeast corner of the project site. The project proposes to extend the private street from its current terminus south along the eastern project frontage to Checkerspot Lane. The street extension would be used by project trips to and from eastbound Cochrane Road.

Skipper Lane provides access to Cochrane Road at its north end (full access at Cochrane Road) and south end (full access at Jarvis Drive). Skipper Lane will be used primarily by inbound trips from westbound Cochrane Road.

Based on the project trip assignment, it is anticipated that the Cochrane Road/Woodview/Skipper Lane intersection, Street A driveway along Cochrane, and Checkerspot driveway along Butterfield Boulevard would serve the majority of project traffic. Few trips are anticipated to use driveways along Jarvis Drive and Sutter Boulevard. Project trips at the Evergreen Village access points are shown on Figure 4.

Driveway Operations

Cochrane Road and Skipper Lane Driveway

As shown in the level of service analysis and queueing analysis, the Cochrane Road/Skipper Lane intersection is not anticipated to experience operational issues.

Cochrane Road and Private Street A Driveway

The Cochrane Road and Private Street A driveway provides right-in and right-out access only due to an existing median along Cochrane Road. Therefore, the driveway is not anticipated to experience operational issues.

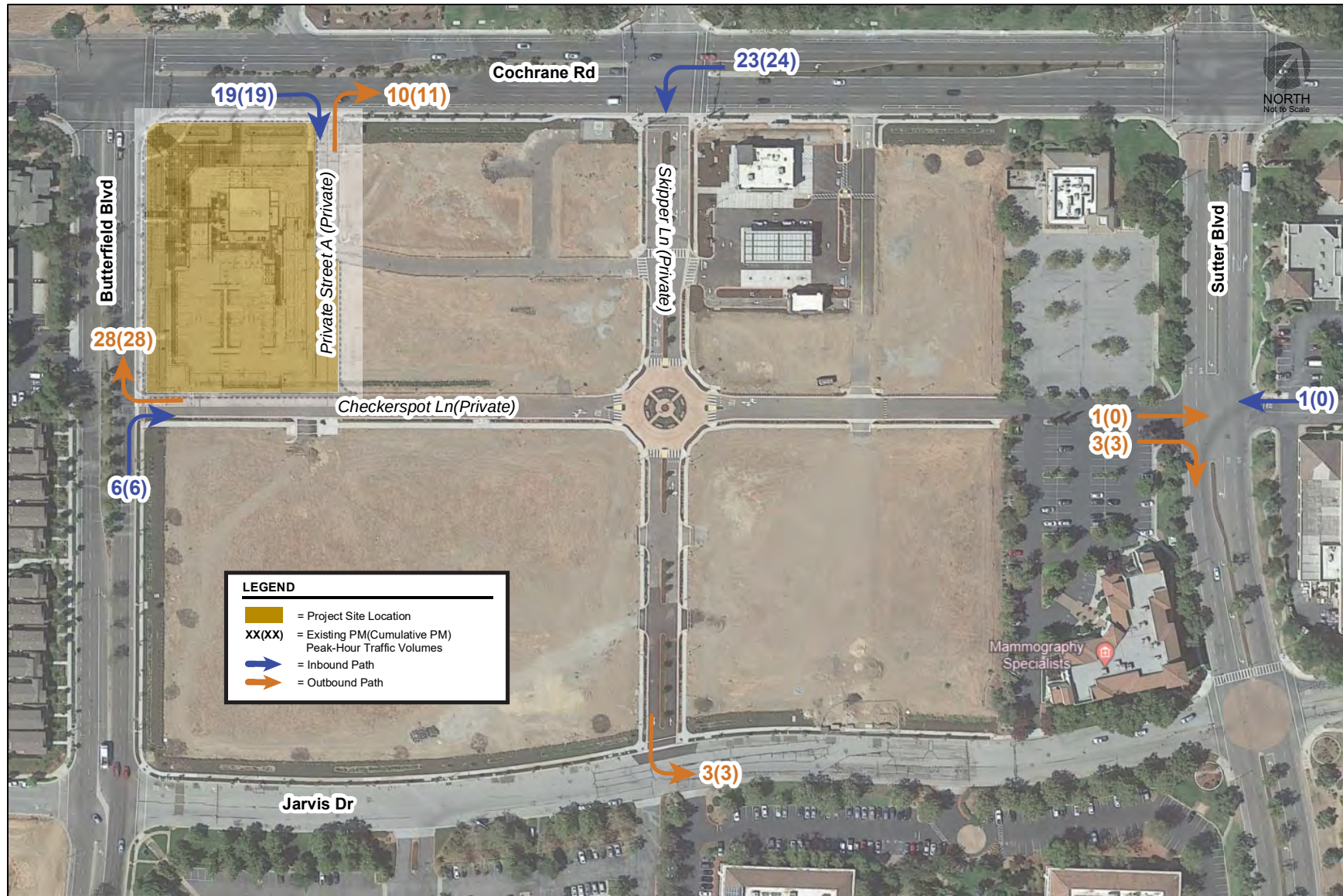
Butterfield Boulevard and Checkerspot Lane Driveway

The Butterfield Boulevard and Checkerspot Lane driveway provides right-in and right-out access only due to an existing median along Butterfield Boulevard. Therefore, the driveway is not anticipated to experience operational issues.

Checkerspot Lane Site Access Point

The site access point along Checkerspot Lane would be located approximately 75 feet east of Butterfield Boulevard. As described in the Drive-Through Operations discussion below, spillover of drive-thru queues is not anticipated during normal operations. Therefore, no inbound queues are anticipated at the site access point during normal operations.

Figure 4
Project Trips at Evergreen Village Driveways



Driveway Design

The City's Design Standards specify a minimum driveway width of 16 feet and a maximum driveway width of 36 feet for commercial uses. The proposed 25-foot wide two-way access point along Checkerspot Lane would fall within the acceptable range of standard driveway widths. However, the access point is along a private roadway and is not subject to the City's standard driveway requirements.

Drive-Through Operations

The proposed drive-through is comprised of two lanes, with each lane having its own ordering board. During non-peak periods, customers will merge into a single lane as they proceed past the ordering boards towards the pay and pick-up window. During peak demand periods, customers will remain in two-lane configuration as staff members are deployed to deliver food to customers in the outside lane. When needed, the outside lane also could be used as a by-pass lane to prioritize customers with smaller orders through the drive-through sequence.

Each lane is shown to be 12 feet wide and will have their own entrance and exit points. The lanes will be separated by pavement markings. The site plan shows a maximum capacity for approximately 14 vehicles per lane, assuming 20 feet per car and full utilization of each lane between the pick-up window and lane entrance.

Conformance with City Requirements for Drive-Through Facilities

As proposed, the drive-through lanes will meet the City's standard requirements for drive-through facilities (Morgan Hill Code of Ordinances, Chapter 18.92.040).

- Drive-through lanes for fast food restaurants shall have a capacity for at least eight vehicles, at 20 feet per vehicle.
The site plan shows storage space for approximately 14 vehicles per lane (28 vehicles total), assuming 20 feet per car. Thus, the proposed capacity would exceed minimum requirements.
- Drive-through lanes shall be separate from the circulation lanes necessary for entering and exiting the property and providing access to parking.
The drive-through lanes are separate from the drive aisles serving the project's surface parking lot. Drive-through operations would not interfere with ingress and egress of vehicles to/from the project site.
- Pedestrian access routes shall not cross a drive-through lane within the minimum stacking space distance (8 vehicles).
As shown on the site plan, a pedestrian walkway would be located just before the order boards across both drive-through lanes, approximately 6 car-lengths (for a total capacity of 12 vehicles) back from the pick-up window. Thus, the location of the proposed pedestrian access route would meet minimum requirements, assuming that both lanes are utilized between the drive-through window and order boards.
- Vehicular entrance or exit to a drive-through establishment shall be setback from the nearest public street intersection.

The existing driveway at Butterfield Boulevard/Checkerspot Lane is located approximately 330 feet south of Cochrane Road and 460 feet north of Jarvis Drive. This meets the required separation of at least 115 feet for roadways with a posted speed limit of 45 mph without a median opening.

Queueing Observations

Vehicle queueing data was sourced from the *Traffic Assessment for the Raising Cane's Restaurant at 1420 Travis Boulevard in Fairfield, CA* (Kimley-Horn, September 21, 2022). The study collected drive-through queueing observations and counts at three Raising Cane's locations in northern California which feature dual order boards and drive-through lanes, in a configuration similar to the proposed project:

- Vacaville: 160 Nut Tree Parkway (August 2022)
- Elk Grove: 9164 E Stockton Boulevard (August/September 2022)
- Manteca: 1311 E Yosemite Avenue (August 2022)

Kimley-Horn collected between 11:00 AM to 10:00 PM on a typical weekday and Saturday. Across all locations surveyed, the maximum queue observed during the weekday was a total of 23 vehicles across two drive-through lanes, while the maximum queue observed during Saturday was 25 vehicles. Thus, the proposed drive-through with a total capacity for up to 28 vehicles is expected to have adequate capacity to accommodate maximum expected queues during peak periods.

Based on the observed drive-through queues, it is unlikely that queues would exceed the planned drive-through capacity and queues are not expected to spill over onto Checkerspot Lane or Butterfield Boulevard. However, the restaurant should develop a drive-through queue management plan that can be implemented during abnormally high demand periods to ensure that circulation within the site parking lot and on adjacent drive aisles would not be negatively affected by drive-through operations.

A preliminary operations plan dated April 21, 2021 indicates the proposed restaurant would utilize the following traffic management solutions as needed:

- Implementing cones/signage/stripping in the parking lot when sufficient.
- Deploying Crew members to the parking lot with handheld devices to take orders and direct traffic.
- Hiring off-duty police officers to direct traffic when needed.

Recommendation: The proposed drive-through is expected to have adequate capacity to accommodate the expected queues during peak periods. Drive-through queues are not expected to spill over onto Checkerspot Lane or Butterfield Boulevard. However, staff members should be trained to monitor drive-through queues and implement traffic control measures during abnormally high demand periods. Traffic control measures should prevent drive-through queues from inhibiting circulation within the project parking lot and access of adjacent properties within Evergreen Village.

Parking

Vehicular Parking

According to the City of Morgan Hill Zoning Regulations (Table 18.72-2), fast-food restaurants are required to provide on-site vehicular parking at a rate of 1 space per 100 s.f. for establishments with more than 12 seats. Therefore, the proposed 2,899 s.f. fast-food restaurant would require a total of 29 vehicular parking spaces. Per the site plan, the project proposes a total of 50 on-site parking spaces. Therefore, vehicle parking as proposed by the project will meet the off-street parking requirement for the site.

Additionally, the California Building Code (Table 11B-208.2) requires 2 accessible parking spaces to be provided within parking facilities containing a total of 26 to 50 parking spaces. The proposed 2 accessible parking spaces would meet this requirement.

Bicycle Parking

According to the City of Morgan Hill Zoning Regulations (Table 18.72-7), non-residential uses are required to provide on-site bicycle parking as specified below:

- Short-term spaces – 10% of required automobile spaces
- Long-term spaces – 1 per 20 required automobile spaces for uses 10,000 s.f. or greater

Based on these requirements, the project will be required to provide a total of 3 short-term bicycle parking spaces. The site plan shows one bike locker and one bike rack (for up to 2 bikes) located between the restaurant building and trash enclosure. One additional bike rack should be provided to meet City bicycle parking requirements for short-term parking spaces.

Transit, Pedestrian, and Bicycle Facility Evaluation

Transit Facilities

The project site is served by VTA bus routes that run along Cochrane Road and Monterey Road.

- Rapid Route 568 (Gilroy Transit Center to San Jose Diridon Transit Center) serves bus stops at the intersection of Monterey Road and Cochrane Road, approximately 1/4-mile walking distance from the project site.
- Express Route 121 (Gilroy/Morgan Hill to Lockheed Martin) serves bus stops at the intersection of Cochrane Road and Sutter Boulevard, approximately 1/4-mile walking distance from the project site.
- Local Route 87 (Morgan Hill Civic Center to Burnett Avenue) serves bus stops at the intersection of Cochrane Road and Butterfield Boulevard, less than 500 feet walking distance from the project site.

The transit ridership demands of the proposed project can be accommodated by the existing transit facilities.

Pedestrian Facilities

In the vicinity of the project site, there are existing sidewalks along most developed parcels. Sidewalks along roadways within Evergreen Village are currently missing along undeveloped parcels but will be constructed with their development. There are existing 5-foot wide sidewalks along the Cochrane Road and Butterfield Boulevard project frontages. The site plan shows multiple pedestrian connections between the frontage sidewalks and on-site walkways. On-site walkways that cross drive-through lanes are shown to have accessible ramps with detectable warning surfaces. No sidewalk is proposed along the Checkerspot Lane project frontage, however, there is an existing sidewalk along the south side of Checkerspot Lane that connects with other parcels within Evergreen Village.

Crosswalks with protected crossing phases are provided along the east and south approaches of the Butterfield Boulevard/Cochrane Road intersection. Curb ramps are provided at the southwest and southeast corners, however only the southeast corner (adjacent to the project) is ADA-compliant. A crosswalk across Checkerspot Lane is provided at its intersection with Butterfield Boulevard and ADA-compliant ramps are provided at both ends of the crosswalk. At the intersection of Butterfield Boulevard/Jarvis Road, only north-south crosswalks are provided along the east and west approaches. The nearest east-west crossing across Butterfield Boulevard south of the project site is located at Butterfield Boulevard/Sutter Boulevard, approximately 1/4-mile to the south of the project site.

Overall, the proposed sidewalks and curb ramps create an accessible network of pedestrian pathways to/from the project site and surrounding uses. Continuous pedestrian routes would be provided

between the project site and bus stops along Cochrane Road. However, pedestrian access to areas west of the project site would not be fully accessible due to a non-ADA compliant curb ramp at the Butterfield Boulevard/Cochrane Road intersection. The curb ramp located at the southwest corner of the intersection cannot serve as part of an accessible route due to the missing facilities which are not the responsibility of the proposed project.

Bicycle Facilities

In the project vicinity, there are bike lanes located along Butterfield Boulevard and Cochrane Road. Pedestrian walkways will provide a continuous route between frontage bike lanes and on-site bicycle parking. The demand generated by the proposed project could be accommodated by the existing bicycle facilities in the vicinity of the project site. Additionally, the project as proposed will not conflict with any existing or planned bicycle facilities.

**18590 Skipper Lane Raising Cane's
Trip Generation and Operations Analysis
Technical Appendices**

March 1, 2024

Appendix A
Turning Movement
Counts



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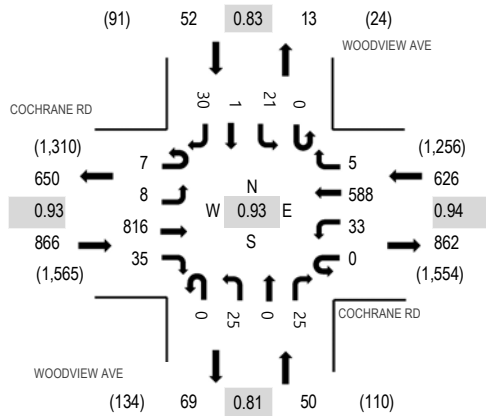
Location: 1 WOODVIEW AVE & COCHRANE RD PM

Date: Tuesday, March 7, 2023

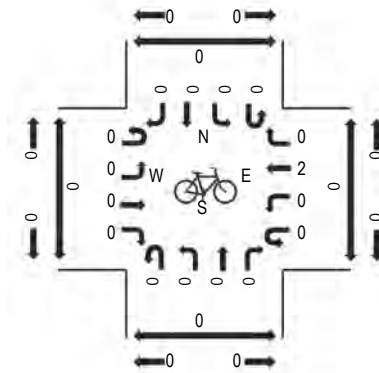
Peak Hour: 04:30 PM - 05:30 PM

Peak 15-Minutes: 05:00 PM - 05:15 PM

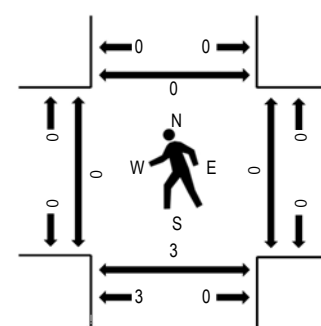
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	COCHRANE RD Eastbound				COCHRANE RD Westbound				WOODVIEW AVE Northbound				WOODVIEW AVE Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	9	1	201	10	0	6	161	2	0	5	1	11	0	1	3	10	421	1,565	0	2	0	1
4:15 PM	2	4	168	5	0	6	129	2	0	9	0	4	0	7	0	7	343	1,573	0	0	0	0
4:30 PM	3	2	220	8	0	9	150	2	0	4	0	11	0	3	0	6	418	1,594	0	0	0	0
4:45 PM	3	4	199	8	0	12	131	0	0	7	0	3	0	7	0	9	383	1,503	0	0	0	0
5:00 PM	0	0	221	9	0	9	161	1	0	7	0	8	0	9	0	4	429	1,457	0	0	1	0
5:15 PM	1	2	176	10	0	3	146	2	0	7	0	3	0	2	1	11	364		0	0	2	0
5:30 PM	1	0	137	7	0	7	155	0	0	7	0	7	0	2	1	3	327		0	0	0	0
5:45 PM	3	0	145	6	0	13	149	0	0	8	1	7	0	2	1	2	337		0	0	0	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lights	6	8	807	35	0	32	581	5	0	24	0	24	0	21	1	30	1,574
Mediums	0	0	6	0	0	1	7	0	0	1	0	1	0	0	0	0	16
Total	7	8	816	35	0	33	588	5	0	25	0	25	0	21	1	30	1,594



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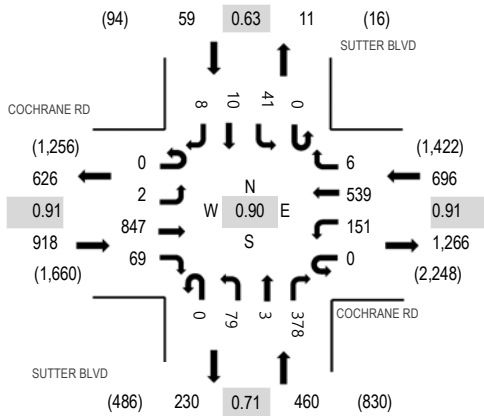
Location: 2 SUTTER BLVD & COCHRANE RD PM

Date: Tuesday, March 7, 2023

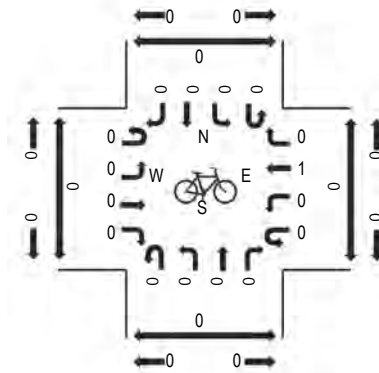
Peak Hour: 04:30 PM - 05:30 PM

Peak 15-Minutes: 04:30 PM - 04:45 PM

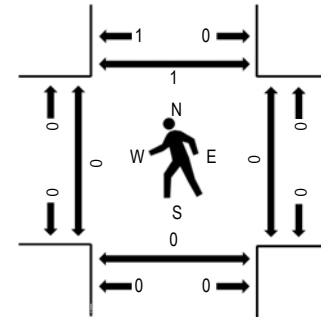
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	COCHRANE RD Eastbound				COCHRANE RD Westbound				SUTTER BLVD Northbound				SUTTER BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	0	206	14	0	43	144	1	0	24	1	99	0	10	3	1	546	2,092	0	0	0	1
4:15 PM	4	0	168	16	1	39	113	2	0	19	1	74	0	4	3	1	445	2,129	0	0	0	0
4:30 PM	0	0	219	13	0	42	133	2	0	23	1	145	0	6	3	5	592	2,133	0	0	0	0
4:45 PM	0	1	212	23	0	43	127	2	0	15	1	71	0	10	3	1	509	1,975	0	0	0	1
5:00 PM	0	1	230	21	0	31	147	1	0	22	1	105	0	20	2	2	583	1,914	0	0	0	0
5:15 PM	0	0	186	12	0	35	132	1	0	19	0	57	0	5	2	0	449		0	0	0	0
5:30 PM	0	0	155	13	0	39	144	0	0	16	0	59	0	5	1	2	434		0	0	0	2
5:45 PM	0	0	143	23	1	61	138	0	0	23	0	54	0	3	1	1	448		0	0	0	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	5
Lights	0	2	838	69	0	151	532	6	0	78	3	373	0	40	9	8	2,109
Mediums	0	0	5	0	0	0	7	0	0	1	0	4	0	1	1	0	19
Total	0	2	847	69	0	151	539	6	0	79	3	378	0	41	10	8	2,133



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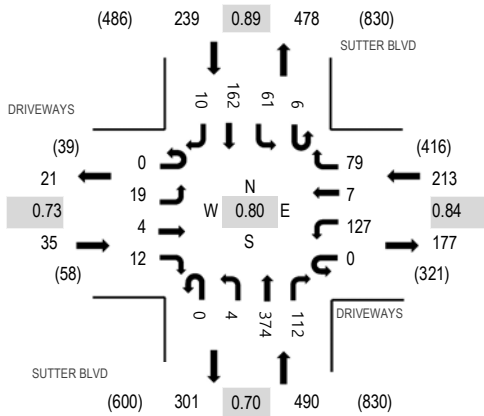
Location: 3 SUTTER BLVD & DRIVEWAYS PM

Date: Tuesday, March 7, 2023

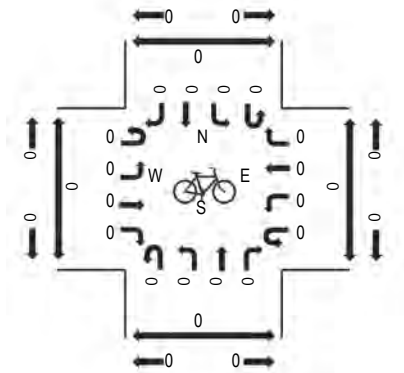
Peak Hour: 04:15 PM - 05:15 PM

Peak 15-Minutes: 04:30 PM - 04:45 PM

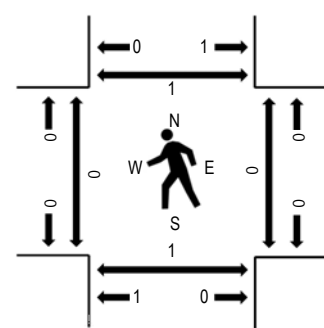
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	DRIVEWAYS Eastbound				DRIVEWAYS Westbound				SUTTER BLVD Northbound				SUTTER BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	3	1	2	0	19	1	26	0	0	95	22	0	11	47	2	229	951	0	1	0	0
4:15 PM	0	8	0	1	0	34	2	17	0	0	69	19	0	14	40	4	208	977	0	0	0	0
4:30 PM	0	5	1	4	0	37	2	26	0	1	136	37	2	9	42	5	307	963	0	0	0	0
4:45 PM	0	1	1	2	0	26	2	17	0	0	66	23	3	18	47	1	207	831	0	0	1	1
5:00 PM	0	5	2	5	0	30	1	19	0	3	103	33	1	20	33	0	255	839	0	0	0	0
5:15 PM	0	1	0	3	0	38	2	18	0	0	56	27	1	13	31	4	194		0	0	0	0
5:30 PM	0	4	1	2	0	28	0	17	0	1	54	15	0	13	37	3	175		0	2	0	0
5:45 PM	0	1	0	5	0	28	4	22	0	0	51	19	3	22	59	1	215		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	4
Lights	0	19	4	12	0	127	7	79	0	4	366	112	6	61	158	10	965
Mediums	0	0	0	0	0	0	0	0	0	0	6	0	0	0	2	0	8
Total	0	19	4	12	0	127	7	79	0	4	374	112	6	61	162	10	977

Appendix B

Volumes Summary

Intersection Number: 1
 Traffic Node Number: 101
 Intersection Name: Monterey Road and Cochrane Road
 Peak Hour: PM
 Count Date: 5/8/18

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	111	783	1074	180	50	243	198	157	36	24	77	26	2,959
Existing Conditions (counts adjusted to 2023 conditions)	120	844	1158	194	54	262	214	170	39	26	83	29	3,193
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	2	2	0	10	11	0	0	0	0	0	25
Existing Plus Project	120	844	1160	196	54	272	225	170	39	26	83	29	3,218
2015 Model	1	629	813	621	2	227	155	130	1	2	3	1	2,585
2030 without Project Model	1	794	1037	917	2	326	185	204	1	2	3	1	3,473
Chick-Fil-A	0	0	4	4	0	12	13	0	0	0	0	0	33
2030 Cumulative without Project	120	1009	1386	494	54	373	257	244	39	26	83	29	4,114
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	2	2	0	10	11	0	0	0	0	0	25
2030 Cumulative with Project	120	1009	1388	496	54	383	268	244	39	26	83	29	4,139

Intersection Number: 2
 Traffic Node Number: 103
 Intersection Name: Butterfield Boulevard and Cochrane Road
 Peak Hour: PM
 Count Date: 5/8/18

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	0	0	0	0	402	347	183	0	137	594	781	0	2,444
Existing Conditions (counts adjusted to 2023 conditions)	0	0	0	0	434	374	198	0	148	640	842	0	2,636
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	0	0	-6	-3	7	0	18	0	13	0	29
Existing Plus Project	0	0	0	0	428	371	205	0	166	640	855	0	2,665
2015 Model	0	0	0	0	488	414	247	0	375	456	521	0	2,501
2030 without Project Model	0	0	0	0	693	564	335	0	566	698	547	0	3,403
Chick-Fil-A	0	0	0	0	16	-6	0	0	0	0	17	0	27
2030 Cumulative without Project	0	0	0	0	655	518	286	0	339	882	885	0	3,565
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	0	0	-6	-3	7	0	18	0	13	0	29
2030 Cumulative with Project	0	0	0	0	649	515	293	0	357	882	898	0	3,594

Intersection Number: 3
 Traffic Node Number: 104
 Intersection Name: Woodview Avenue/Evergreen Village and Cochrane Road
 Peak Hour: PM
 Count Date: 3/7/23

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	30	1	21	5	588	33	25	0	25	35	816	15	1,594
Existing Conditions (counts	30	1	21	5	588	33	25	0	25	35	816	15	1,594
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	0	0	-9	23	0	0	0	0	11	0	25
Existing Plus Project	30	1	21	5	579	56	25	0	25	35	827	15	1,619
2015 Model	0	0	0	0	902	0	0	0	0	813	0	0	1,715
2030 without Project Model	0	0	0	0	1257	0	0	0	0	920	0	0	2,177
Chick-Fil-A	0	0	0	0	-18	0	0	0	28	0	17	0	27
2030 Cumulative without Project	30	1	21	5	925	33	25	0	53	142	833	15	2,083
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	0	0	-9	24	0	0	0	0	12	0	27
2030 Cumulative with Project	30	1	21	5	916	57	25	0	53	142	845	15	2,110

Intersection Number: 4
 Trafix Node Number: 105
 Intersection Name: Sutter Boulevard and Cochrane Road
 Peak Hour: PM
 Count Date: 3/7/23

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	8	10	41	6	539	151	378	3	79	69	847	2	2,133
Existing Conditions (counts adjusted to 2023 conditions)	8	10	41	6	539	151	378	3	79	69	847	2	2,133
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	0	0	14	-3	-3	0	0	0	11	0	19
Existing Plus Project	8	10	41	6	553	148	375	3	79	69	858	2	2,152
2015 Model	26	2	33	10	652	149	273	2	165	104	698	11	2,125
2030 without Project Model	34	3	32	11	926	209	372	3	192	114	799	13	2,708
Chick-Fil-A	0	0	0	0	-18	41	38	0	0	0	-20	0	41
2030 Cumulative without Project	16	11	41	7	795	252	515	4	106	79	928	4	2,758
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	0	0	15	-3	-3	0	0	0	12	0	21
2030 Cumulative with Project	16	11	41	7	810	249	512	4	106	79	940	4	2,779

Intersection Number: 5
 Trafix Node Number: 106
 Intersection Name: Madrone Parkway/Cochrane Plaza and Cochrane Road
 Peak Hour: PM
 Count Date: 5/8/18

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	69	35	428	196	627	237	94	30	36	22	1212	114	3,100
Existing Conditions (counts adjusted to 2023 conditions)	75	38	462	212	676	256	102	33	39	24	1306	123	3,346
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	0	0	11	0	0	0	0	0	8	0	19
Existing Plus Project	75	38	462	212	687	256	102	33	39	24	1314	123	3,365
2015 Model	97	7	270	110	714	117	229	7	0	0	946	59	2,556
2030 without Project Model	125	6	404	142	1022	121	216	6	0	0	1130	74	3,246
Chick-Fil-A	0	0	0	0	23	0	0	0	0	0	18	0	41
2030 Cumulative without Project	103	38	596	244	1007	260	102	33	39	24	1508	138	4,092
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	0	0	11	0	0	0	1	1	8	0	21
2030 Cumulative with Project	103	38	596	244	1018	260	102	33	40	25	1516	138	4,113

Intersection Number: 6
 Trafix Node Number: 107
 Intersection Name: US 101 Southbound Ramps and Cochrane Road
 Peak Hour: PM
 Count Date: 5/8/18

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	510	1	300	157	635	0	0	0	0	741	1046	0	3,390
Existing Conditions (counts	550	2	324	170	685	0	0	0	0	799	1127	0	3,657
Project Trips (Full Access Butterfield/Cochrane Plaza)	5	0	0	0	6	0	0	0	0	5	4	0	20
Existing Plus Project	555	2	324	170	691	0	0	0	0	804	1131	0	3,677
2015 Model	403	0	369	271	537	0	0	0	0	492	953	0	3,025
2030 without Project Model	491	0	563	266	794	0	0	0	0	445	1305	0	3,864
Chick-Fil-A	10	0	0	0	13	0	0	0	0	10	9	0	42
2030 Cumulative without Project	648	2	518	170	955	0	0	0	0	809	1488	0	4,590
Project Trips (Limited Access Butterfield/Cochrane Plaza)	5	0	0	0	6	0	0	0	0	5	4	0	20
2030 Cumulative with Project	653	2	518	170	961	0	0	0	0	814	1492	0	4,610

Intersection Number: 7
 Traffic Node Number: 108
 Intersection Name: US 101 Northbound Ramps and Cochrane Road
 Peak Hour: PM
 Count Date: 5/8/18

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	0	0	0	208	499	0	230	0	315	0	832	0	2,084
Existing Conditions (counts)	0	0	0	225	538	0	248	0	340	0	897	0	2,248
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	0	0	0	1	0	0	0	5	0	1	0	7
Existing Plus Project	0	0	0	225	539	0	248	0	345	0	898	0	2,255
2015 Model	0	0	0	208	563	0	219	0	245	0	877	0	2,112
2030 without Project Model	0	0	0	325	803	0	301	0	257	0	1341	0	3,027
Chick-Fil-A	0	0	0	0	3	0	0	0	10	0	2	0	15
2030 Cumulative without Project	0	0	0	342	781	0	330	0	362	0	1363	0	3,178
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	0	0	0	1	0	0	0	5	0	1	0	7
2030 Cumulative with Project	0	0	0	342	782	0	330	0	367	0	1364	0	3,185

Intersection Number: 8
 Traffic Node Number: 902
 Intersection Name: Sutter Boulevard and Cochrane Plaza/Checkerspot Lane
 Peak Hour: PM
 Count Date: 3/7/23

Scenario:	Movements												Int. Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Counts	10	162	67	79	7	127	112	374	4	12	4	19	977
Existing Conditions (counts adjusted to 2023 conditions)	10	162	67	79	7	127	112	374	4	12	4	19	977
Project Trips (Full Access Butterfield/Cochrane Plaza)	0	-3	0	0	1	0	0	-3	0	3	1	0	-1
Existing Plus Project	10	159	67	79	8	127	112	371	4	15	5	19	976
2015 Model	0	255	0	0	0	0	0	440	0	0	0	0	695
2030 without Project Model	0	326	0	0	0	0	0	567	0	0	0	0	893
Chick-Fil-A	47	-6	0	0	0	0	0	-7	0	22	0	0	56
Adjustment due to Planned Median			-67		-7	-127			-4		-4	-19	-228
2030 Cumulative without Project	57	227	0	79	0	0	112	494	0	34	0	0	1,003
Project Trips (Limited Access Butterfield/Cochrane Plaza)	0	-3	0	0	0	0	0	-3	0	3	0	0	-3
2030 Cumulative with Project	57	224	0	79	0	0	112	491	0	37	0	0	1,000

Appendix C
Intersection Vehicle
Queue Analysis

Sutter/Cochrane

NBL

PM

Existing Conditions

Avg. Queue Per Lane in Veh=

1.4

Percentile = 95%

4

Sutter/Cochrane

NBL

PM

Existing Plus Project Conditions

Avg. Queue Per Lane in Veh=

1.6

Percentile =

95%

4

Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.2466	0.2466	0
0.3452	0.5918	1
0.2417	0.8335	2
0.1128	0.9463	3
0.0395	0.9857	4
0.0111	0.9968	5
0.0026	0.9994	6
0.0005	0.9999	7
0.0001	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
0.0000	1.0000	11
0.0000	1.0000	12
0.0000	1.0000	13
0.0000	1.0000	14
0.0000	1.0000	15
0.0000	1.0000	16
0.0000	1.0000	17
0.0000	1.0000	18
0.0000	1.0000	19
0.0000	1.0000	20
0.0000	1.0000	21
0.0000	1.0000	22
0.0000	1.0000	23
0.0000	1.0000	24
0.0000	1.0000	25
0.0000	1.0000	26
0.0000	1.0000	27
0.0000	1.0000	28
0.0000	1.0000	29
0.0000	1.0000	30
0.0000	1.0000	31
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0.0000	1.0000	35
0.0000	1.0000	36
0.0000	1.0000	37
0.0000	1.0000	38
0.0000	1.0000	39
0.0000	1.0000	40
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0.0000	1.0000	42
0.0000	1.0000	43
0.0000	1.0000	44
0.0000	1.0000	45
0.0000	1.0000	46
0.0000	1.0000	47
0.0000	1.0000	48
0.0000	1.0000	49
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0.0000	1.0000	52
0.0000	1.0000	53
0.0000	1.0000	54
0.0000	1.0000	55
0.0000	1.0000	56
0.0000	1.0000	57
0.0000	1.0000	58
0.0000	1.0000	59
0.0000	1.0000	60
0.0000	1.0000	61
0.0000	1.0000	62
0.0000	1.0000	63
0.0000	1.0000	64
0.0000	1.0000	65

Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.2019	0.2019	0
0.3230	0.5249	1
0.2584	0.7834	2
0.1378	0.9212	3
0.0551	0.9763	4
0.0176	0.9940	5
0.0047	0.9987	6
0.0011	0.9997	7
0.0002	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
0.0000	1.0000	11
0.0000	1.0000	12
0.0000	1.0000	13
0.0000	1.0000	14
0.0000	1.0000	15
0.0000	1.0000	16
0.0000	1.0000	17
0.0000	1.0000	18
0.0000	1.0000	19
0.0000	1.0000	20
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0.0000	1.0000	44
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0.0000	1.0000	61
0.0000	1.0000	62
0.0000	1.0000	63
0.0000	1.0000	64
0.0000	1.0000	65

Sutter/CochranePlaza

EB

PM

Existing Conditions

Avg. Queue Per Lane in Veh=

0.1

Percentile =

95%

1

Sutter/CochranePlaza

EB

PM

Existing Plus Project Conditions

Avg. Queue Per Lane in Veh=

0.1

Percentile =

95%

1

Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.9048	0.9048	0
0.0905	0.9953	1
0.0045	0.9998	2
0.0002	1.0000	3
0.0000	1.0000	4
0.0000	1.0000	5
0.0000	1.0000	6
0.0000	1.0000	7
0.0000	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
0.0000	1.0000	11
0.0000	1.0000	12
0.0000	1.0000	13
0.0000	1.0000	14
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0.0000	1.0000	59
0.0000	1.0000	60
0.0000	1.0000	61
0.0000	1.0000	62
0.0000	1.0000	63
0.0000	1.0000	64
0.0000	1.0000	65

Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.9048	0.9048	0
0.0905	0.9953	1
0.0045	0.9998	2
0.0002	1.0000	3
0.0000	1.0000	4
0.0000	1.0000	5
0.0000	1.0000	6
0.0000	1.0000	7
0.0000	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
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0.0000	1.0000	60
0.0000	1.0000	61
0.0000	1.0000	62
0.0000	1.0000	63
0.0000	1.0000	64
0.0000	1.0000	65

Sutter/Cochrane

WBL

PM

Existing Conditions

Avg. Queue Per Lane in Veh=

Percentile = 95%

0.7

2

Sutter/Cochrane

WBL

PM

Existing Plus Project Conditions

Avg. Queue Per Lane in Veh=

Percentile = 95%

1.2

3

Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.4966	0.4966	0
0.3476	0.8442	1
0.1217	0.9659	2
0.0284	0.9942	3
0.0050	0.9992	4
0.0007	0.9999	5
0.0001	1.0000	6
0.0000	1.0000	7
0.0000	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
0.0000	1.0000	11
0.0000	1.0000	12
0.0000	1.0000	13
0.0000	1.0000	14
0.0000	1.0000	15
0.0000	1.0000	16
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0.0000	1.0000	65

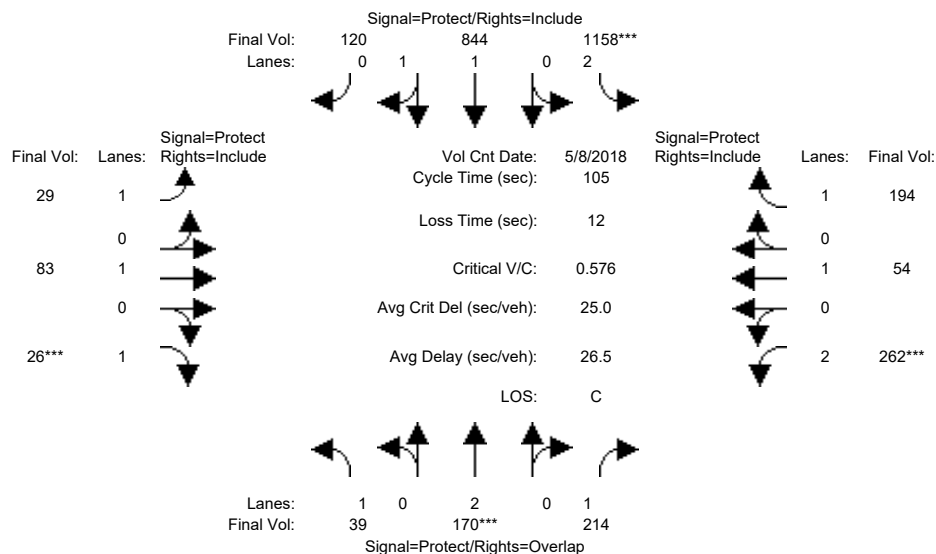
Individual Probability	Cumulative Probability	Number of Queued Vehicles
0.3012	0.3012	0
0.3614	0.6626	1
0.2169	0.8795	2
0.0867	0.9662	3
0.0260	0.9923	4
0.0062	0.9985	5
0.0012	0.9997	6
0.0002	1.0000	7
0.0000	1.0000	8
0.0000	1.0000	9
0.0000	1.0000	10
0.0000	1.0000	11
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0.0000	1.0000	26
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0.0000	1.0000	62
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0.0000	1.0000	65

Appendix D
Level of Service
Analysis

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #101: Monterey Road and Cochrane Road



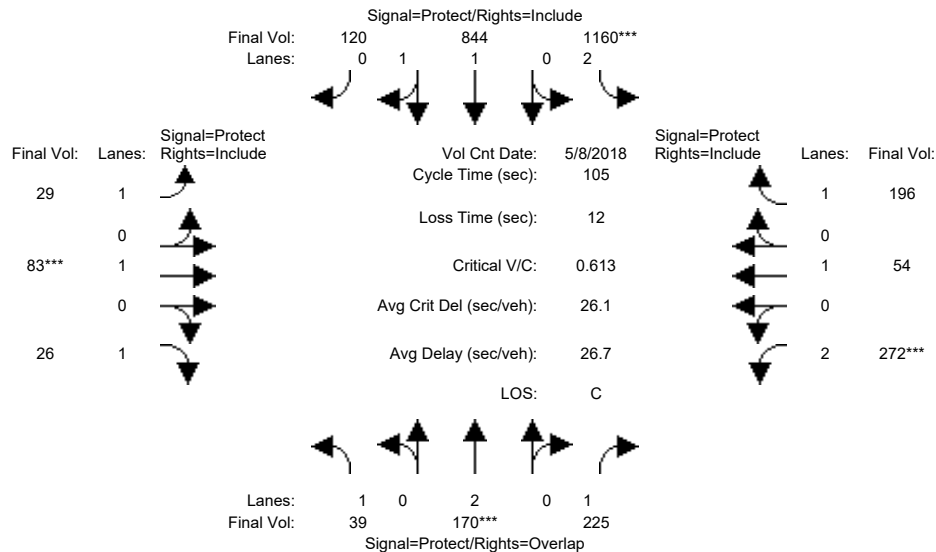
Street Name:	Monterey Road						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	170	214	1158	844	120	29	83	26	262	54	194
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	170	214	1158	844	120	29	83	26	262	54	194
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	170	214	1158	844	120	29	83	26	262	54	194
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	170	214	1158	844	120	29	83	26	262	54	194
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	170	214	1158	844	120	29	83	26	262	54	194
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	170	214	1158	844	120	29	83	26	262	54	194
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.74	0.26	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	3150	3239	461	1750	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.04	0.12	0.37	0.26	0.26	0.02	0.04	0.01	0.08	0.03	0.11
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green Time:	14.2	10.0	23.5	59.5	55.4	55.4	8.8	10.0	10.0	13.5	14.7	14.7
Volume/Cap:	0.17	0.47	0.55	0.65	0.49	0.49	0.20	0.46	0.16	0.65	0.20	0.79
Delay/Veh:	40.5	46.0	37.7	16.4	16.1	16.1	45.5	46.8	44.1	47.2	40.4	60.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.5	46.0	37.7	16.4	16.1	16.1	45.5	46.8	44.1	47.2	40.4	60.0
LOS by Move:	D	D	D	B	B	B	D	D	D	D	D	E
HCM2kAvgQ:	1	3	7	15	10	10	1	3	1	5	1	7

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #101: Monterey Road and Cochrane Road



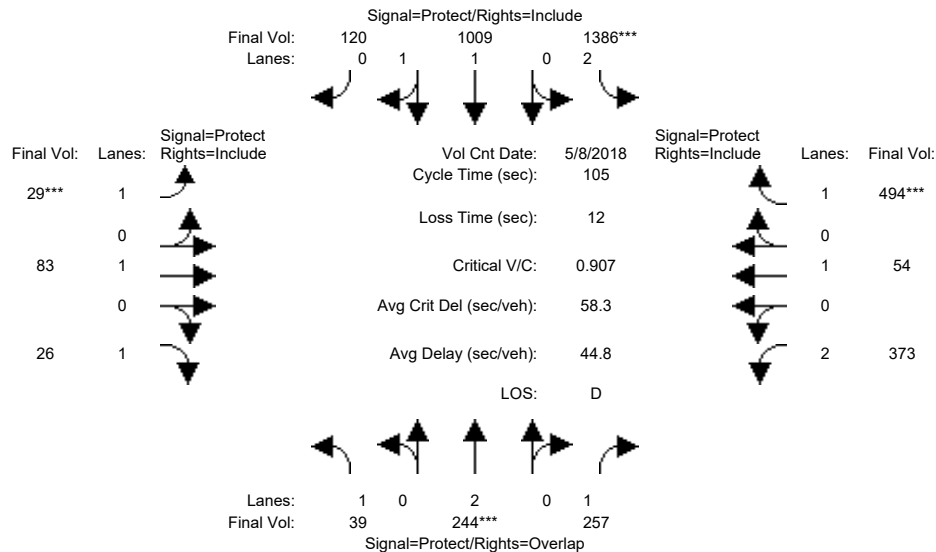
Street Name:	Monterey Road						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	170	214	1158	844	120	29	83	26	262	54	194
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	170	214	1158	844	120	29	83	26	262	54	194
Added Vol:	0	0	11	2	0	0	0	0	0	10	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	170	225	1160	844	120	29	83	26	272	54	196
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	170	225	1160	844	120	29	83	26	272	54	196
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	170	225	1160	844	120	29	83	26	272	54	196
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	170	225	1160	844	120	29	83	26	272	54	196
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.74	0.26	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	3150	3239	461	1750	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.04	0.13	0.37	0.26	0.26	0.02	0.04	0.01	0.09	0.03	0.11
Crit Moves:	****			****			****			****		
Green Time:	14.1	10.0	23.9	59.1	55.0	55.0	8.9	10.0	10.0	13.9	15.0	15.0
Volume/Cap:	0.17	0.47	0.57	0.65	0.50	0.50	0.20	0.46	0.16	0.65	0.20	0.79
Delay/Veh:	40.6	46.0	37.9	16.7	16.3	16.3	45.4	46.8	44.1	47.0	40.1	58.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.6	46.0	37.9	16.7	16.3	16.3	45.4	46.8	44.1	47.0	40.1	58.6
LOS by Move:	D	D	D	B	B	B	D	D	D	D	D	E
HCM2kAvgQ:	1	3	8	15	10	10	1	3	1	5	1	7

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #101: Monterey Road and Cochrane Road



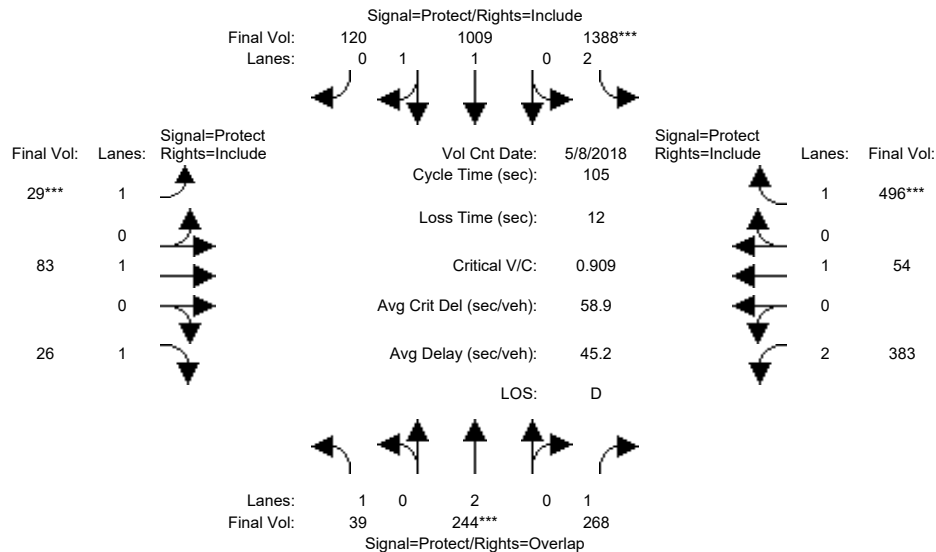
Street Name:	Monterey Road						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	244	257	1386	1009	120	29	83	26	373	54	494
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	244	257	1386	1009	120	29	83	26	373	54	494
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	244	257	1386	1009	120	29	83	26	373	54	494
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	244	257	1386	1009	120	29	83	26	373	54	494
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	244	257	1386	1009	120	29	83	26	373	54	494
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	244	257	1386	1009	120	29	83	26	373	54	494
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.78	0.22	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	3150	3306	393	1750	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.15	0.44	0.31	0.31	0.02	0.04	0.01	0.12	0.03	0.28
Crit Moves:	****			****			****			****		
Green Time:	10.1	10.0	30.3	46.3	46.2	46.2	7.0	16.4	16.4	20.3	29.7	29.7
Volume/Cap:	0.23	0.67	0.51	1.00	0.69	0.69	0.25	0.28	0.10	0.61	0.10	1.00
Delay/Veh:	44.6	50.9	32.0	52.9	25.0	25.0	47.6	39.6	38.1	40.5	27.9	77.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.6	50.9	32.0	52.9	25.0	25.0	47.6	39.6	38.1	40.5	27.9	77.5
LOS by Move:	D	D	C	D	C	C	D	D	D	D	C	E
HCM2kAvgQ:	1	5	8	29	14	14	1	3	1	7	1	21

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #101: Monterey Road and Cochrane Road



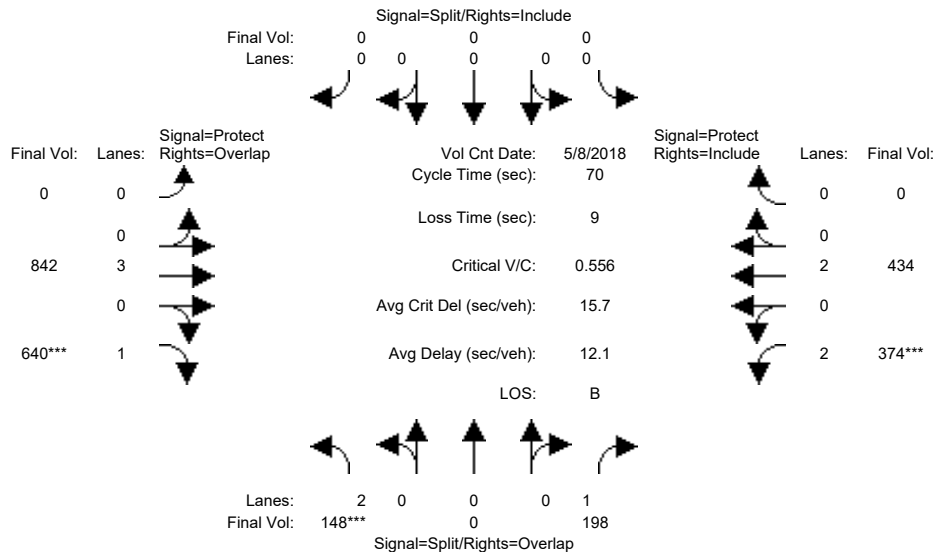
Street Name:	Monterey Road						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	244	257	1386	1009	120	29	83	26	373	54	494
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	244	257	1386	1009	120	29	83	26	373	54	494
Added Vol:	0	0	11	2	0	0	0	0	0	10	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	244	268	1388	1009	120	29	83	26	383	54	496
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	244	268	1388	1009	120	29	83	26	383	54	496
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	244	268	1388	1009	120	29	83	26	383	54	496
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	244	268	1388	1009	120	29	83	26	383	54	496
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.78	0.22	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	3150	3306	393	1750	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.15	0.44	0.31	0.31	0.02	0.04	0.01	0.12	0.03	0.28
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green Time:	10.1	10.0	30.6	46.3	46.2	46.2	7.0	16.1	16.1	20.6	29.7	29.7
Volume/Cap:	0.23	0.67	0.53	1.00	0.69	0.69	0.25	0.28	0.10	0.62	0.10	1.00
Delay/Veh:	44.6	50.9	32.1	53.6	25.0	25.0	47.6	39.9	38.3	40.5	27.8	78.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.6	50.9	32.1	53.6	25.0	25.0	47.6	39.9	38.3	40.5	27.8	78.1
LOS by Move:	D	D	C	D	C	C	D	D	D	D	C	E
HCM2kAvgQ:	1	5	8	29	14	14	1	3	1	7	1	21

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #103: Butterfield Boulevard and Cochrane Road



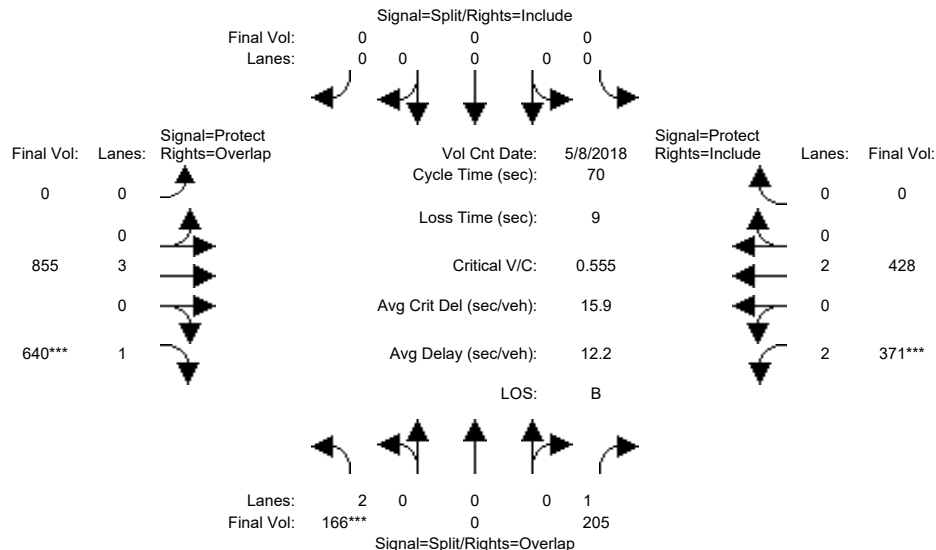
Street Name:	Butterfield Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	148	0	198	0	0	0	0	842	640	374	434	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	148	0	198	0	0	0	0	842	640	374	434	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	148	0	198	0	0	0	0	842	640	374	434	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	148	0	198	0	0	0	0	842	640	374	434	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	0	198	0	0	0	0	842	640	374	434	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	148	0	198	0	0	0	0	842	640	374	434	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	5700	1750	3150	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.11	0.00	0.00	0.00	0.00	0.15	0.37	0.12	0.11	0.00
Crit Moves:	***								***	***		
Green Time:	10.0	0.0	27.7	0.0	0.0	0.0	0.0	33.3	43.3	17.7	51.0	0.0
Volume/Cap:	0.33	0.00	0.29	0.00	0.00	0.00	0.00	0.31	0.59	0.47	0.16	0.00
Delay/Veh:	27.4	0.0	14.6	0.0	0.0	0.0	0.0	11.4	8.9	22.6	2.9	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	27.4	0.0	14.6	0.0	0.0	0.0	0.0	11.4	8.9	22.6	2.9	0.0
LOS by Move:	C	A	B	A	A	A	A	B	A	C	A	A
HCM2kAvgQ:	2	0	3	0	0	0	0	4	9	4	1	0

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #103: Butterfield Boulevard and Cochrane Road



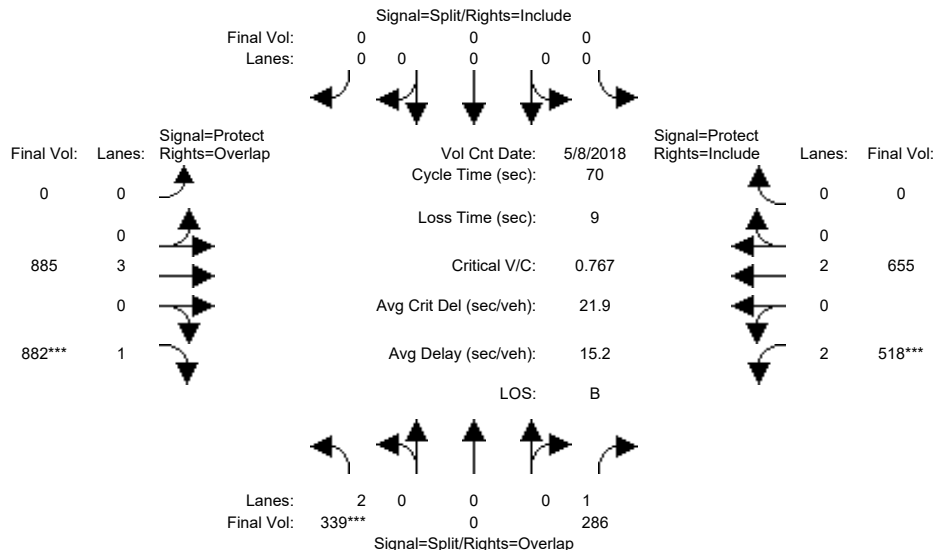
Street Name:	Butterfield Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	148	0	198	0	0	0	0	842	640	374	434	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	148	0	198	0	0	0	0	842	640	374	434	0
Added Vol:	18	0	7	0	0	0	0	13	0	-3	-6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	166	0	205	0	0	0	0	855	640	371	428	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	166	0	205	0	0	0	0	855	640	371	428	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	166	0	205	0	0	0	0	855	640	371	428	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	166	0	205	0	0	0	0	855	640	371	428	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	5700	1750	3150	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.12	0.00	0.00	0.00	0.00	0.15	0.37	0.12	0.11	0.00
Crit Moves:	****								****	****		
Green Time:	10.0	0.0	27.6	0.0	0.0	0.0	0.0	33.4	43.4	17.6	51.0	0.0
Volume/Cap:	0.37	0.00	0.30	0.00	0.00	0.00	0.00	0.31	0.59	0.47	0.15	0.00
Delay/Veh:	27.7	0.0	14.8	0.0	0.0	0.0	0.0	11.3	8.9	22.6	2.9	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	27.7	0.0	14.8	0.0	0.0	0.0	0.0	11.3	8.9	22.6	2.9	0.0
LOS by Move:	C	A	B	A	A	A	A	B	A	C	A	A
HCM2kAvgQ:	2	0	3	0	0	0	0	4	9	4	1	0

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #103: Butterfield Boulevard and Cochrane Road



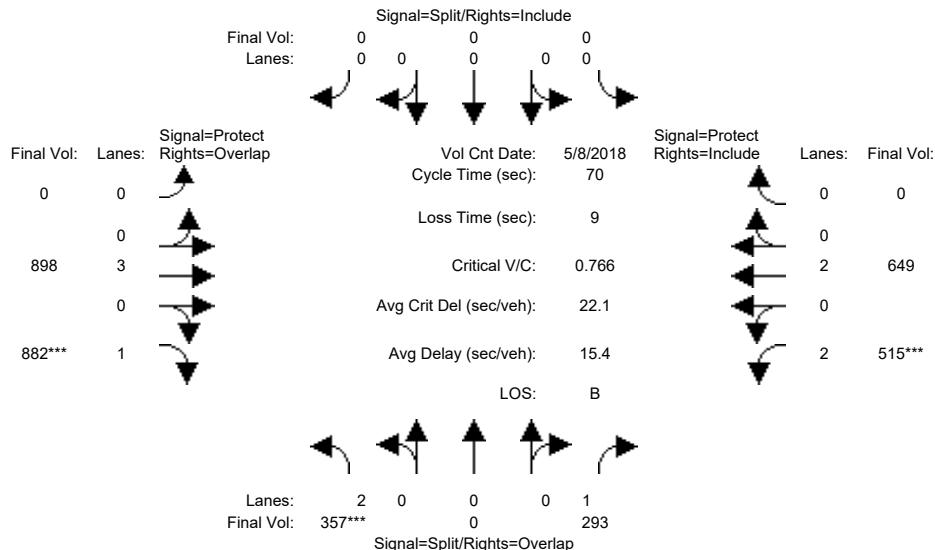
Street Name:	Butterfield Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	339	0	286	0	0	0	0	885	882	518	655	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	339	0	286	0	0	0	0	885	882	518	655	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	339	0	286	0	0	0	0	885	882	518	655	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	339	0	286	0	0	0	0	885	882	518	655	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	339	0	286	0	0	0	0	885	882	518	655	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	339	0	286	0	0	0	0	885	882	518	655	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	5700	1750	3150	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.11	0.00	0.16	0.00	0.00	0.00	0.00	0.16	0.50	0.16	0.17	0.00
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green Time:	10.0	0.0	26.0	0.0	0.0	0.0	0.0	35.0	45.0	16.0	51.0	0.0
Volume/Cap:	0.75	0.00	0.44	0.00	0.00	0.00	0.00	0.31	0.78	0.72	0.24	0.00
Delay/Veh:	35.9	0.0	17.0	0.0	0.0	0.0	0.0	10.4	12.6	28.6	3.2	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.9	0.0	17.0	0.0	0.0	0.0	0.0	10.4	12.6	28.6	3.2	0.0
LOS by Move:	D	A	B	A	A	A	A	B	B	C	A	A
HCM2kAvgQ:	6	0	5	0	0	0	0	4	15	6	2	0

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #103: Butterfield Boulevard and Cochrane Road



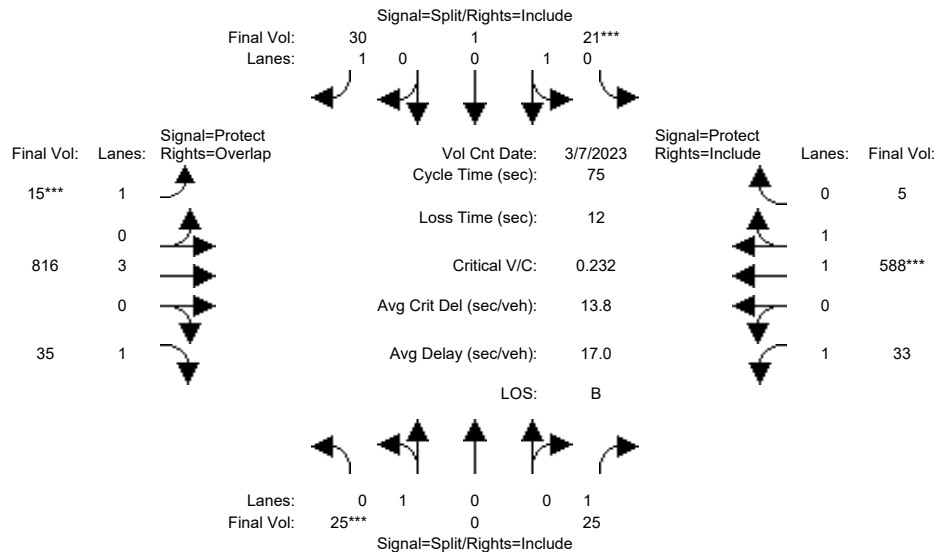
Street Name:	Butterfield Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	339	0	286	0	0	0	0	885	882	518	655	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	339	0	286	0	0	0	0	885	882	518	655	0
Added Vol:	18	0	7	0	0	0	0	13	0	-3	-6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	357	0	293	0	0	0	0	898	882	515	649	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	357	0	293	0	0	0	0	898	882	515	649	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	357	0	293	0	0	0	0	898	882	515	649	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	357	0	293	0	0	0	0	898	882	515	649	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	5700	1750	3150	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.11	0.00	0.17	0.00	0.00	0.00	0.00	0.16	0.50	0.16	0.17	0.00
Crit Moves:	***								***	***		
Green Time:	10.4	0.0	26.1	0.0	0.0	0.0	0.0	34.9	45.2	15.8	50.6	0.0
Volume/Cap:	0.77	0.00	0.45	0.00	0.00	0.00	0.00	0.32	0.78	0.73	0.24	0.00
Delay/Veh:	36.1	0.0	17.0	0.0	0.0	0.0	0.0	10.5	12.4	28.8	3.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.1	0.0	17.0	0.0	0.0	0.0	0.0	10.5	12.4	28.8	3.3	0.0
LOS by Move:	D	A	B	A	A	A	A	B	B	C	A	A
HCM2kAvgQ:	7	0	5	0	0	0	0	4	15	6	2	0

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #104: Woodview Avenue/Evergreen Village and Cochrane Road



Street Name:Woodview Avenue/Evergreen Village								Cochrane Road								
Approach:		North Bound			South Bound			East Bound			West Bound					
Movement:		L	-	T	-	R	L	-	T	-	R	L	-	T	-	R

Min. Green:		10		10		10	10	10	10	7	10	10		7	10	10
Y+R:		4.0		4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0

Volume Module: >> Count Date: 7 Mar 2023 <<																
Base Vol:		25		0		25	21	1	30	15	816	35		33	588	5
Growth Adj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:		25		0		25	21	1	30	15	816	35		33	588	5
Added Vol:		0		0		0	0	0	0	0	0	0		0	0	0
PasserByVol:		0		0		0	0	0	0	0	0	0		0	0	0
Initial Fut:		25		0		25	21	1	30	15	816	35		33	588	5
User Adj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:		25		0		25	21	1	30	15	816	35		33	588	5
Reduct Vol:		0		0		0	0	0	0	0	0	0		0	0	0
Reduced Vol:		25		0		25	21	1	30	15	816	35		33	588	5
PCE Adj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:		25		0		25	21	1	30	15	816	35		33	588	5

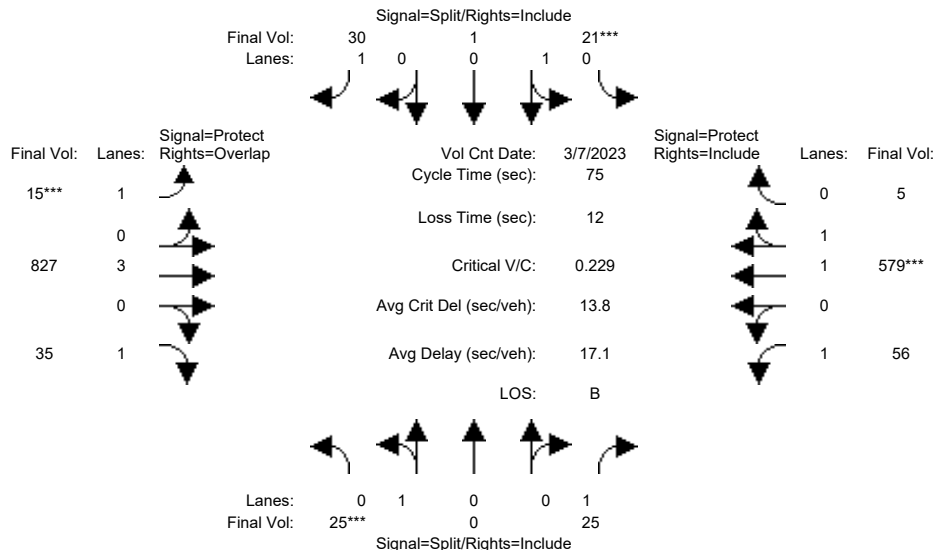
Saturation Flow Module:																
Sat/Lane:		1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:		0.95	0.95	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	0.92	0.97	0.95		
Lanes:		1.00	0.00	1.00	0.95	0.05	1.00	1.00	3.00	1.00	1.00	1.00	1.98	0.02		
Final Sat.:		1800		0	1750	1718	82	1750	1750	5700	1750	1750	3669	31		

Capacity Analysis Module:																
Vol/Sat:		0.01	0.00	0.01	0.01	0.01	0.02	0.01	0.14	0.02	0.02	0.02	0.16	0.16		
Crit Moves:		****			****			****					****			
Green Time:		10.0	0.0	10.0	10.0	10.0	10.0	7.0	26.0	36.0	17.0	36.0	36.0			
Volume/Cap:		0.10	0.00	0.11	0.09	0.09	0.13	0.09	0.41	0.04	0.08	0.33	0.33			
Delay/Veh:		28.8	0.0	28.8	28.7	28.7	28.9	31.3	18.8	10.4	23.0	12.2	12.2			
User DelAdj:		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
AdjDel/Veh:		28.8	0.0	28.8	28.7	28.7	28.9	31.3	18.8	10.4	23.0	12.2	12.2			
LOS by Move:		C	A	C	C	C	C	C	B	B	C	B	B			
HCM2kAvgQ:		1	0	1	1	1	1	0	5	0	1	4	4			
Note: Queue reported is the number of cars per lane.																

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #104: Woodview Avenue/Evergreen Village and Cochrane Road

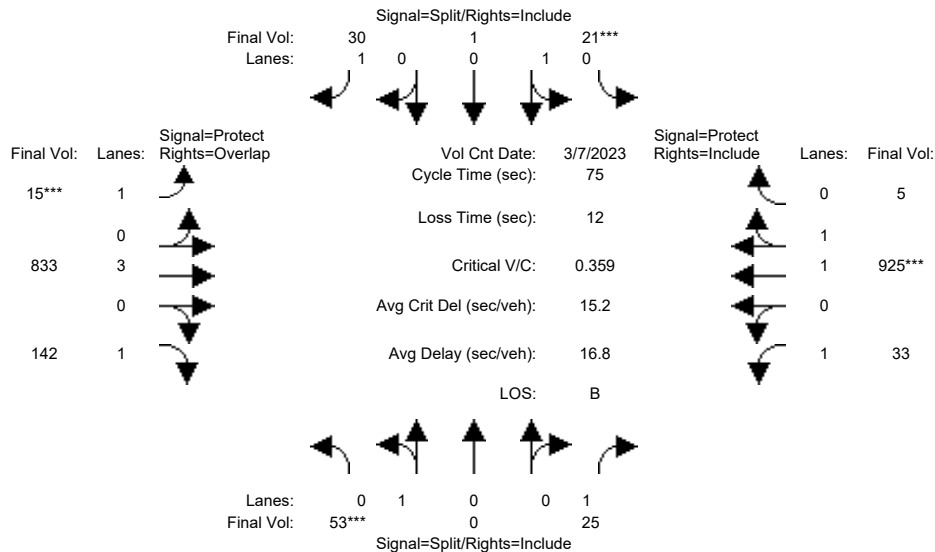


Street Name:Woodview Avenue/Evergreen Village							Cochrane Road								
Approach: North Bound				South Bound			East Bound			West Bound					
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Min. Green:	10		10		10	10		10		10	7		10		10
Y+R:	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Volume Module: >> Count Date: 7 Mar 2023 <<															
Base Vol:	25		0		25	21		1		30	15		816		35
Growth Adj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
Initial Bse:	25		0		25	21		1		30	15		816		35
Added Vol:	0		0		0	0		0		0	0		11		0
PasserByVol:	0		0		0	0		0		0	0		0		0
Initial Fut:	25		0		25	21		1		30	15		827		35
User Adj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
PHF Volume:	25		0		25	21		1		30	15		827		35
Reduct Vol:	0		0		0	0		0		0	0		0		0
Reduced Vol:	25		0		25	21		1		30	15		827		35
PCE Adj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
MLF Adj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
FinalVolume:	25		0		25	21		1		30	15		827		35
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Saturation Flow Module:															
Sat/Lane:	1900		1900		1900	1900		1900		1900	1900		1900		1900
Adjustment:	0.95		0.95		0.92	0.95		0.95		0.92	0.92		1.00		0.92
Lanes:	1.00		0.00		1.00	0.95		0.05		1.00	1.00		3.00		1.00
Final Sat.:	1800		0		1750	1718		82		1750	1750		5700		1750
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Capacity Analysis Module:															
Vol/Sat:	0.01		0.00		0.01	0.01		0.01		0.02	0.01		0.15		0.02
Crit Moves:	****					****					****				
Green Time:	10.0		0.0		10.0	10.0		10.0		10.0	7.0		26.2		36.2
Volume/Cap:	0.10		0.00		0.11	0.09		0.09		0.13	0.09		0.42		0.04
Delay/Veh:	28.8		0.0		28.8	28.7		28.7		28.9	31.3		18.7		10.3
User DelAdj:	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00
AdjDel/Veh:	28.8		0.0		28.8	28.7		28.7		28.9	31.3		18.7		10.3
LOS by Move:	C		A		C	C		C		C	C		B		B
HCM2kAvgQ:	1		0		1	1		1		1	0		5		0
Note: Queue reported is the number of cars per lane.															

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #104: Woodview Avenue/Evergreen Village and Cochrane Road

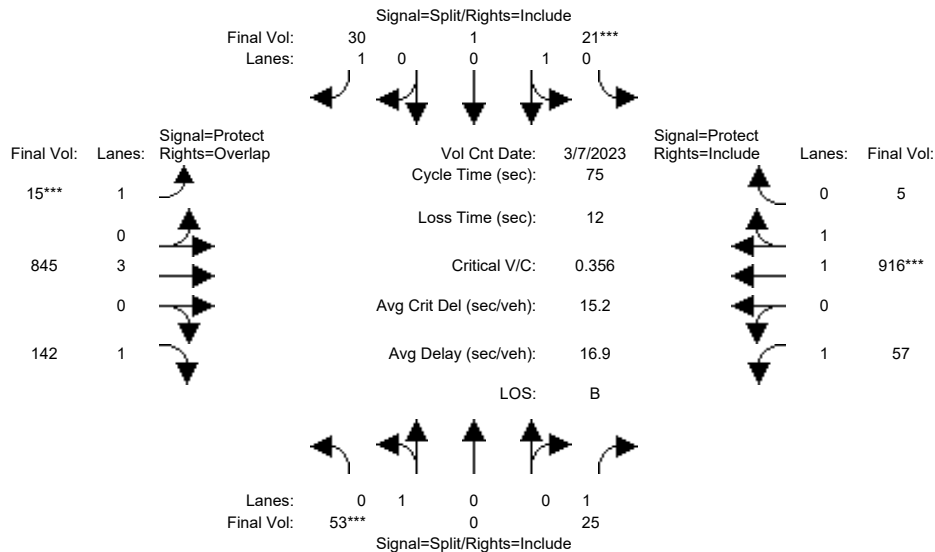


Street Name: Woodview Avenue/Evergreen Village						Cochrane Road					
Approach: North Bound			South Bound			East Bound			West Bound		
Movement: L - T - R			L - T - R			L - T - R			L - T - R		
Min. Green:	10	10	10	10	10	10	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
----- ----- ----- ----- ----- -----											
Volume Module: >> Count Date: 7 Mar 2023 <<											
Base Vol:	53	0	25	21	1	30	15	833	142	33	925
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	53	0	25	21	1	30	15	833	142	33	925
Added Vol:	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	53	0	25	21	1	30	15	833	142	33	925
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	53	0	25	21	1	30	15	833	142	33	925
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	0	25	21	1	30	15	833	142	33	925
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	53	0	25	21	1	30	15	833	142	33	925
----- ----- ----- ----- ----- -----											
Saturation Flow Module:											
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	0.95
Lanes:	1.00	0.00	1.00	0.95	0.05	1.00	1.00	3.00	1.00	1.00	1.99
Final Sat.:	1800	0	1750	1718	82	1750	1750	5700	1750	1750	3680
----- ----- ----- ----- ----- -----											
Capacity Analysis Module:											
Vol/Sat:	0.03	0.00	0.01	0.01	0.01	0.02	0.01	0.15	0.08	0.02	0.25
Crit Moves:	****			****			****			****	
Green Time:	10.0	0.0	10.0	10.0	10.0	10.0	7.0	26.2	36.2	16.8	36.0
Volume/Cap:	0.22	0.00	0.11	0.09	0.09	0.13	0.09	0.42	0.17	0.08	0.52
Delay/Veh:	29.5	0.0	28.8	28.7	28.7	28.9	31.3	18.7	11.0	23.1	13.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	29.5	0.0	28.8	28.7	28.7	28.9	31.3	18.7	11.0	23.1	13.8
LOS by Move:	C	A	C	C	C	C	C	B	B	C	B
HCM2kAvgQ:	1	0	1	1	1	1	0	5	2	1	7
Note: Queue reported is the number of cars per lane.											

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #104: Woodview Avenue/Evergreen Village and Cochrane Road



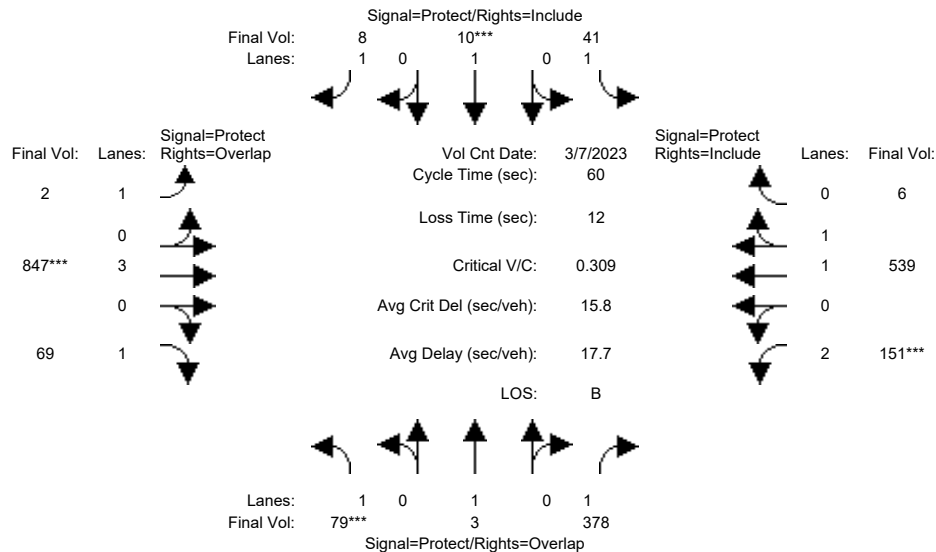
Street Name:Woodview Avenue/Evergreen Village							Cochrane Road								
Approach: North Bound				South Bound			East Bound			West Bound					
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Min. Green:	10		10		10	10	10	10		7	10		10		10
Y+R:	4.0		4.0		4.0	4.0	4.0	4.0		4.0	4.0		4.0		4.0
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Volume Module: >> Count Date: 7 Mar 2023 <<															
Base Vol:	53		0		25	21	1	30		15	833		142		33 925 5
Growth Adj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	1.00
Initial Bse:	53		0		25	21	1	30		15	833		142		33 925 5
Added Vol:	0		0		0	0	0	0		0	12		0		24 -9 0
PasserByVol:	0		0		0	0	0	0		0	0		0		0 0 0
Initial Fut:	53		0		25	21	1	30		15	845		142		57 916 5
User Adj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	1.00
PHF Adj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	1.00
PHF Volume:	53		0		25	21	1	30		15	845		142		57 916 5
Reduct Vol:	0		0		0	0	0	0		0	0		0		0 0 0
Reduced Vol:	53		0		25	21	1	30		15	845		142		57 916 5
PCE Adj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	1.00
MLF Adj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	1.00
FinalVolume:	53		0		25	21	1	30		15	845		142		57 916 5
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Saturation Flow Module:															
Sat/Lane:	1900	1900		1900	1900	1900	1900	1900		1900	1900		1900	1900	1900
Adjustment:	0.95	0.95		0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92		0.97	0.95	0.95
Lanes:	1.00	0.00		1.00	0.95	0.05	1.00	1.00	3.00	1.00	1.00		1.99	0.01	0.01
Final Sat.:	1800	0		1750	1718	82	1750	1750	5700	1750	1750		3680	20	20
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Capacity Analysis Module:															
Vol/Sat:	0.03	0.00		0.01	0.01	0.01	0.02	0.01	0.15	0.08	0.03		0.25	0.25	0.25
Crit Moves:	****				****			****					****		
Green Time:	10.0	0.0		10.0	10.0	10.0	10.0	7.0	26.4	36.4	16.6		36.0	36.0	36.0
Volume/Cap:	0.22	0.00		0.11	0.09	0.09	0.13	0.09	0.42	0.17	0.15		0.52	0.52	0.52
Delay/Veh:	29.5	0.0		28.8	28.7	28.7	28.9	31.3	18.6	10.9	23.7		13.8	13.8	13.8
User DelAdj:	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
AdjDel/Veh:	29.5	0.0		28.8	28.7	28.7	28.9	31.3	18.6	10.9	23.7		13.8	13.8	13.8
LOS by Move:	C	A		C	C	C	C	C	B	B	C		B	B	B
HCM2kAvgQ:	1	0		1	1	1	1	0	5	2	1		7	7	7
Note: Queue reported is the number of cars per lane.															

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #105: Sutter Boulevard and Cochrane Road

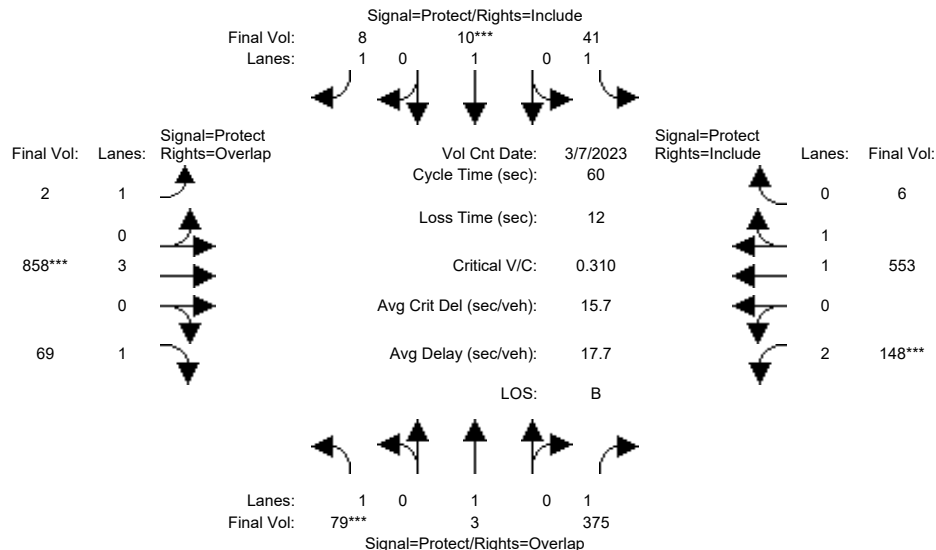


Street Name:	Sutter Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 Mar 2023 <<												
Base Vol:	79	3	378	41	10	8	2	847	69	151	539	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	3	378	41	10	8	2	847	69	151	539	6
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	79	3	378	41	10	8	2	847	69	151	539	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	79	3	378	41	10	8	2	847	69	151	539	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	3	378	41	10	8	2	847	69	151	539	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	79	3	378	41	10	8	2	847	69	151	539	6
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.98	0.02
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5700	1750	3150	3659	41
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.22	0.02	0.01	0.00	0.00	0.15	0.04	0.05	0.15	0.15
Crit Moves:	***				***			***		***		
Green Time:	7.1	10.1	17.6	7.0	10.0	10.0	12.7	23.4	30.5	7.5	18.2	18.2
Volume/Cap:	0.38	0.01	0.74	0.20	0.03	0.03	0.01	0.38	0.08	0.38	0.49	0.49
Delay/Veh:	25.6	20.8	24.6	24.5	21.0	21.0	18.7	13.2	7.6	24.7	17.4	17.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.6	20.8	24.6	24.5	21.0	21.0	18.7	13.2	7.6	24.7	17.4	17.4
LOS by Move:	C	C	C	C	C	C	B	B	A	C	B	B
HCM2kAvgQ:	2	0	9	1	0	0	0	4	1	2	4	4
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #105: Sutter Boulevard and Cochrane Road

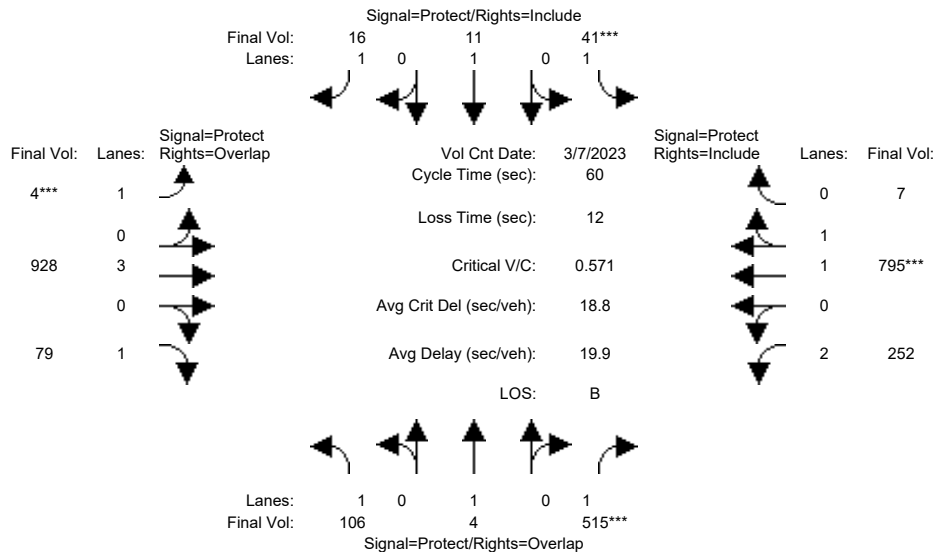


Street Name:	Sutter Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 Mar 2023 <<												
Base Vol:	79	3	378	41	10	8	2	847	69	151	539	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	3	378	41	10	8	2	847	69	151	539	6
Added Vol:	0	0	-3	0	0	0	0	11	0	-3	14	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	79	3	375	41	10	8	2	858	69	148	553	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	79	3	375	41	10	8	2	858	69	148	553	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	3	375	41	10	8	2	858	69	148	553	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	79	3	375	41	10	8	2	858	69	148	553	6
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.98	0.02
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5700	1750	3150	3660	40
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.21	0.02	0.01	0.00	0.00	0.15	0.04	0.05	0.15	0.15
Crit Moves:	****				****			****		****		
Green Time:	7.1	10.1	17.4	7.0	10.0	10.0	12.7	23.6	30.6	7.4	18.2	18.2
Volume/Cap:	0.38	0.01	0.74	0.20	0.03	0.03	0.01	0.38	0.08	0.38	0.50	0.50
Delay/Veh:	25.6	20.8	24.9	24.4	21.0	21.0	18.6	13.1	7.5	24.9	17.5	17.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.6	20.8	24.9	24.4	21.0	21.0	18.6	13.1	7.5	24.9	17.5	17.5
LOS by Move:	C	C	C	C	C	C	B	B	A	C	B	B
HCM2kAvgQ:	2	0	9	1	0	0	0	4	1	1	4	4
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #105: Sutter Boulevard and Cochrane Road

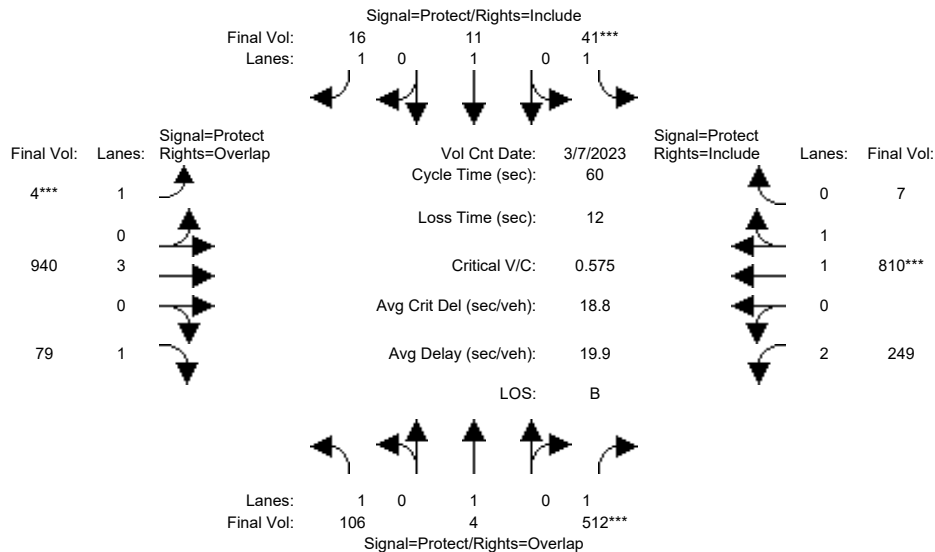


Street Name:	Sutter Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 Mar 2023 <<												
Base Vol:	106	4	515	41	11	16	4	928	79	252	795	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	106	4	515	41	11	16	4	928	79	252	795	7
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	106	4	515	41	11	16	4	928	79	252	795	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	106	4	515	41	11	16	4	928	79	252	795	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	4	515	41	11	16	4	928	79	252	795	7
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	106	4	515	41	11	16	4	928	79	252	795	7
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.98	0.02
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5700	1750	3150	3668	32
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.29	0.02	0.01	0.01	0.00	0.16	0.05	0.08	0.22	0.22
Crit Moves:	*****											
Green Time:	9.2	15.3	25.9	7.0	13.1	13.1	7.0	15.1	24.3	10.6	18.7	18.7
Volume/Cap:	0.40	0.01	0.68	0.20	0.03	0.04	0.02	0.65	0.11	0.45	0.70	0.70
Delay/Veh:	23.9	16.7	16.3	24.5	18.4	18.5	23.5	21.1	11.2	22.7	20.0	20.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	23.9	16.7	16.3	24.5	18.4	18.5	23.5	21.1	11.2	22.7	20.0	20.0
LOS by Move:	C	B	B	C	B	B	C	C	B	C	C	C
HCM2kAvgQ:	2	0	10	1	0	0	0	5	1	2	7	7
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #105: Sutter Boulevard and Cochrane Road



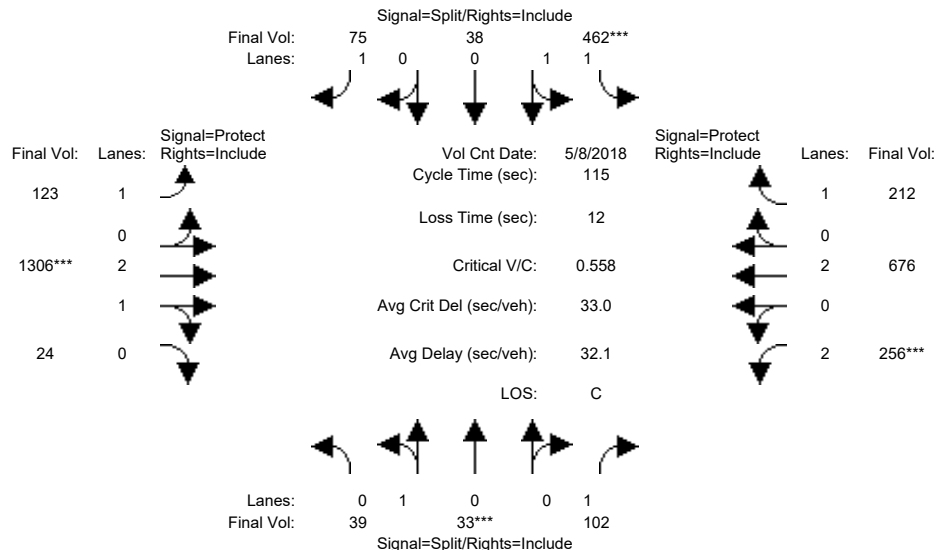
Street Name:	Sutter Boulevard						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 Mar 2023 <<												
Base Vol:	106	4	515	41	11	16	4	928	79	252	795	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	106	4	515	41	11	16	4	928	79	252	795	7
Added Vol:	0	0	-3	0	0	0	0	12	0	-3	15	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	106	4	512	41	11	16	4	940	79	249	810	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	106	4	512	41	11	16	4	940	79	249	810	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	4	512	41	11	16	4	940	79	249	810	7
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	106	4	512	41	11	16	4	940	79	249	810	7
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.98	0.02
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5700	1750	3150	3668	32
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.29	0.02	0.01	0.01	0.00	0.16	0.05	0.08	0.22	0.22
Crit Moves:	*****											
Green Time:	9.1	15.1	25.8	7.0	13.0	13.0	7.0	15.2	24.3	10.7	18.9	18.9
Volume/Cap:	0.40	0.01	0.68	0.20	0.03	0.04	0.02	0.65	0.11	0.44	0.70	0.70
Delay/Veh:	24.0	16.9	16.4	24.5	18.6	18.6	23.5	21.0	11.2	22.6	20.0	20.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.0	16.9	16.4	24.5	18.6	18.6	23.5	21.0	11.2	22.6	20.0	20.0
LOS by Move:	C	B	B	C	B	B	C	C	B	C	B	B
HCM2kAvgQ:	2	0	9	1	0	0	0	5	1	2	7	7

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #106: Madrone Parkway/Cochrane Plaza and Cochrane Road

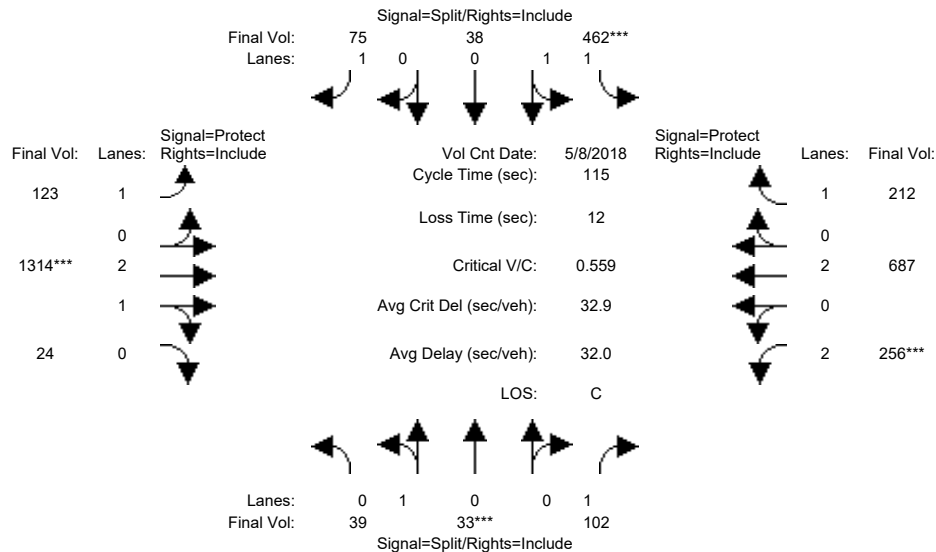


Street Name:	Madrone Parkway/Cochrane Plaza						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	33	102	462	38	75	123	1306	24	256	676	212
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	33	102	462	38	75	123	1306	24	256	676	212
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	33	102	462	38	75	123	1306	24	256	676	212
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	33	102	462	38	75	123	1306	24	256	676	212
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	33	102	462	38	75	123	1306	24	256	676	212
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	33	102	462	38	75	123	1306	24	256	676	212
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.54	0.46	1.00	1.85	0.15	1.00	1.00	2.94	0.06	2.00	2.00	1.00
Final Sat.:	975	825	1750	3280	270	1750	1750	5499	101	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.06	0.14	0.14	0.04	0.07	0.24	0.24	0.08	0.18	0.12
Crit Moves:	****			****			****			****		
Green Time:	12.0	12.0	12.0	27.9	27.9	27.9	17.9	47.0	47.0	16.1	45.2	45.2
Volume/Cap:	0.38	0.38	0.56	0.58	0.58	0.18	0.45	0.58	0.58	0.58	0.45	0.31
Delay/Veh:	49.3	49.3	52.8	39.4	39.4	34.7	45.3	26.7	26.7	48.3	26.0	24.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.3	49.3	52.8	39.4	39.4	34.7	45.3	26.7	26.7	48.3	26.0	24.3
LOS by Move:	D	D	D	D	D	C	D	C	C	D	C	C
HCM2kAvgQ:	3	3	5	9	9	2	4	12	12	5	8	5
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #106: Madrone Parkway/Cochrane Plaza and Cochrane Road



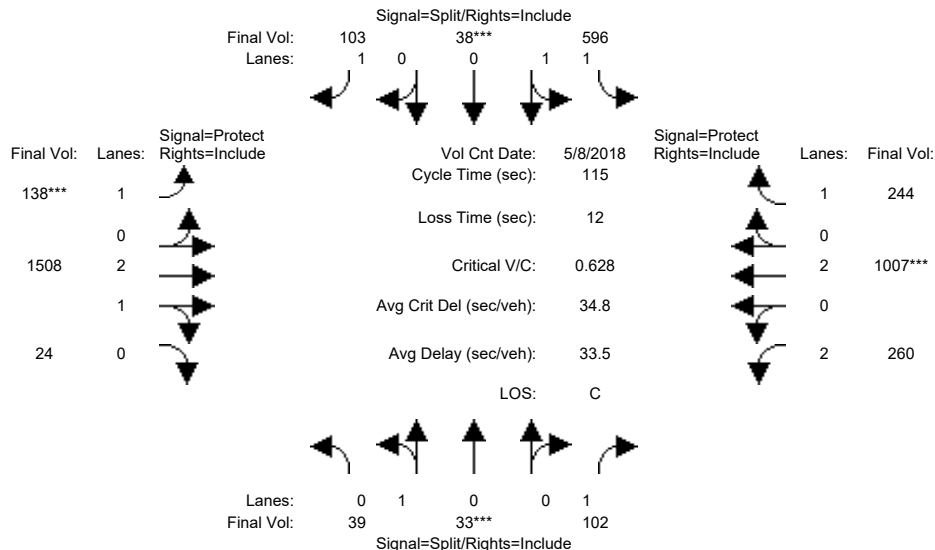
Street Name:	Madrone Parkway/Cochrane Plaza						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	33	102	462	38	75	123	1306	24	256	676	212
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	33	102	462	38	75	123	1306	24	256	676	212
Added Vol:	0	0	0	0	0	0	0	8	0	0	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	33	102	462	38	75	123	1314	24	256	687	212
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	33	102	462	38	75	123	1314	24	256	687	212
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	33	102	462	38	75	123	1314	24	256	687	212
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	33	102	462	38	75	123	1314	24	256	687	212
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.54	0.46	1.00	1.85	0.15	1.00	1.00	2.94	0.06	2.00	2.00	1.00
Final Sat.:	975	825	1750	3280	270	1750	1750	5499	100	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.06	0.14	0.14	0.04	0.07	0.24	0.24	0.08	0.18	0.12
Crit Moves:	****			****			****			****		
Green Time:	12.0	12.0	12.0	27.8	27.8	27.8	17.7	47.2	47.2	16.0	45.5	45.5
Volume/Cap:	0.38	0.38	0.56	0.58	0.58	0.18	0.46	0.58	0.58	0.58	0.46	0.31
Delay/Veh:	49.4	49.4	52.9	39.5	39.5	34.7	45.5	26.7	26.7	48.3	25.8	24.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.4	49.4	52.9	39.5	39.5	34.7	45.5	26.7	26.7	48.3	25.8	24.1
LOS by Move:	D	D	D	D	D	C	D	C	C	D	C	C
HCM2kAvgQ:	3	3	5	9	9	2	4	12	12	5	9	5

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #106: Madrone Parkway/Cochrane Plaza and Cochrane Road



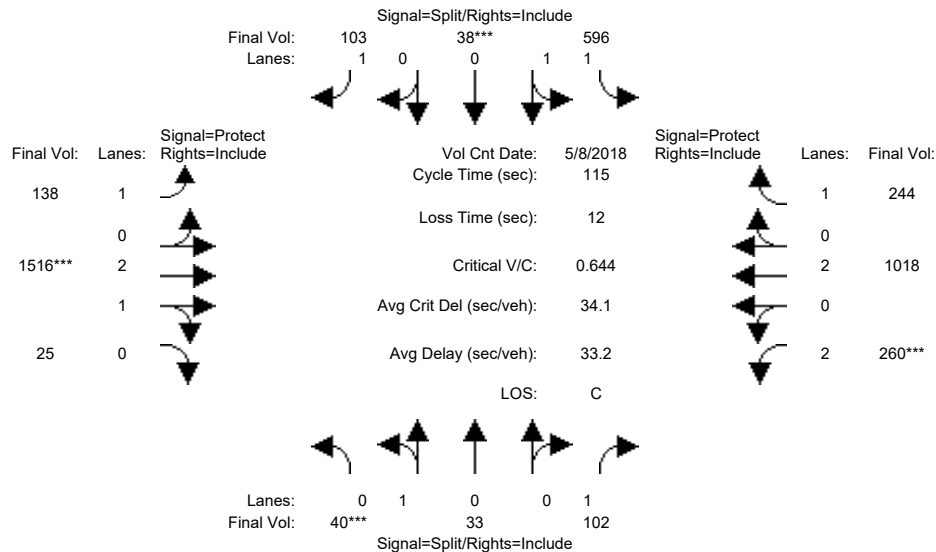
Street Name:	Madrone Parkway/Cochrane Plaza						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	33	102	596	38	103	138	1508	24	260	1007	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	33	102	596	38	103	138	1508	24	260	1007	244
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	33	102	596	38	103	138	1508	24	260	1007	244
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	33	102	596	38	103	138	1508	24	260	1007	244
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	33	102	596	38	103	138	1508	24	260	1007	244
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	39	33	102	596	38	103	138	1508	24	260	1007	244
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.54	0.46	1.00	1.88	0.12	1.00	1.00	2.95	0.05	2.00	2.00	1.00
Final Sat.:	975	825	1750	3337	213	1750	1750	5512	88	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.06	0.18	0.18	0.06	0.08	0.27	0.27	0.08	0.27	0.14
Crit Moves:	****			****			****			****		
Green Time:	10.7	10.7	10.7	31.6	31.6	31.6	13.9	46.7	46.7	14.1	46.8	46.8
Volume/Cap:	0.43	0.43	0.63	0.65	0.65	0.21	0.65	0.67	0.67	0.67	0.65	0.34
Delay/Veh:	51.1	51.1	57.9	38.4	38.4	32.4	55.2	28.7	28.7	52.9	28.5	23.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	51.1	51.1	57.9	38.4	38.4	32.4	55.2	28.7	28.7	52.9	28.5	23.8
LOS by Move:	D	D	E	D	D	C	E	C	C	D	C	C
HCM2kAvgQ:	3	3	5	11	11	3	5	15	15	5	14	6

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #106: Madrone Parkway/Cochrane Plaza and Cochrane Road



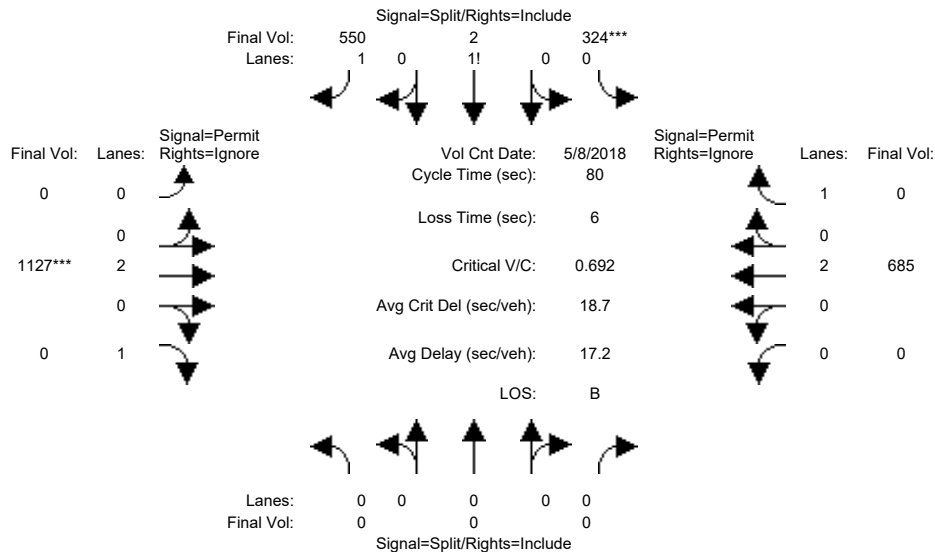
Street Name:	Madrone Parkway/Cochrane Plaza						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	39	33	102	596	38	103	138	1508	24	260	1007	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	33	102	596	38	103	138	1508	24	260	1007	244
Added Vol:	1	0	0	0	0	0	0	8	1	0	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	33	102	596	38	103	138	1516	25	260	1018	244
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	33	102	596	38	103	138	1516	25	260	1018	244
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	33	102	596	38	103	138	1516	25	260	1018	244
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	40	33	102	596	38	103	138	1516	25	260	1018	244
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.55	0.45	1.00	1.88	0.12	1.00	1.00	2.95	0.05	2.00	2.00	1.00
Final Sat.:	986	814	1750	3337	213	1750	1750	5509	91	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.06	0.18	0.18	0.06	0.08	0.28	0.28	0.08	0.27	0.14
Crit Moves:	***			***			***			***		
Green Time:	10.4	10.4	10.4	30.8	30.8	30.8	14.0	47.5	47.5	14.3	47.7	47.7
Volume/Cap:	0.45	0.45	0.64	0.67	0.67	0.22	0.65	0.67	0.67	0.67	0.65	0.34
Delay/Veh:	51.5	51.5	59.3	39.3	39.3	33.0	54.8	28.1	28.1	52.4	27.8	23.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	51.5	51.5	59.3	39.3	39.3	33.0	54.8	28.1	28.1	52.4	27.8	23.1
LOS by Move:	D	D	E	D	D	C	D	C	C	D	C	C
HCM2kAvgQ:	3	3	5	11	11	3	5	14	14	5	14	6

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #107: US 101 Southbound Ramps and Cochrane Road

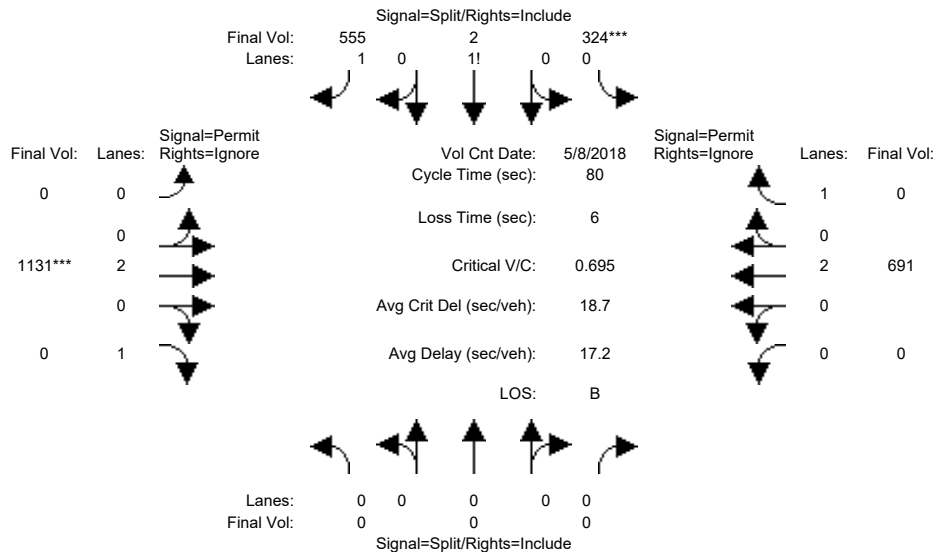


Street Name:	US 101 Southbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	0	0	0	324	2	550	0	1127	799	0	685	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	324	2	550	0	1127	799	0	685	170
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	324	2	550	0	1127	799	0	685	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	324	2	550	0	1127	0	0	685	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	324	2	550	0	1127	0	0	685	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	324	2	550	0	1127	0	0	685	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.54	0.01	1.45	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	943	6	2551	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.34	0.34	0.22	0.00	0.30	0.00	0.00	0.18	0.00
Crit Moves:	****											
Green Time:	0.0	0.0	0.0	39.7	39.7	39.7	0.0	34.3	0.0	0.0	34.3	0.0
Volume/Cap:	0.00	0.00	0.00	0.69	0.69	0.43	0.00	0.69	0.00	0.00	0.42	0.00
Delay/Veh:	0.0	0.0	0.0	17.1	17.1	13.1	0.0	19.9	0.0	0.0	16.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	17.1	17.1	13.1	0.0	19.9	0.0	0.0	16.1	0.0
LOS by Move:	A	A	A	B	B	B	A	B	A	A	B	A
HCM2kAvgQ:	0	0	0	13	13	7	0	11	0	0	6	0
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #107: US 101 Southbound Ramps and Cochrane Road

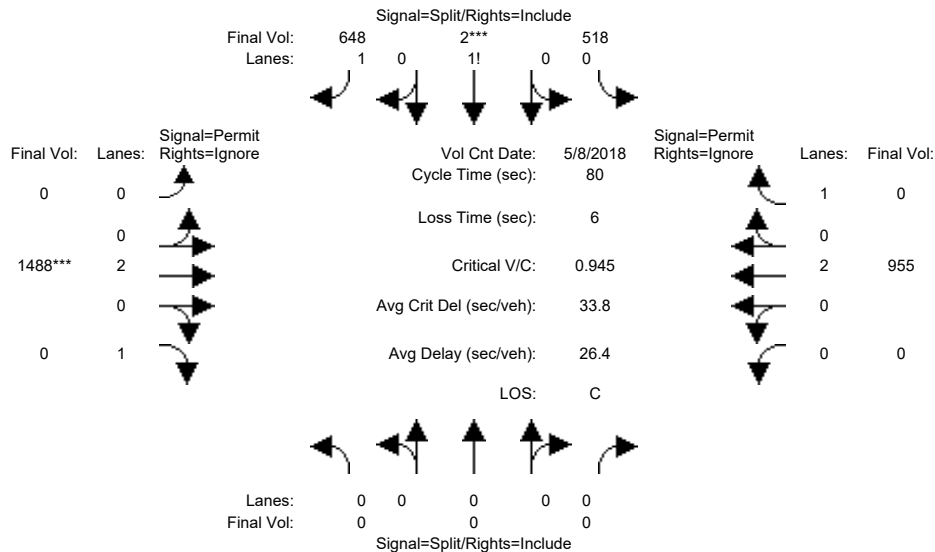


Street Name:	US 101 Southbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	0	0	0	324	2	555	0	1127	799	0	685	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	324	2	555	0	1127	799	0	685	170
Added Vol:	0	0	0	0	0	0	0	4	5	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	324	2	555	0	1131	804	0	691	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	324	2	555	0	1131	0	0	691	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	324	2	555	0	1131	0	0	691	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	324	2	555	0	1131	0	0	691	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.53	0.01	1.46	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	940	6	2555	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.34	0.34	0.22	0.00	0.30	0.00	0.00	0.18	0.00
Crit Moves:	****											
Green Time:	0.0	0.0	0.0	39.7	39.7	39.7	0.0	34.3	0.0	0.0	34.3	0.0
Volume/Cap:	0.00	0.00	0.00	0.69	0.69	0.44	0.00	0.69	0.00	0.00	0.42	0.00
Delay/Veh:	0.0	0.0	0.0	17.2	17.2	13.1	0.0	19.9	0.0	0.0	16.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	17.2	17.2	13.1	0.0	19.9	0.0	0.0	16.1	0.0
LOS by Move:	A	A	A	B	B	B	A	B	A	A	B	A
HCM2kAvgQ:	0	0	0	13	13	7	0	11	0	0	6	0
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #107: US 101 Southbound Ramps and Cochrane Road

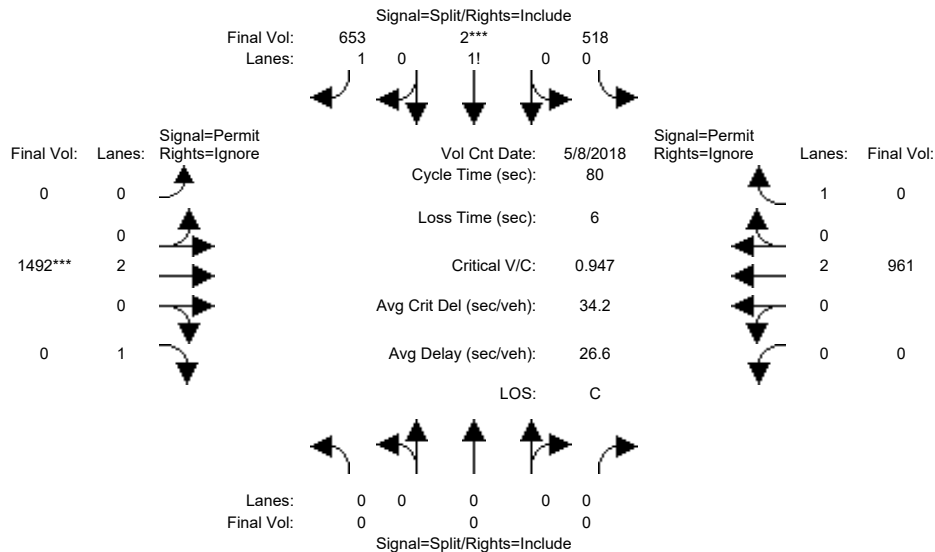


Street Name:	US 101 Southbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	0	0	0	518	2	648	0	1488	809	0	955	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	518	2	648	0	1488	809	0	955	170
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	518	2	648	0	1488	809	0	955	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	518	2	648	0	1488	0	0	955	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	518	2	648	0	1488	0	0	955	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	0	0	0	518	2	648	0	1488	0	0	955	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.61	0.01	1.38	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1074	4	2422	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.48	0.48	0.27	0.00	0.39	0.00	0.00	0.25	0.00
Crit Moves:	*****											
Green Time:	0.0	0.0	0.0	40.8	40.8	40.8	0.0	33.2	0.0	0.0	33.2	0.0
Volume/Cap:	0.00	0.00	0.00	0.94	0.94	0.52	0.00	0.94	0.00	0.00	0.61	0.00
Delay/Veh:	0.0	0.0	0.0	32.9	32.9	13.3	0.0	34.5	0.0	0.0	19.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	32.9	32.9	13.3	0.0	34.5	0.0	0.0	19.0	0.0
LOS by Move:	A	A	A	C	C	B	A	C	A	A	B	A
HCM2kAvgQ:	0	0	0	27	27	9	0	20	0	0	9	0
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #107: US 101 Southbound Ramps and Cochrane Road

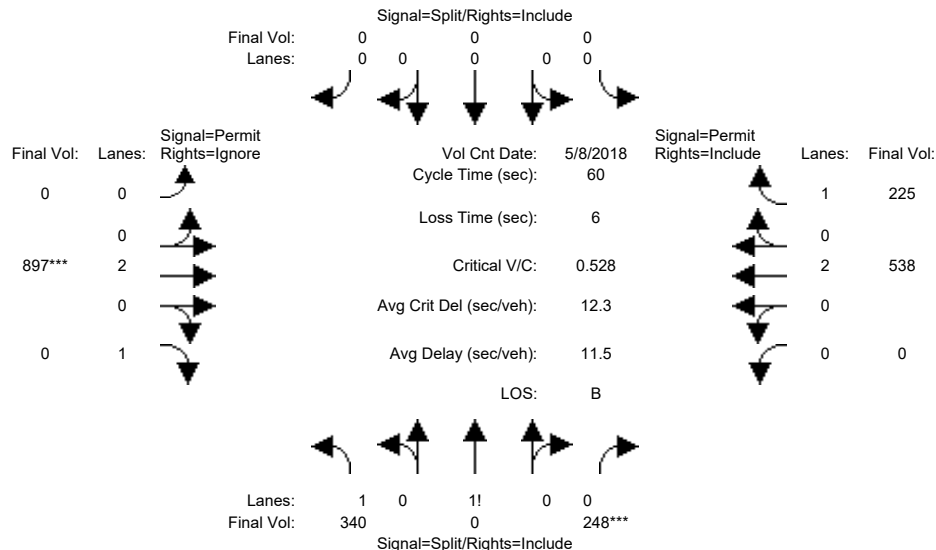


Street Name:	US 101 Southbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	0	0	0	518	2	648	0	1488	809	0	955	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	518	2	648	0	1488	809	0	955	170
Added Vol:	0	0	0	0	0	5	0	4	5	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	518	2	653	0	1492	814	0	961	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	518	2	653	0	1492	0	0	961	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	518	2	653	0	1492	0	0	961	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	518	2	653	0	1492	0	0	961	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.92	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.61	0.01	1.38	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1071	4	2425	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.48	0.48	0.27	0.00	0.39	0.00	0.00	0.25	0.00
Crit Moves:	****											
Green Time:	0.0	0.0	0.0	40.8	40.8	40.8	0.0	33.2	0.0	0.0	33.2	0.0
Volume/Cap:	0.00	0.00	0.00	0.95	0.95	0.53	0.00	0.95	0.00	0.00	0.61	0.00
Delay/Veh:	0.0	0.0	0.0	33.3	33.3	13.4	0.0	35.0	0.0	0.0	19.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	33.3	33.3	13.4	0.0	35.0	0.0	0.0	19.1	0.0
LOS by Move:	A	A	A	C	C	B	A	C	A	A	B	A
HCM2kAvgQ:	0	0	0	27	27	9	0	20	0	0	9	0
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #108: US 101 Northbound Ramps and Cochrane Road

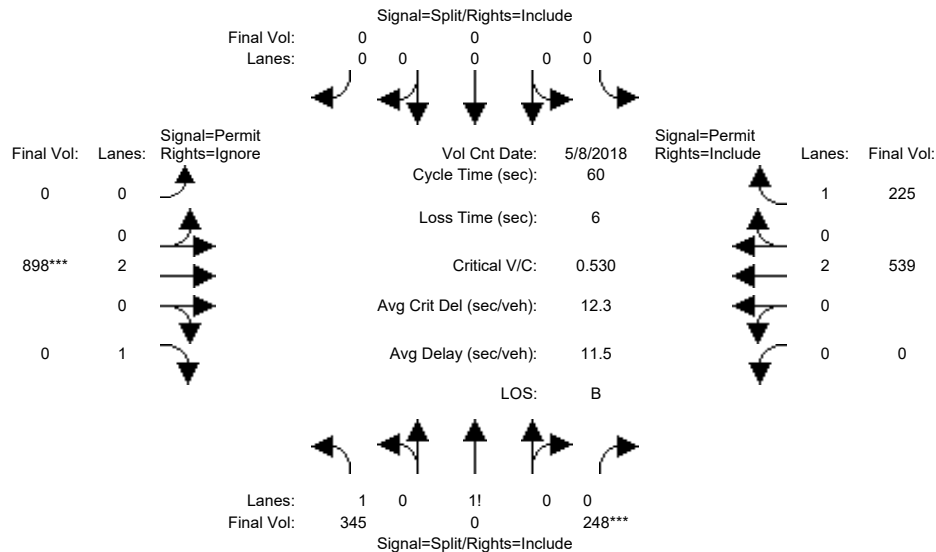


Street Name:	US 101 Northbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	340	0	248	0	0	0	0	897	0	0	538	225
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	340	0	248	0	0	0	0	897	0	0	538	225
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	340	0	248	0	0	0	0	897	0	0	538	225
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	340	0	248	0	0	0	0	897	0	0	538	225
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	340	0	248	0	0	0	0	897	0	0	538	225
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	340	0	248	0	0	0	0	897	0	0	538	225
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.41	0.00	0.59	0.00	0.00	0.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	2462	0	1038	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.00	0.24	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.14	0.13
Crit Moves:	****											
Green Time:	27.2	0.0	27.2	0.0	0.0	0.0	0.0	26.8	0.0	0.0	26.8	26.8
Volume/Cap:	0.31	0.00	0.53	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.32	0.29
Delay/Veh:	10.5	0.0	12.3	0.0	0.0	0.0	0.0	12.3	0.0	0.0	10.8	10.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.5	0.0	12.3	0.0	0.0	0.0	0.0	12.3	0.0	0.0	10.8	10.7
LOS by Move:	B	A	B	A	A	A	A	B	A	A	B	B
HCM2kAvgQ:	3	0	7	0	0	0	0	7	0	0	3	3
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project PM

Intersection #108: US 101 Northbound Ramps and Cochrane Road

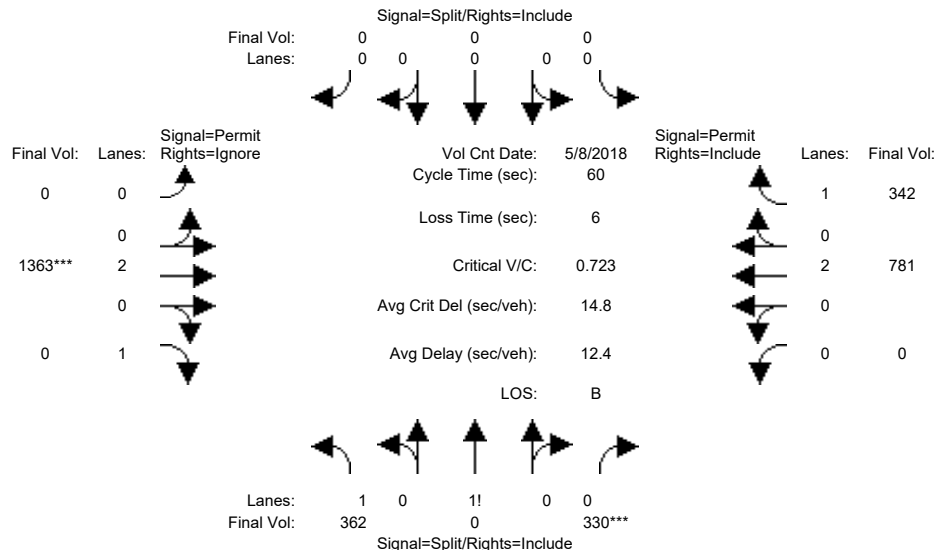


Street Name:	US 101 Northbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	340	0	248	0	0	0	0	897	0	0	538	225
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	340	0	248	0	0	0	0	897	0	0	538	225
Added Vol:	5	0	0	0	0	0	0	1	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	345	0	248	0	0	0	0	898	0	0	539	225
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	345	0	248	0	0	0	0	898	0	0	539	225
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	345	0	248	0	0	0	0	898	0	0	539	225
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	345	0	248	0	0	0	0	898	0	0	539	225
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.41	0.00	0.59	0.00	0.00	0.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	2468	0	1032	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.00	0.24	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.14	0.13
Crit Moves:	****											
Green Time:	27.2	0.0	27.2	0.0	0.0	0.0	0.0	26.8	0.0	0.0	26.8	26.8
Volume/Cap:	0.31	0.00	0.53	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.32	0.29
Delay/Veh:	10.5	0.0	12.3	0.0	0.0	0.0	0.0	12.4	0.0	0.0	10.8	10.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.5	0.0	12.3	0.0	0.0	0.0	0.0	12.4	0.0	0.0	10.8	10.8
LOS by Move:	B	A	B	A	A	A	A	B	A	A	B	B
HCM2kAvgQ:	3	0	7	0	0	0	0	7	0	0	3	3
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative without Project PM

Intersection #108: US 101 Northbound Ramps and Cochrane Road

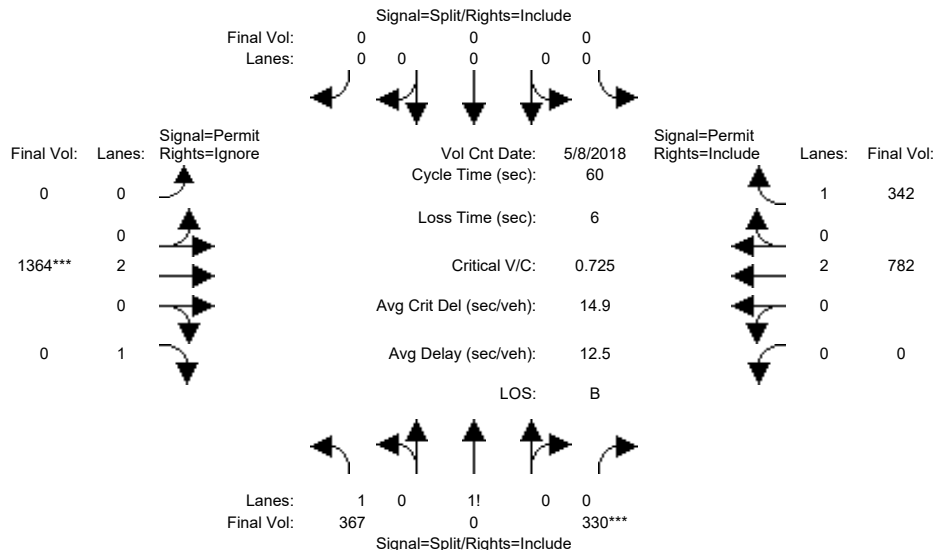


Street Name:	US 101 Northbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	362	0	330	0	0	0	0	1363	0	0	781	342
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	362	0	330	0	0	0	0	1363	0	0	781	342
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	362	0	330	0	0	0	0	1363	0	0	781	342
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	362	0	330	0	0	0	0	1363	0	0	781	342
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	362	0	330	0	0	0	0	1363	0	0	781	342
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	362	0	330	0	0	0	0	1363	0	0	781	342
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.35	0.00	0.65	0.00	0.00	0.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	2370	0	1130	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.15	0.00	0.29	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.21	0.20
Crit Moves:	****											
Green Time:	24.2	0.0	24.2	0.0	0.0	0.0	0.0	29.8	0.0	0.0	29.8	29.8
Volume/Cap:	0.38	0.00	0.72	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.41	0.39
Delay/Veh:	12.7	0.0	17.8	0.0	0.0	0.0	0.0	13.3	0.0	0.0	9.7	9.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.7	0.0	17.8	0.0	0.0	0.0	0.0	13.3	0.0	0.0	9.7	9.8
LOS by Move:	B	A	B	A	A	A	A	B	A	A	A	A
HCM2kAvgQ:	4	0	10	0	0	0	0	11	0	0	5	5
Note: Queue reported is the number of cars per lane.												

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Year 2030 Cumulative with Project PM

Intersection #108: US 101 Northbound Ramps and Cochrane Road



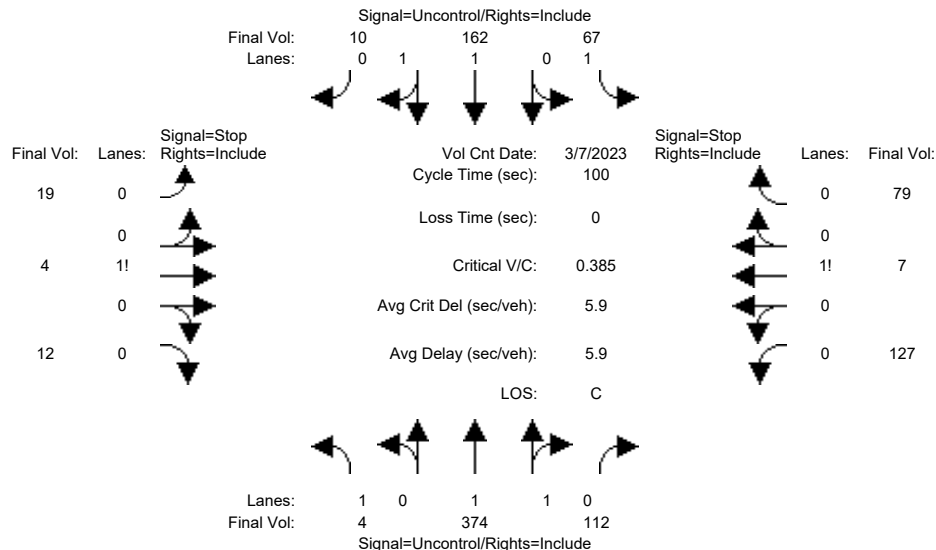
Street Name:	US 101 Northbound Ramps						Cochrane Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2018 <<												
Base Vol:	362	0	330	0	0	0	0	1363	0	0	781	342
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	362	0	330	0	0	0	0	1363	0	0	781	342
Added Vol:	5	0	0	0	0	0	0	1	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	367	0	330	0	0	0	0	1364	0	0	782	342
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	367	0	330	0	0	0	0	1364	0	0	782	342
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	367	0	330	0	0	0	0	1364	0	0	782	342
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	367	0	330	0	0	0	0	1364	0	0	782	342
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.36	0.00	0.64	0.00	0.00	0.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	2375	0	1125	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.15	0.00	0.29	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.21	0.20
Crit Moves:	****											
Green Time:	24.3	0.0	24.3	0.0	0.0	0.0	0.0	29.7	0.0	0.0	29.7	29.7
Volume/Cap:	0.38	0.00	0.72	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.42	0.39
Delay/Veh:	12.7	0.0	17.8	0.0	0.0	0.0	0.0	13.4	0.0	0.0	9.8	9.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.7	0.0	17.8	0.0	0.0	0.0	0.0	13.4	0.0	0.0	9.8	9.8
LOS by Move:	B	A	B	A	A	A	A	B	A	A	A	A
HCM2kAvgQ:	4	0	10	0	0	0	0	11	0	0	5	5

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing PM

Intersection #902: Sutter Boulevard and Cochrane Plaza *



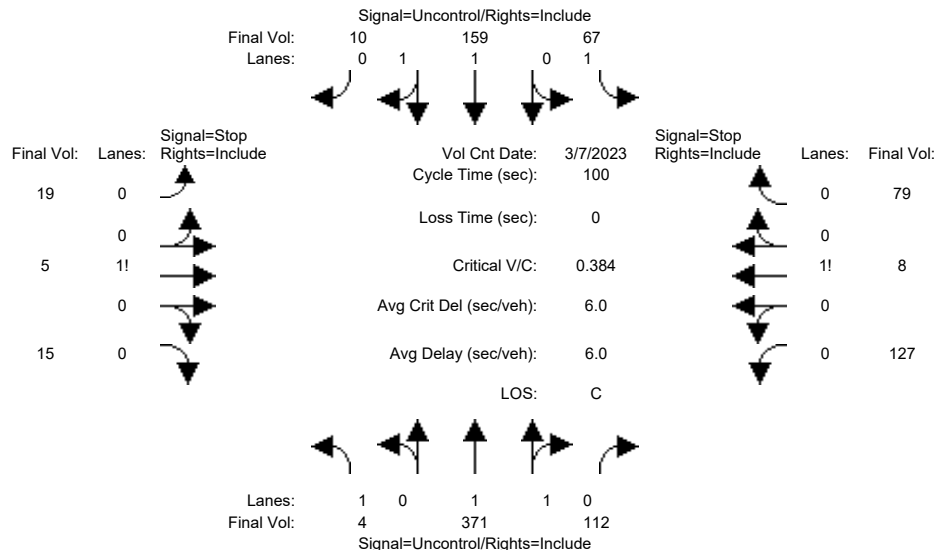
Street Name:	Sutter Boulevard						Cochrane Plaza								
Approach:	North Bound			South Bound			East Bound			West Bound					
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
----- ----- ----- -----															
Volume Module: >> Count Date: 7 Mar 2023 <<															
Base Vol:	4	374	112		67	162	10	19	4	12	127	7	79		
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Initial Bse:	4	374	112		67	162	10	19	4	12	127	7	79		
Added Vol:	0	0	0		0	0	0	0	0	0	0	0	0		
PasserByVol:	0	0	0		0	0	0	0	0	0	0	0	0		
Initial Fut:	4	374	112		67	162	10	19	4	12	127	7	79		
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Volume:	4	374	112		67	162	10	19	4	12	127	7	79		
Reduct Vol:	0	0	0		0	0	0	0	0	0	0	0	0		
FinalVolume:	4	374	112		67	162	10	19	4	12	127	7	79		
----- ----- ----- -----															
Critical Gap Module:															
Critical Gp:	4.1	xxxx	xxxxx		4.1	xxxx	xxxxx	7.5	6.5	6.9	7.5	6.5	6.9		
FollowUpTim:	2.2	xxxx	xxxxx		2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3		
----- ----- ----- -----															
Capacity Module:															
Cnflct Vol:	172	xxxx	xxxxx		486	xxxx	xxxxx	500	795	86	655	744	243		
Potent Cap.:	1417	xxxx	xxxxx		1087	xxxx	xxxxx	459	323	962	355	345	764		
Move Cap.:	1417	xxxx	xxxxx		1087	xxxx	xxxxx	385	302	962	330	323	764		
Volume/Cap:	0.00	xxxx	xxxx		0.06	xxxx	xxxx	0.05	0.01	0.01	0.38	0.02	0.10		
----- ----- ----- -----															
Level Of Service Module:															
2Way95thQ:	0.0	xxxx	xxxxx		0.2	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		
Control Del:	7.5	xxxx	xxxxx		8.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxxx	xxxx	xxxxx		
LOS by Move:	A	*	*		A	*	*	*	*	*	*	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx	xxxx	466	xxxxx	xxxx	418	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	xxxxx	0.2	xxxxx	xxxxx	2.8	xxxxx		
Shrd ConDel:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	xxxxx	13.4	xxxxx	xxxxx	22.2	xxxxx		
Shared LOS:	*	*	*		*	*	*	*	B	*	*	C	*		
ApproachDel:	xxxxxx				xxxxxx				13.4			22.2			
ApproachLOS:	*				*				B			C			
Note: Queue reported is the number of cars per lane.															

Note: Queue reported is the number of cars per lane.

City of Morgan Hill
Raising Cane's at 18590 Skipper Ln

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Project PM

Intersection #902: Sutter Boulevard and Cochrane Plaza *



Street Name:	Sutter Boulevard						Cochrane Plaza					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 7 Mar 2023 <<												
Base Vol:	4	374	112	67	162	10	19	4	12	127	7	79
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	374	112	67	162	10	19	4	12	127	7	79
Added Vol:	0	-3	0	0	-3	0	0	1	3	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	371	112	67	159	10	19	5	15	127	8	79
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	371	112	67	159	10	19	5	15	127	8	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	4	371	112	67	159	10	19	5	15	127	8	79
Critical Gap Module:												
Critical Gap:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.5	6.5	6.9	7.5	6.5	6.9
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	169	xxxx	xxxxx	483	xxxx	xxxxx	496	789	85	651	738	242
Potent Cap.:	1421	xxxx	xxxxx	1090	xxxx	xxxxx	462	325	964	358	348	766
Move Cap.:	1421	xxxx	xxxxx	1090	xxxx	xxxxx	386	304	964	331	326	766
Volume/Cap:	0.00	xxxx	xxxx	0.06	xxxx	xxxx	0.05	0.02	0.02	0.38	0.02	0.10
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxx	0.2	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	7.5	xxxx	xxxxx	8.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	481	xxxxx	xxxx	418	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.3	xxxxx	xxxxx	2.8	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	13.2	xxxxx	xxxxx	22.3	xxxxx
Shared LOS:	*	*	*	*	*	*	*	B	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			13.2			22.3		
ApproachLOS:	*			*			B			C		

Note: Queue reported is the number of cars per lane.

Appendix E
Queuing Analysis
Data

Memorandum

To: Raising Cane's c/o Brandon Layman

From: Stephen Dillon, EIT
Matt Weir, P.E.

Re: *Traffic Assessment*
Raising Cane's – 1420 Travis Blvd, Fairfield, CA

Date: September 21, 2022

Per your request, we have prepared this traffic assessment for the proposed Raising Cane's restaurant to be located at 1420 Travis Boulevard in Fairfield, California (see **Exhibit 1**). The following are discussions of the project, trip generation, site circulation evaluation, drive-thru queuing analysis, and our conclusions.

Project Description

The project site is located on the north side of Travis Boulevard, within the Solano Town Center retail development in Fairfield, California. The project site is currently an underutilized surface parking lot bounded by Travis Boulevard on the south, and access/drive aisles on the three other sides. Raising Cane's proposes to redevelop the site into a 3,331-square foot Raising Cane's drive-thru restaurant building with associated on-site parking and drive-thru facilities. Access to the site will be provided via two driveways, one each along the northern and eastern access/drive aisle frontages.

Trip Generation

Trip generation for the Project was determined based on average rates from Institute of Transportation Engineer's (ITE) publication, Trip Generation, 11th Edition. ITE Land Use Code 934 Fast-food with Drive-Thru Window was used to estimate project trip generation. In addition, pass-by reduction percentages from Trip Generation Handbook, 3rd Edition were assumed. It should be noted that Trip Generation Handbook does not include pass-by reduction for daily trips, therefore an average of AM and PM peak hours were assumed.

Table 1 presents the overall trip generation for the proposed project. The proposed project will generate 740 daily trips, with 74 trips in the AM peak hour and 50 trips in the PM peak hour. It should be noted that Raising Cane's is not open during the AM peak hour and will likely generate fewer trips than shown in **Table 1**.

Table 1: Project Trip Generation

ITE Land Use Code	Description	Unit		Daily Rate	AM Peak			PM Peak		
					Rate	%In	%Out	Rate	%In	%Out
934	Fast-food with Drive-Thru Window	1,000 SF		467.48	44.61	51%	49%	33.03	52%	48%
ITE Land Use Code	Description	Size	Units	Daily Trips	AM Peak			PM Peak		
					Total	In	Out	Total	In	Out
934	Fast-food with Drive-Thru Window	3,331	KSF	1,557	149	76	73	110	57	53
Pass-by Reduction (Daily:53%, AM: 50%, PM: 55%) ¹				-817	-75	-38	-37	-60	-31	-29
Total Generated Trips				740	74	38	36	50	26	24

Source: ITE Trip Generation, 11th Edition

¹ITE Trip Generation Handbook, 3rd Edition does not include pass-by reduction for daily trips, therefore an average of the AM and PM peak hours were assumed.

Vehicle Miles Traveled (VMT) Screening

As of July 1, 2020, the State of California has fully adopted a change in the California Environmental Quality Act (CEQA) significant impact methodology for transportation impacts to use vehicle miles traveled (VMT) as opposed to level of service (LOS) via State Bill 743 (SB 743). To address this change, the City of Fairfield developed and adopted the *Fairfield Guidelines for Project VMT Screening Transportation Analysis*, dated December 2020.

A project may be exempt from performing CEQA analysis if the project meets at least one screening criteria based on:

- Small or Infill Projects
- Local Serving Retail
- Proximity to Transit
- Project Location Screening
- Affordable Housing Projects

Results of the VMT Screening are summarized in **Table 2**. Based on the current Project information given for this analysis, the Project satisfies the Local Serving Retail criterion, therefore a presumption of less than significance can be made and no additional VMT analysis is required. Detailed evaluation for each criterion is discussed in the following sections.

Table 2: VMT Screening Summary

VMT Screening Criteria	Criterion Met?
Small or Infill Projects	No
Local Serving Retail	Yes
Proximity to Transit	N/A
Project Location Screening	N/A
Affordable Housing Projects	N/A

Small Project

Small projects are defined as projects that generate fewer than 110 average daily trips. An average of 110 average daily trips roughly equates to:

- 11 single family residential units
- 15 – 32 multifamily residential units
- 6,800 – 9,750 square feet of office

As shown in **Table 1**, the project is estimated to generate more than 110 average daily trips and does not meet this criterion.

Local Serving Retail

Local serving retail consists of commercial uses of 50,000 square feet or less. The Project would be considered local serving retail since it is a restaurant use with less than 50,000 square feet and satisfies this criterion.

Proximity to Transit

Residential or office projects within one-half mile of an existing major transit station or stop along an existing high-quality transit corridor can be presumed to have a less than significant transportation impact. This criterion is not applicable for the Project since there are no residential or office components.

Project Location Screening

Residential or office projects located in areas with low VMT and that incorporate similar features will typically also generate similar low VMT. This criterion is not applicable for the Project since there are no residential or office components.

Affordable Housing

Residential projects consisting of 100% affordable units may be presumed to have less than significant impacts and require no further VMT analysis. This criterion is not applicable for the Project since there are no residential components.

Site Access and Circulation

Vehicle

As depicted in **Exhibit 1**, vehicles may access the site from Travis Boulevard from the two existing Solano Town Center driveways east and west of the Project site. The eastern driveway is unsignalized and right-in-right-out (RIRO), while the western driveway is a full access signalized intersection. Once off of Travis Boulevard, vehicles may access the site through the Project site driveways located on the north and east side of the site.

Once within the site, vehicles may park along the northern section of the site or enter the drive-thru at the northwest corner of the restaurant. The site also has *KEEP CLEAR* striping to prevent any potential drive-thru queuing from blocking the northern entrance and the trash closure area.

Emergency Vehicles and Delivery Trucks

Site circulation for emergency vehicles and delivery trucks were evaluated. **Exhibit 2** depicts emergency access for the site. To accommodate emergency access, the Project is proposing fire access lane painted curbs along the Project frontage. **Exhibit 3** depicts truck turning for delivery trucks. Overall delivery trucks are able to maneuver through the site, however, trucks making a left into the site from the northern driveway may encroach over the centerline. It is recommended that deliveries are scheduled to minimum potential conflicts.

Pedestrian

As depicted in **Exhibit 1**, pedestrians from Travis Boulevard may travel along an accessible pathway that begins at the northwest corner of Travis Boulevard and the eastern Solano Town Center driveway. Pedestrians from the Solano Town Center may utilize the existing pedestrian crossing located just east of the northern project driveway and follow the pedestrian striping through the parking area to the building.

Bicycle

Bicyclists may utilize the Class III bicycle lanes along Travis Boulevard. Bicyclists may also utilize the Fairfield Linear Park Trail which intersects with the south side of Travis Boulevard, just east of the Project site. Bicyclists using the trail may head west and cross Travis Boulevard at the signalized intersection west of the Project.

The Project will provide a short-term and long-term bicycle parking. There will be one bicycle rack located east of the restaurant building for up to three short-term bicycle parking. In addition, there is one long-term bicycle locker located on the northwest corner of the building, south of the trash enclosure.

Parking

Section 25.34 of the City's Municipal Code presents requirements related to off-street parking and was used to review the parking for the Project. The Project will provide a total of 17 spaces which includes 3 spaces dedicated for mobile pickup, 2 electric vehicle (EV) charging spaces, and 2 accessible spaces.

Table 3 summarizes the parking requirements for the project. Based on Table 25-17 of the City's Municipal Code, restaurant with counter services must provide 1 space per 80 square feet of dining area. The Project is providing 17 spaces, which satisfies City's requirement.

Table 3 – Vehicle Parking Requirements

Land Use	Amount	Requirement	Parking Spaces
Restaurant, Counter	1,163 SF	1 space per 80 square feet dining area	15
Proposed Parking Spaces			17
Surplus (+) / Deficient (-)			+2

Drive-Thru

The opening to the drive-thru lanes is located at the northwest corner of the project site and wraps around the building in a counter-clockwise direction. The drive-thru provides two entry lanes and two order boards, which allows Raising Cane's to take orders from two customers at the same time. During off-peak periods the two lanes can merge into a single lane prior to the pay and pick-up window. Consistent with other sites' operations, an employee will be stationed at the outer lane to take orders and payment during peak periods. Vehicles in the outer lane when ordering are then directed to remain queued in the outer lane when waiting for their order which is brought to their car by restaurant staff.

As depicted in **Exhibit 1**, conservatively assuming 25-feet per vehicle (inclusive of typical passenger vehicles and reasonable spacing), the total queuing capacity provided is approximately:

- Outer lane (between pick-up window and lane entrance): 10-11 vehicles
- Inner lane (between pick-up window and lane entrance): 8-9 vehicles

In summary, the project site provides drive-thru storage for 18-20 vehicles.

Drive-Thru Queuing Analysis

A drive-thru queuing analysis was conducted to determine if the anticipated drive-thru queue exceeds the available storage length and, therefore has the potential to adversely affect traffic operations of near-by access/drive aisles and land uses. The queuing analysis evaluated empirical data collected at three (3) existing Raising Cane's sites and calculations based on Institute of Transportation Engineers' (ITE) queuing methodology.

Pre-COVID-19 Empirical Queuing Data Collection and Observations

Drive-thru queuing observations and counts were collected at the following existing Raising Cane's sites prior to the COVID-19 pandemic:

- **Laguna Hills:** northeast corner of El Toro Road and Avenida De La Carlota (October 2017)
- **Orange:** 2249 North Tustin Street (August 2018)
- **Riverside:** 11066 Magnolia Avenue (March 2019)

These sites were selected for queuing data collection because of their characteristics similar to the Proposed Project (e.g., located adjacent to development or within a larger commercial center). It should be noted that these locations have a single order board which is less efficient compared to the Proposed Project which has dual order boards. This operational aspect is discussed in detail later in this memorandum.

This data was collected prior to the global economic disruption created by the COVID-19 pandemic. The drive-thru activity was observed during the following times on a weekday and Saturday:

- Laguna Hills & Riverside Sites
 - 11:00 AM – 2:00 PM (lunch)
 - 4:00 PM – 7:00 PM (commute peak hour/dinner)
- Orange Site
 - 12:00 PM – 2:30 PM (lunch)
 - 7:00 PM – 9:30 PM (dinner)

The observed weekday lunch and dinner peak operations are summarized in **Table 4**. Saturday lunch and dinner peak operations are summarized in **Table 5**. Data collection summary tables are provided in **Attachment A**.

Table 4 – Weekday Lunch and Dinner Peak Queuing Summary (pre-COVID)

Site Location	Weekday Lunch Peak			Weekday Dinner Peak		
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)
Laguna Hills	12:15 PM-12:30 PM	9	15	6:45 PM-7:00 PM	13	14
Orange	12:45 PM-1:00 PM	10	16	7:15 PM-7:30 PM	12	14
Riverside	12:30 PM-12:45 PM	8	12	6:00 PM-6:15 PM	7	11
All site locations have a <u>single order board</u> which is less efficient compared to sites with dual order boards, like the proposed project. Queues that exceed drive-thru queuing capacity are bolded . Queuing capacity at each location are: Laguna Hills = 170 feet (7-8 vehicles) Orange = 180 feet (7-8 vehicles) Riverside = 325 feet (13-14 vehicles)						

Table 5 – Saturday Lunch and Dinner Peak Queuing Summary (pre-COVID)

Site Location	Saturday Lunch Peak			Saturday Dinner Peak		
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)
Laguna Hills	1:00 PM-1:15 PM	8	14	6:15 PM-6:30 PM	9	13
Orange	1:00 PM-1:15 PM	11	13	8:45 PM-9:00 PM	15	17
Riverside	1:30 PM-1:45 PM	10	12	6:45 PM-7:00 PM	8	11
All site locations have a <u>single order board</u> which is less efficient compared to sites with dual order boards, like the proposed project. Queues that exceed drive-thru queuing capacity are bolded. Queuing capacity at each location are: Laguna Hills = 170 feet (7-8 vehicles) Orange = 180 feet (7-8 vehicles) Riverside= 325 feet (13-14 vehicles)						

During the peak periods, the average queue length ranged from 7- to 15-vehicles and the maximum queue ranged from 11- to 17-vehicles. This level of queuing is noted as being accommodated by the Proposed Project's 18-20 vehicle queuing capacity.

During-COVID Empirical Queuing Data Collection and Observations

Drive-thru queuing observations and counts were collected at the following existing Raising Cane's sites during the COVID-19 pandemic:

- **Huntington Beach:** 101142 Adams Avenue
- **Orange*:** 2249 North Tustin Street
- **Foothill Ranch:** 26782 Portola Parkway

* Same site that was included under "pre-COVID" conditions. The site was modified to have 2 drive-thru lanes and 2 order boards prior to the collection of the "during-COVID" data.

These additional sites (Huntington Beach and Foothill Ranch) were selected for queuing data collection because of their characteristics similar to the Proposed Project (e.g., located adjacent to development or within a larger commercial center). As noted above, all three of these sites have dual drive-thru and order board configurations.

Similar to the "pre-COVID" data collection, drive-thru queuing observations and counts were collected at these locations. This supplemental data was collected during the time period recognized as being affected by the disruption caused by the COVID-19 pandemic. Accordingly, the drive-thru activity was observed during the following times on a weekday and Saturday:

- 11:00 AM – 2:00 PM (lunch)
- 4:00 PM – 7:00 PM (commute peak hour/dinner)

Weekday lunch and dinner peak operations are summarized in **Table 6**. Saturday lunch and dinner peak operations are summarized in **Table 7**. Data collection summary tables are provided in **Attachment B**.

Table 6 – Weekday Lunch and Dinner Peak Queuing Summary (during-COVID-19)

Site Location	Weekday Lunch Peak			Weekday Dinner Peak		
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)
Huntington Beach	12:15 PM-12:30 PM	9	14	5:30 PM-5:45PM	14	18
Orange	12:45 PM-1:00 PM	10	12	6:45 PM-7:45 PM	15	16
Foothill Ranch	1:30 PM-1:45 PM	8	11	6:30 PM-6:45 PM	15	21
All three sites have <u>dual order boards</u>, similar to the proposed project. Queues that exceed drive-thru queuing capacity are bolded. Queuing capacity at each location are: Huntington Beach = 505 feet (20-23 vehicles) Orange = 180 feet (7-8 vehicles) Foothill Ranch = 385 feet (15-16 vehicles)						

Table 7 – Saturday Lunch and Dinner Peak Queuing Summary (during-COVID-19)

Site Location	Saturday Lunch Peak			Saturday Dinner Peak		
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)
Huntington Beach	12:45 PM-1:00 PM	14	18	6:45 PM-7:00 PM	15	19
Orange	1:45 PM-2:00 PM	16	19	6:00 PM-6:15 PM	23	25
Foothill Ranch	1:15 PM-1:30 PM	20	23	5:15 PM-5:30 PM	20	23
All three sites have <u>dual order boards</u>, similar to the proposed project. Queues that exceed drive-thru queuing capacity are bolded. Queuing capacity at each location are: Huntington Beach = 505 feet (20-23 vehicles) Orange = 180 feet (7-8 vehicles) Foothill Ranch = 385 feet (15-16 vehicles)						

During the peak periods, average queue length ranged from 8- to 23-vehicles (compared to 7-15 vehicles pre-COVID) and the maximum queue ranged from 11- to 25-vehicles (compared to 11-17 vehicles pre-COVID).

It is important to note that, outside of the defined drive-thru lanes, the Proposed Project site would be able to accommodate an additional 5-vehicles on-site for additional drive-thru queuing capacity before spilling into the adjacent drive aisles. Nevertheless, while the COVID-19 pandemic has resulted in increased drive-thru queuing due to the restriction of indoor dining and modified customer preferences, it should be noted that these current conditions are certainly not typical and, in fact, have already begun to revert back to their pre-COVID-19 conditions. Under the more typical conditions, if there is a back-up of vehicles in the drive-thru lane, a portion of the customers have been observed to elect to park and go into the building rather than join the standing drive-thru queue. Accordingly, as conditions normalize, it is recommended that Raising Cane's coordinate with City staff to monitor the peak operating conditions.

Post-COVID-19 Empirical Queuing Data Collection and Observations

Drive-thru queuing observations and counts were collected at the following existing northern California Raising Cane's sites after the ongoing effects of COVID-19 pandemic are assumed to have stabilized:

- **Vacaville:** 160 Nut Tree Parkway (August 2022)
- **Elk Grove:** 9164 E Stockton Boulevard (August/September 2022)
- **Manteca:** 1311 E Yosemite Avenue (August 2022)

These sites were selected for queuing data collection because of their characteristics similar to the Proposed Project (e.g., located adjacent to development or within a larger commercial center, located in northern California, located proximate to a major highway). Each selected location features a dual order board configuration similar to the Proposed Project. This operational aspect is discussed in detail later in this memorandum.

This data was collected after the global economic disruption created by the COVID-19 pandemic is widely accepted as having stabilized. The drive-thru activity was observed from 11 AM to 10 PM on a typical weekday and Saturday to comprehensively capture maximum queueing at each site. The data was subsequently broken into traditional lunch and commute/dinner period observation windows as follows:

- 11:00 AM – 2:00 PM (lunch)
- 4:00 PM – 7:00 PM (commute peak hour/dinner)

The observed weekday lunch and dinner peak operations are summarized in **Table 8**. Saturday lunch and dinner peak operations are summarized in **Table 9**. Data collection summary tables are provided in **Attachment C**.

Table 8 - Weekday Lunch and Dinner Peak Queuing Summary (post-COVID-19)

Site Location	Weekday Lunch Peak			Weekday Dinner Peak			Maximum Observed Queue (vehicle)
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	
Vacaville	12:30 PM-12:45 PM	14	17	6:15 PM-6:30PM	12	17	22
Elk Grove	12:00 PM-12:15 PM	10	14	4:30 PM-4:45 PM	15	18	23
Manteca	12:30 PM-12:45 PM	12	16	6:15 PM-6:30 PM	13	17	17
All three sites have <u>dual order boards</u>, similar to the proposed project. Queues that exceed drive-thru queuing capacity are bolded. Queuing capacity at each location are: Vacaville = 510 feet (21-23 vehicles) Elk Grove = 750 feet (30-33 vehicles) Manteca = 360 feet (19-21 vehicles)							

Table 9 - Saturday Lunch and Dinner Peak Queuing Summary (post-COVID-19)

Site Location	Saturday Lunch Peak			Saturday Dinner Peak			Maximum Observed Queue (vehicle)
	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	Peak Period	Average Queue (vehicle)	Maximum Queue (vehicle)	
Vacaville	1:15 PM-1:30 PM	16	22	6:30 PM-6:45 PM	18	20	22
Elk Grove	1:15 PM-1:30 PM	5	11	4:00 PM-4:15 PM	17	18	19
Manteca	1:45 PM-2:00 PM	18	21	5:30 PM-5:45 PM	13	22	25
All three sites have <u>dual order boards</u>, similar to the proposed project. Queues that exceed drive-thru queuing capacity are bolded. Queuing capacity at each location are: Vacaville = 510 feet (21-23 vehicles) Elk Grove = 750 feet (30-33 vehicles) Manteca = 360 feet (19-21 vehicles)							

During the peak periods, average queue length ranged from 5- to 18-vehicles and the maximum queue ranged from 11- to 22-vehicles. The maximum observed queue from all data collected on both weekday and weekend periods was 25 vehicles. The observed levels of queuing are noted as being almost entirely accommodated by the Proposed Project's 18-20 vehicle queuing capacity. Should demand exceed capacity, the Proposed Project will implement the Traffic Management Plan outlined in **Attachment D**.

Drive-thru Queue Length Calculation

To supplement the empirical data collected at the existing Raising Cane's restaurants in Laguna Hills, Orange, and Riverside (all of which have a single drive-thru lane), the anticipated drive-thru queuing was also analyzed using queuing analysis formulas contained in the *Transportation Planning Handbook*, 3rd Edition, published by ITE.

As specified by the applicant, Raising Cane's typical, non-peak total drive-thru (order board to pick-up) service time is 150-seconds. However, during peak periods, the desired efficiency is measured at the pick-up window with an order/vehicle processing every 35- to 40-seconds. Assuming the more conservative (longer) peak processing time of 40 seconds and applying the ITE queuing formulas, the analysis indicates that the average queue length is estimated to be 9 vehicles, and the probability that the queue would be exactly 20 vehicles would be 1.34-percent. The probability of exceeding 20 vehicles during peak drive-thru conditions is estimated to be 13.19-percent. The queuing calculation worksheet and formulas are provided as **Attachment E**.

The ITE queuing analysis assumes a single-lane drive-thru for a more conservative approach. The occurrence of the drive-thru queue extending beyond the opening of the drive-thru lane is expected to be an infrequent occurrence, and of short duration. The use of dual, side-by-side drive-thru lanes with dual order boards significantly improves the service rate and reduces the number of vehicles queuing in the drive-thru, as described in the following section.

Side-by-Side Drive-Thru (dual order boards) Operational Features

While regular customers who are familiar with Raising Cane's menu choices typically would complete the order part of the process is less that the average time, infrequent or new customers are more likely to dwell at the order board before making their choices, thereby slowing down the process for everyone behind them. As a result, the order board is the most significant bottleneck in the drive-thru process.

The side-by-side ordering configuration, as proposed by Raising Cane's including this proposed site in Fairfield, would provide two lanes with a separate order board for each lane. This doubling of ordering capacity will increase the number of customers processed through the order board portion of the drive-thru and has been shown to "keep the line moving" even if one customer takes longer than average to order (allowing the restaurant to continue to take and complete orders from the other order lane). Furthermore, it is reasonable to expect that the next customer to arrive at the drive-thru entrance will naturally choose the empty lane or the shorter line, so that one customer who takes a longer time to order at one order board can be by-passed, thereby not holding up the entire drive-thru line.

With the added efficiency of having two order boards and the ability to by-pass customers taking longer than average to order at the other order board, the service rate increase, compared to a single drive-thru lane as more orders can be processed. Under these favorable conditions, the cooks receive the orders at a more efficient rate which allows them to continue cooking the food, rather than waiting for a slower customer to finish ordering. Because of added efficiency in the cooking area, the efficiency at the pick-up window also increases compared to a single drive-thru lane because the food is processed by the cooking area at a more efficient rate. The proposed dual pay and pick-up stations also improve the service rate under peak drive-thru conditions as they service more drive-thru vehicles than a single pick-up area of the drive-thru.

The Fairfield site will include additional features that will improve efficiency. The site will have enhanced kitchen features and additional fryers compared to the Laguna Hills, Orange, and Riverside sites. These kitchen features are designed to increase cooking efficiency and decrease time needed to prepare orders. As mentioned previously, during peak periods staff will be deployed to take orders and payment on mobile tablets. This enhancement will allow Raising Cane's to take more orders and payments since staff can walk along the queue line.

Conclusions

The Project is proposing a 3,331 square foot Raising Cane's on the north side of Travis Boulevard, within the Solano Town Center retail development in Fairfield, California. The proposed project will generate 740 daily trips, with 74 trips in the AM peak hour and 50 trips in the PM peak hour. It should be noted that Raising Cane's is not open during the AM peak hour and will likely generate fewer trips in the AM peak hour.

A vehicle miles traveled (VMT) screening analysis was conducted and found that the Project satisfies the Local Serving Retail criterion, therefore a presumption of less than significance can be made and no additional VMT analysis is required.

The site circulation evaluation found that the project would provide adequate site access and circulation. It should be noted that delivery trucks making a left turn into the site from the northern driveway may encroach over the centerline and is recommended that deliveries are scheduled outside operation hours as to minimize potential conflicts. The Project will provide 17 vehicle parking spaces which exceed the required 15 spaces.

The proposed Raising Cane's drive-thru would provide drive-thru queuing capacity for 18-20 vehicles from the beginning of the drive-thru lanes to the pick-up window. This capacity is easily expanded to 25 total queued vehicles by accounting for available on-site space. Based on the drive-thru queuing data collection and analysis contained herein, the maximum number of queued vehicles is anticipated to be 25-vehicles. As such, the site is considered to have adequate drive-thru queuing capacity to accommodate the anticipated demand.

Attachments

Exhibit 1 – Proposed Project Site Plan

Exhibit 2 – Emergency Access Exhibit

Exhibit 3 – Delivery Truck-Turn Exhibit

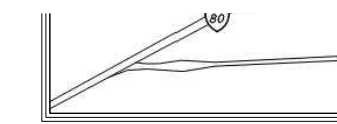
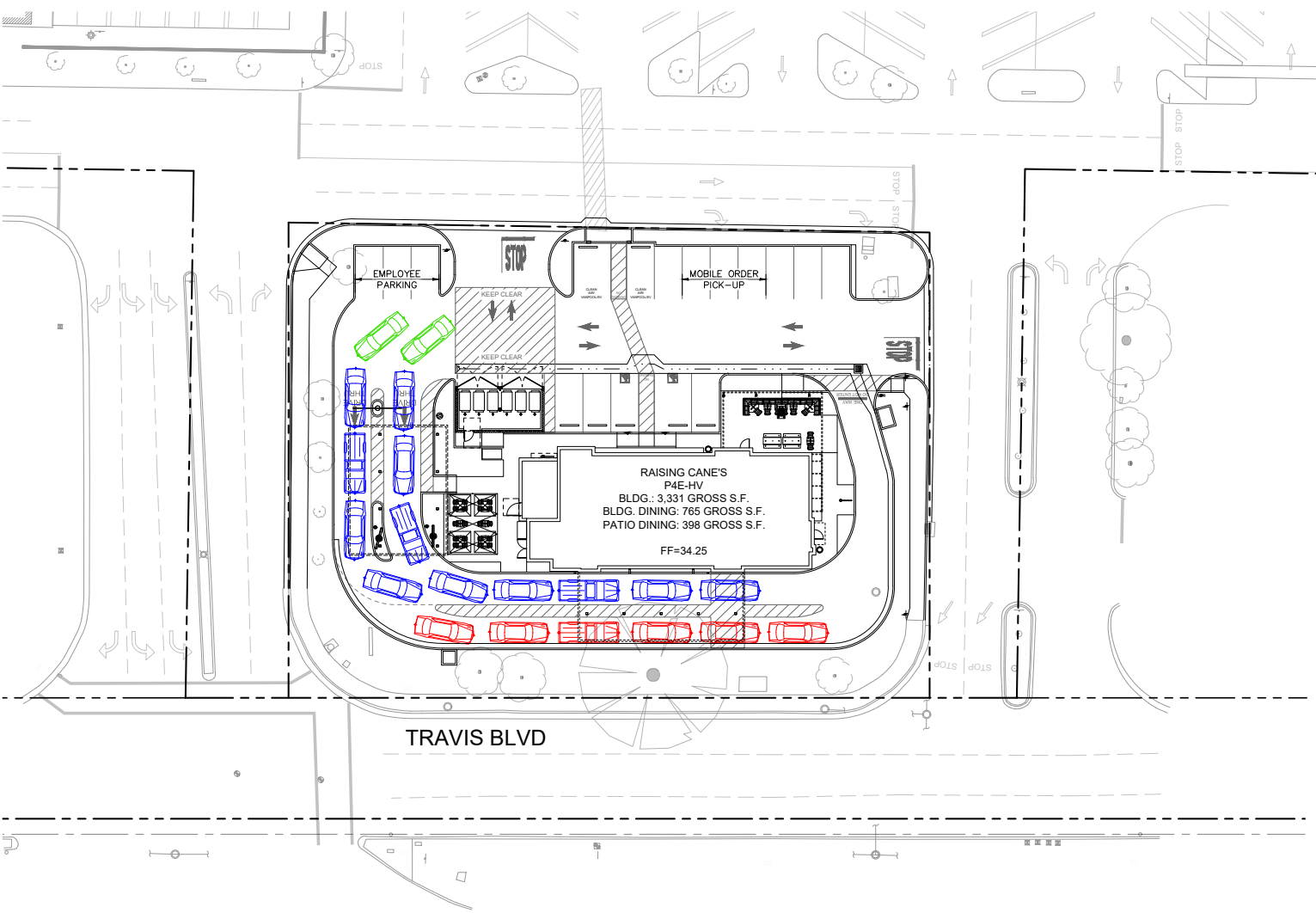
Attachment A – Sample Sites' Drive-Thru Queue Data (pre-COVID)

Attachment B – Sample Sites' Drive-Thru Queue Data (during COVID)

Attachment C – Sample Sites' Drive-Thru Queue Data (post-COVID)

Attachment D – Traffic Management Plan

Attachment E – Queuing Calculations



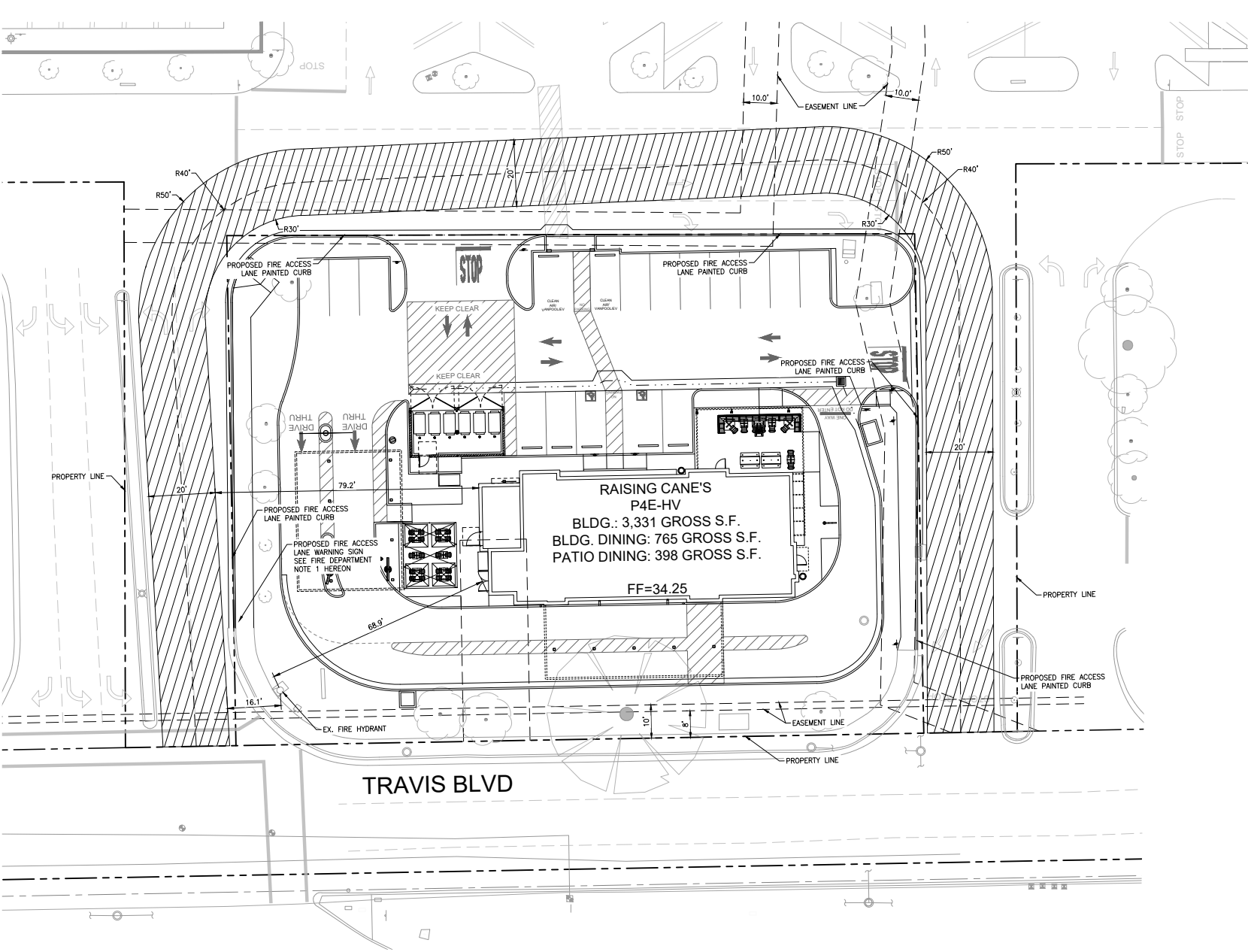
LEGEND

	12 CARS
	6 CARS
	2 CARS
	20 CARS



NOT TO SCALE

Site Plan Source: Kimley-Horn, July 2022



LEGEND

FIRE ACCESS LANE

CURB AND GUTTER

STRIPING

CONCRETE

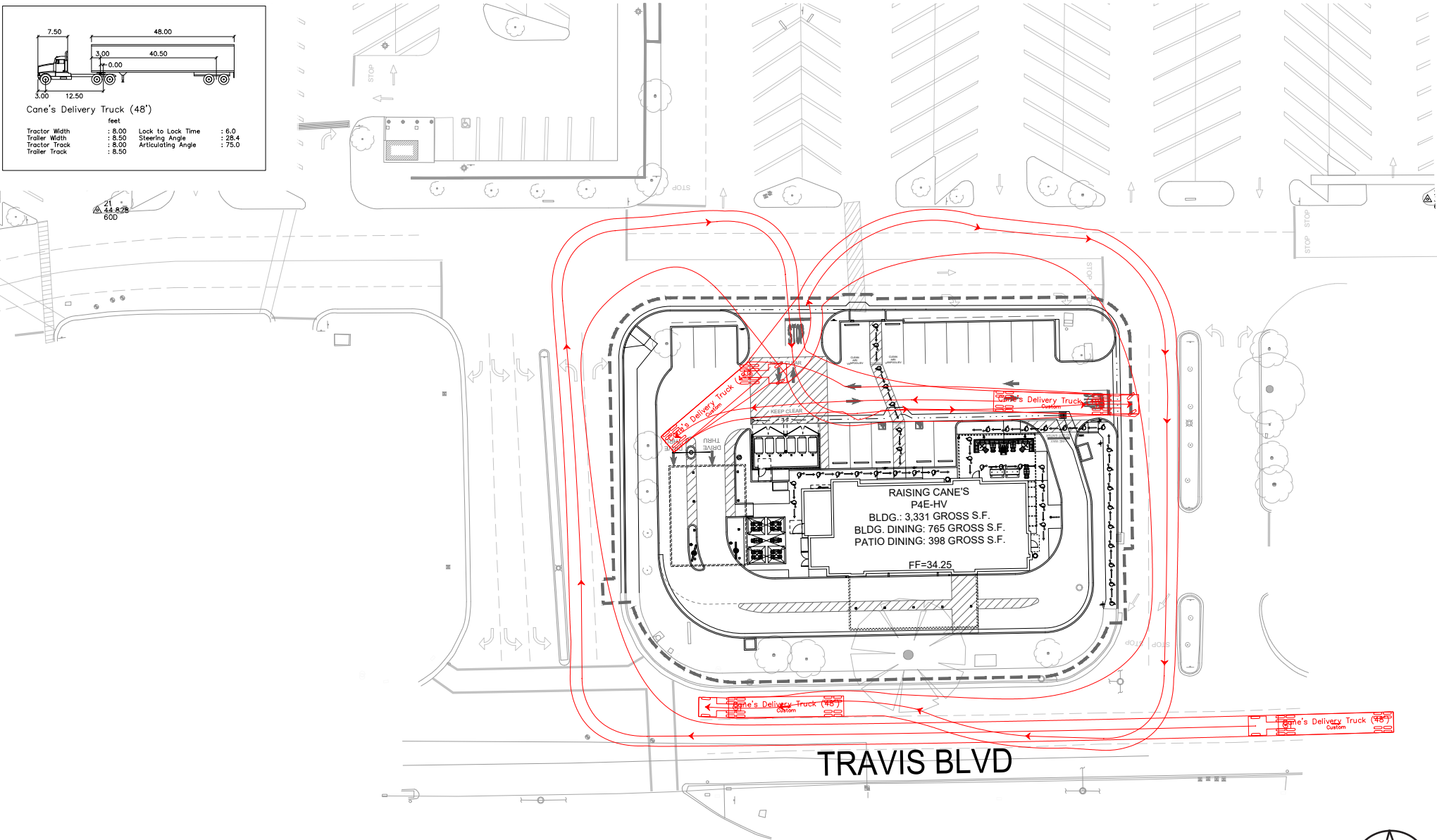
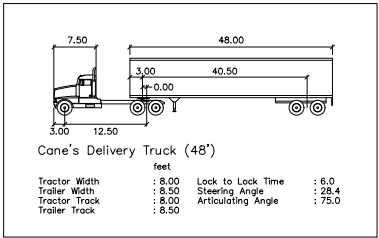
FIRE DEPARTMENT NOTES

1. PROVIDE SIGN(S) (12"x18" MINIMUM). LETTERING SHALL BE RED ON A WHITE BACKGROUND AND SHALL BE 3" IN HEIGHT WITH A 3/8" STROKE. SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL AND SHALL BE MOUNTED ON A PERMANENT POST THAT IS HIGHLY VISIBLE AND APPROXIMATELY 6' IN HEIGHT. SIGNS SHALL BE POSTED IMMEDIATELY ADJACENT TO THE MARKED FIRE LANE, OR AT THE MAIN VEHICULAR ACCESS POINTS TO THE PROPERTY AND SHALL BE CLEARLY VISIBLE FROM A VEHICLE. ADDITIONAL SIGN MAY BE REQUIRED DUE TO VISIBILITY AND LOCATION OF FIRE LANES UPON THE DESIGNATION OF THE AUTHORITY HAVING JURISDICTION. (CHAPTER 8, SECTION 8.1 CITY CALIFORNIA FIRE CODE (C.F.C.), SECTION 503, CALIFORNIA VEHICLE CODE, SECTIONS 21458 (a) AND 22500.1)
2. ALL CURBING OR DRIVEWAY SURFACES ALONG A DESIGNATED FIRE LANE SHALL BE PAINTED RED. WHEN PAINTING A SURFACE OTHER THAN A CURB, THE PAINTED FIRE LANE SHALL NOT BE LESS THAN 6" IN WIDTH EVERY THIRTY (30) FEET THE WORDING "NO PARKING - FIRE LANE" SHALL BE STENCILED WITH WHITE OR APPROVED REFLECTIVE PAINT. STENCILING SHALL BE NO LESS THAN 3" IN HEIGHT. (CHAPTER 8, SECTION 8.1 CITY CALIFORNIA FIRE CODE (C.F.C.), SECTION 503, CALIFORNIA VEHICLE CODE, SECTIONS 21458 (a) AND 22500.1)
3. A FIRE DEPARTMENT ACCESS ROAD SHALL HAVE A MINIMUM STANDARD TURNING RADIUS OF 28 FEET (8.5 M) INSIDE AND A 48-FOOT (14.6 M) OUTSIDE DIAMETER. (2019 CALIFORNIA FIRE CODE, CHAPTER 5, SUBSECTION 503.2.4)



NOT TO SCALE

Site Plan Source: Kimley-Horn, June 2022



NOT TO SCALE

Site Plan Source: Kimley-Horn, June 2022

Attachment A

Sample Sites' Drive-Thru Queue Data (pre-COVID)

**SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - TYPICAL WEEKDAY
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES**

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside
Lunch									
11:00-11:15 AM	1.5		1.7	2.7		3.0	3		4
11:15-11:30 AM	1.7		3.1	2.0		5.0	3		6
11:30-11:45 AM	2.6		1.1	4.0		2.0	5		2
11:45-12:00 PM	4.1		3.0	7.2		4.0	11		5
12:00-12:15 PM	3.9	5.6	5.4	7.0	7.0	7.0	9	14	8
12:15-12:30 PM	9.0	6.6	4.9	13.0	8.0	7.9	15	13	9
12:30-12:45 PM	10.6	7.0	7.8	12.8	9.0	9.9	13	10	12
12:45-1:00 PM	7.0	9.7	5.6	9.0	13.0	6.9	9	16	7
1:00-1:15 PM	5.2	9.0	5.2	7.0	11.0	7.0	8	13	8
1:15-1:30 PM	5.8	6.6	6.6	8.0	9.0	9.0	10	11	10
1:30-1:45 PM	2.8	3.9	4.5	5.0	5.0	7.0	6	7	9
1:45-2:00 PM	3.5	3.6	5.0	4.5	5.0	6.0	6	6	7
2:00-2:15 PM		3.6			5.0			5	
2:15-2:30 PM		2.9			5.0			6	
Highest Value	10.6	9.7	7.8	13.0	13.0	9.9	15	16	12
Dinner									
4:00-4:15 PM	5.6		3.5	7.0		5.0	8		6
4:15-4:30 PM	6.2		2.0	8.0		3.0	9		4
4:30-4:45 PM	5.9		3.8	7.0		6.0	9		7
4:45-5:00 PM	5.5		6.2	7.0		9.0	9		10
5:00-5:15 PM	5.4		2.2	7.0		4.9	8		6
5:15-5:30 PM	5.8		3.6	7.0		6.0	9		8
5:30-5:45 PM	7.1		5.3	8.0		8.9	10		10
5:45-6:00 PM	10.9		2.7	12.0		4.0	13		6
6:00-6:15 PM	8.6		6.7	10.4		9.0	11		11
6:15-6:30 PM	10.8		6.3	12.0		7.9	13		9
6:30-6:45 PM	11.1		4.5	12.5		6.9	14		8
6:45-7:00 PM	12.8		3.1	14.0		4.0	14		5
7:00-7:15 PM		11.0			12.0			14	
7:15-7:30 PM		11.5			13.0			14	
7:30-7:45 PM		8.6			10.0			12	
7:45-8:00 PM		8.3			10.0			12	
8:00-8:15 PM		9.4			11.0			13	
8:15-8:30 PM		8.5			11.0			12	
8:30-8:45 PM		6.4			9.0			10	
8:45-9:00 PM		5.2			7.0			8	
9:00-9:15 PM		6.4			8.1			10	
9:15-9:30 PM		7.5			9.3			12	
Highest Value	12.8	11.5	6.7	14.0	13.0	9.0	14	14	11

Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.

SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - SATURDAY
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside
Lunch									
11:00-11:15 AM	3.0		2.3	4.3		5.8	5		6
11:15-11:30 AM	1.8		2.3	3.0		5.8	4		6
11:30-11:45 AM	5.3		4.9	8.0		6.0	12		9
11:45-12:00 PM	7.5		1.9	10.0		3.9	12		5
12:00-12:15 PM	4.7	5.5	8.0	5.0	8.0	10.0	6	9	11
12:15-12:30 PM	4.1	6.8	4.9	5.0	8.7	6.9	6	10	8
12:30-12:45 PM	8.2	5.8	6.7	12.0	7.1	7.9	13	9	9
12:45-1:00 PM	9.3	6.8	7.9	11.0	8.0	9.0	12	9	12
1:00-1:15 PM	7.2	10.4	8.6	9.0	12.0	9.9	14	13	11
1:15-1:30 PM	7.3	9.4	8.1	9.0	12.0	9.9	10	13	12
1:30-1:45 PM	6.9	8.5	9.5	9.0	11.0	10.0	10	13	12
1:45-2:00 PM	7.3	3.9	8.0	8.8	5.4	9.0	10	6	10
2:00-2:15 PM		5.0			7.0			8	
2:15-2:30 PM		6.4			8.0			10	
Highest Value	9.3	10.4	9.5	12.0	12.0	10.0	14	13	12
Dinner									
4:00-4:15 PM	6.2		5.8	8.5		8.9	11		10
4:15-4:30 PM	4.5		7.1	5.1		8.9	6		11
4:30-4:45 PM	2.0		4.9	3.0		6.0	4		9
4:45-5:00 PM	5.2		3.9	6.0		6.0	8		7
5:00-5:15 PM	5.6		4.7	7.0		7.0	9		8
5:15-5:30 PM	10.0		4.2	12.0		5.0	12		6
5:30-5:45 PM	6.1		3.7	7.3		5.0	11		6
5:45-6:00 PM	7.3		2.1	11.3		3.0	13		4
6:00-6:15 PM	8.7		2.9	11.0		6.0	12		7
6:15-6:30 PM	8.6		2.8	11.0		4.8	13		6
6:30-6:45 PM	6.0		7.2	7.3		9.0	10		10
6:45-7:00 PM	4.7		7.8	7.0		9.0	8		11
7:00-7:15 PM		9.2			10.5			13	
7:15-7:30 PM		11.6			13.0			13	
7:30-7:45 PM		10.8			13.0			16	
7:45-8:00 PM		4.2			6.0			11	
8:00-8:15 PM		5.4			8.0			10	
8:15-8:30 PM		8.9			11.0			12	
8:30-8:45 PM		8.8			11.0			13	
8:45-9:00 PM		15.0			17.0			17	
9:00-9:15 PM		12.4			16.0			17	
9:15-9:30 PM		9.3			11.4			15	
Highest Value	10.0	15.0	7.8	12.0	17.0	9.0	13	17	11

Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.

Attachment B

Sample Sites' Drive-Thru Queue Data (during COVID)

**SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - TYPICAL WEEKDAY (DURING COVID)
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES**

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Orange	Huntington Beach	Foothill Ranch	Orange	Huntington Beach	Foothill Ranch	Orange	Huntington Beach	Foothill Ranch
Lunch									
11:00-11:15 AM	3.3	1.7	1.1	4.0	3.0	2.0	8	3	3
11:15-11:30 AM	6.6	3.8	2.3	8.0	5.0	4.0	9	6	5
11:30-11:45 AM	5.0	3.4	4.0	5.5	4.2	4.0	7	7	6
11:45-12:00 PM	2.6	4.4	6.5	4.0	6.0	9.0	4	7	10
12:00-12:15 PM	6.4	5.0	4.3	7.5	7.0	6.0	8	8	7
12:15-12:30 PM	6.5	8.5	7.0	8.0	12.0	8.0	9	14	9
12:30-12:45 PM	4.8	4.9	7.3	8.2	7.2	9.0	9	9	10
12:45-1:00 PM	10.1	3.4	5.3	11.0	5.0	6.0	12	6	7
1:00-1:15 PM	7.0	7.9	4.2	9.0	10.0	10.0	9	11	7
1:15-1:30 PM	2.5	4.1	6.9	5.0	6.0	10.0	5	6	11
1:30-1:45 PM	4.4	5.1	8.3	6.7	7.0	10.0	7	9	11
1:45-2:00 PM	4.8	3.6	2.9	6.0	5.0	4.0	8	6	4
Highest Value	10.1	8.5	8.3	11.0	12.0	10.0	12	14	11
Dinner									
4:00-4:15 PM	1.5	4.8	2.5	2.3	6.0	3.0	3	7	5
4:15-4:30 PM	6.1	2.2	1.8	8.0	3.5	2.0	8	5	3
4:30-4:45 PM	8.0	2.6	2.5	9.3	5.0	4.0	10	6	5
4:45-5:00 PM	7.0	6.7	2.8	9.3	8.0	4.0	10	10	5
5:00-5:15 PM	6.0	4.7	3.5	7.0	6.2	5.0	8	7	5
5:15-5:30 PM	10.3	7.9	5.0	11.1	11.3	6.9	12	14	8
5:30-5:45 PM	9.4	14.1	10.7	11.0	16.2	14.9	11	18	16
5:45-6:00 PM	2.0	8.9	15.1	3.3	11.0	16.9	4	12	17
6:00-6:15 PM	7.8	8.0	15.8	10.8	11.0	17.0	12	12	19
6:15-6:30 PM	9.9	7.8	15.7	11.4	10.2	17.0	15	13	17
6:30-6:45 PM	13.2	10.5	15.5	14.3	12.0	18.0	15	14	21
6:45-7:00 PM	14.5	10.9	6.9	15.3	13.0	8.9	16	14	11
Highest Value	14.5	14.1	15.8	15.3	16.2	18.0	16	18	21

Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.

**SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - SATURDAY (DURING COVID)
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES**

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Orange	Huntington Beach	Foothill Ranch	Orange	Huntington Beach	Foothill Ranch	Orange	Huntington Beach	Foothill Ranch
Lunch									
11:00-11:15 AM	3.3	0.9	2.3	4.0	1.1	3.9	4	2	4
11:15-11:30 AM	5.0	2.6	4.9	7.0	3.0	8.0	7	4	8
11:30-11:45 AM	2.1	1.8	8.7	3.0	3.6	11.0	4	4	12
11:45-12:00 PM	4.6	5.1	7.7	5.2	8.0	8.0	7	9	10
12:00-12:15 PM	7.7	9.2	11.5	9.0	10.0	14.0	10	10	15
12:15-12:30 PM	8.3	8.5	12.4	9.0	10.0	14.9	11	11	16
12:30-12:45 PM	6.9	5.4	12.8	8.0	6.6	14.0	8	9	15
12:45-1:00 PM	9.4	13.6	14.8	11.3	16.8	16.9	14	18	18
1:00-1:15 PM	13.8	13.7	16.1	16.7	16.0	20.0	18	16	19
1:15-1:30 PM	17.5	9.7	19.6	18.0	11.0	22.0	18	12	23
1:30-1:45 PM	15.3	7.2	15.5	17.1	8.0	16.9	18	9	19
1:45-2:00 PM	16.3	7.7	16.1	19.0	10.0	18.0	19	11	19
Highest Value	17.5	13.7	19.6	19.0	16.8	22.0	19	18	23
Dinner									
4:00-4:15 PM	14.7	7.3	2.7	17.8	10.0	4.0	20	11	6
4:15-4:30 PM	20.5	3.3	6.1	20.9	4.0	7.0	21	5	8
4:30-4:45 PM	18.7	2.6	7.5	19.0	4.0	9.0	19	7	10
4:45-5:00 PM	21.3	4.1	9.6	21.7	5.0	11.0	22	6	12
5:00-5:15 PM	21.0	6.4	14.3	22.8	9.3	17.0	24	10	18
5:15-5:30 PM	23.3	6.5	20.3	24.1	9.0	21.9	25	10	23
5:30-5:45 PM	23.0	10.6	16.4	23.7	13.0	19.9	24	15	20
5:45-6:00 PM	20.8	6.3	15.9	22.1	8.5	17.0	23	11	19
6:00-6:15 PM	23.3	7.5	15.1	24.4	11.0	17.9	25	12	19
6:15-6:30 PM	21.5	9.8	16.5	21.9	12.2	17.9	22	15	18
6:30-6:45 PM	21.3	14.4	16.5	21.7	16.0	18.0	22	18	18
6:45-7:00 PM	21.8	15.3	17.0	22.6	17.0	18.0	23	19	18
Highest Value	23.3	15.3	20.3	24.4	17.0	21.9	25	19	23

Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.

Attachment C

Sample Sites' Drive-Thru Queue Data (post-COVID)

SUMMARY OF DRIVE-THROUGH QUEUEING DATA COLLECTION
RAISING CANE'S - TYPICAL WEEKDAY (POST COVID)
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Vacaville	Elk Grove	Manteca	Vacaville	Elk Grove	Manteca	Vacaville	Elk Grove	Manteca
Lunch									
11:00-11:15 AM	5.7	2.8	1.4	7	4.0	3.0	10	6	3
11:15-11:30 AM	4.3	1.9	3.5	7.0	4.0	6.0	7	5	7
11:30-11:45 AM	6.9	2.7	1.9	9.0	4.0	2.9	10	5	4
11:45-12:00 PM	7.9	2.6	4.3	9.0	3.9	8.0	10	5	11
12:00-12:15 PM	9.1	10.1	11.8	10.0	13.0	12.9	10	14	14
12:15-12:30 PM	9.8	6.3	5.9	11.0	10.0	9.0	13	13	10
12:30-12:45 PM	14.5	4.4	12.1	15.0	6.0	15.9	17	8	16
12:45-1:00 PM	8.2	5.3	10.9	10.0	6.0	12.0	12	8	13
1:00-1:15 PM	6.5	5.2	5.3	9.9	7.9	8.0	11	8	8
1:15-1:30 PM	7.2	5.0	5.1	9.0	6.0	7.0	11	7	8
1:30-1:45 PM	6.9	7.2	4.2	9.9	8.0	8.0	11	9	9
1:45-2:00 PM	4.5	11.0	3.1	5.9	12.0	3.9	7	13	6
Highest Value	14.5	11.0	12.1	15.0	13.0	15.9	17	14	16
Dinner									
4:00-4:15 PM	4.5	12.7	3.7	7.9	13.9	5.0	8	14	6
4:15-4:30 PM	7.3	12.1	4.7	8.0	13.9	5.9	10	15	9
4:30-4:45 PM	8.5	15.4	8.3	11.0	16.9	9.0	12	18	10
4:45-5:00 PM	7.8	14.3	5.1	10.0	16.9	7.0	10	18	9
5:00-5:15 PM	5.9	9.9	8.3	7.0	12.9	11.0	8	13	13
5:15-5:30 PM	5.5	5.7	10.6	8.9	7.9	12.0	9	8	14
5:30-5:45 PM	4.1	4.5	3.6	5.9	6.0	7.0	7	8	8
5:45-1:00 PM	7.6	4.2	3.9	9.9	6.0	6.9	10	6	9
6:00-6:15 PM	11.9	5.5	6.3	15.0	7.0	8.9	16	7	9
6:15-6:30 PM	12.1	10.7	12.7	13.9	15.0	15.0	17	16	17
6:30-6:45 PM	13.3	12.5	11.3	15.0	13.0	13.0	16	14	14
6:45-7:00 PM	6.9	14.7	11.6	8.0	16.0	13.9	9	17	15
Highest Value	13.3	15.4	12.7	15.0	16.9	15.0	17	18	17
Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.									

SUMMARY OF DRIVE-THROUGH QUEUEING DATA COLLECTION
RAISING CANE'S - SATURDAY (POST COVID)
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile ¹ Queue			Peak Queue		
	Vacaville	Elk Grove	Manteca	Vacaville	Elk Grove	Manteca	Vacaville	Elk Grove	Manteca
Lunch									
11:00-11:15 AM	3.1	2.1	4.3	0	4.8	6.0	4	5	7
11:15-11:30 AM	4.9	3.3	3.0	7.0	4.0	4.0	8	4	5
11:30-11:45 AM	7.1	6.9	3.1	9.0	8.0	5.0	10	9	8
11:45-12:00 PM	10.0	1.9	4.9	11.0	2.9	6.0	12	4	7
12:00-12:15 PM	7.0	1.9	5.8	9.9	2.9	7.9	11	4	9
12:15-12:30 PM	3.4	2.1	7.7	4.9	3.0	9.0	6	4	10
12:30-12:45 PM	4.0	1.4	11.7	6.0	2.0	13.9	7	3	16
12:45-1:00 PM	9.1	3.1	11.1	11.9	5.0	13.0	15	5	14
1:00-1:15 PM	12.3	3.5	13.3	14.9	4.9	17.0	16	5	19
1:15-1:30 PM	15.5	5.0	13.9	20.6	7.0	17.0	22	11	18
1:30-1:45 PM	15.5	5.3	17.7	17.0	7.9	19.0	19	9	20
1:45-2:00 PM	11.4	7.4	17.7	13.9	9.0	19.9	15	10	21
Highest Value	15.5	7.4	17.7	20.6	9.0	19.9	22	11	21
Dinner									
4:00-4:15 PM	14.6	16.5	16.8	15.0	17.9	17.0	16	18	18
4:15-4:30 PM	11.5	13.2	12.3	12.9	15.0	14.0	14	16	15
4:30-4:45 PM	14.0	8.6	12.2	15.0	10.9	13.9	16	12	14
4:45-5:00 PM	10.0	6.9	11.6	13.9	7.9	14.0	14	8	15
5:00-5:15 PM	5.0	2.5	11.3	6.0	3.9	15.9	9	5	17
5:15-5:30 PM	11.5	1.1	16.1	13.9	2.0	17.0	16	2	18
5:30-5:45 PM	15.9	1.7	13.1	17.0	3.9	20.0	17	4	22
5:45-1:00 PM	14.9	2.9	4.8	16.0	4.8	6.0	16	5	7
6:00-6:15 PM	14.0	2.7	8.8	15.9	4.9	12.0	18	6	12
6:15-6:30 PM	12.1	5.6	12.7	14.0	7.0	13.9	15	8	15
6:30-6:45 PM	18.1	4.2	13.9	19.0	7.0	15.0	20	8	16
6:45-7:00 PM	17.7	5.2	14.7	18.9	7.8	16.0	20	9	18
Highest Value	18.1	16.5	16.8	19.0	17.9	20.0	20	18	22
Notes: ¹ 85th percentile = The queue will be less than the queue shown 85% of the time.									

Attachment D

Traffic Management Plan

RESTAURANT DRIVETHRU AND PARKING FLOW
C721 Fairfield, CA
NRO Date:



RESTAURANT:

NRO DATE:



APPROVALS/FINAL:

□ AREA

REGION

☐ DIVISION

☐ TRAFFIC COMMITTEE

FLOW INDICATORS

TRAFFIC DIRECTION

Drive Thru →
Counter →
Exit →

CAR COUNTS



DIRECTIONAL SIGNAGE



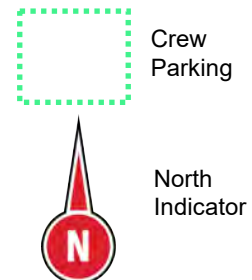
TRAFFIC CONTROL



TENT LOCATIONS



OTHER DETAILS



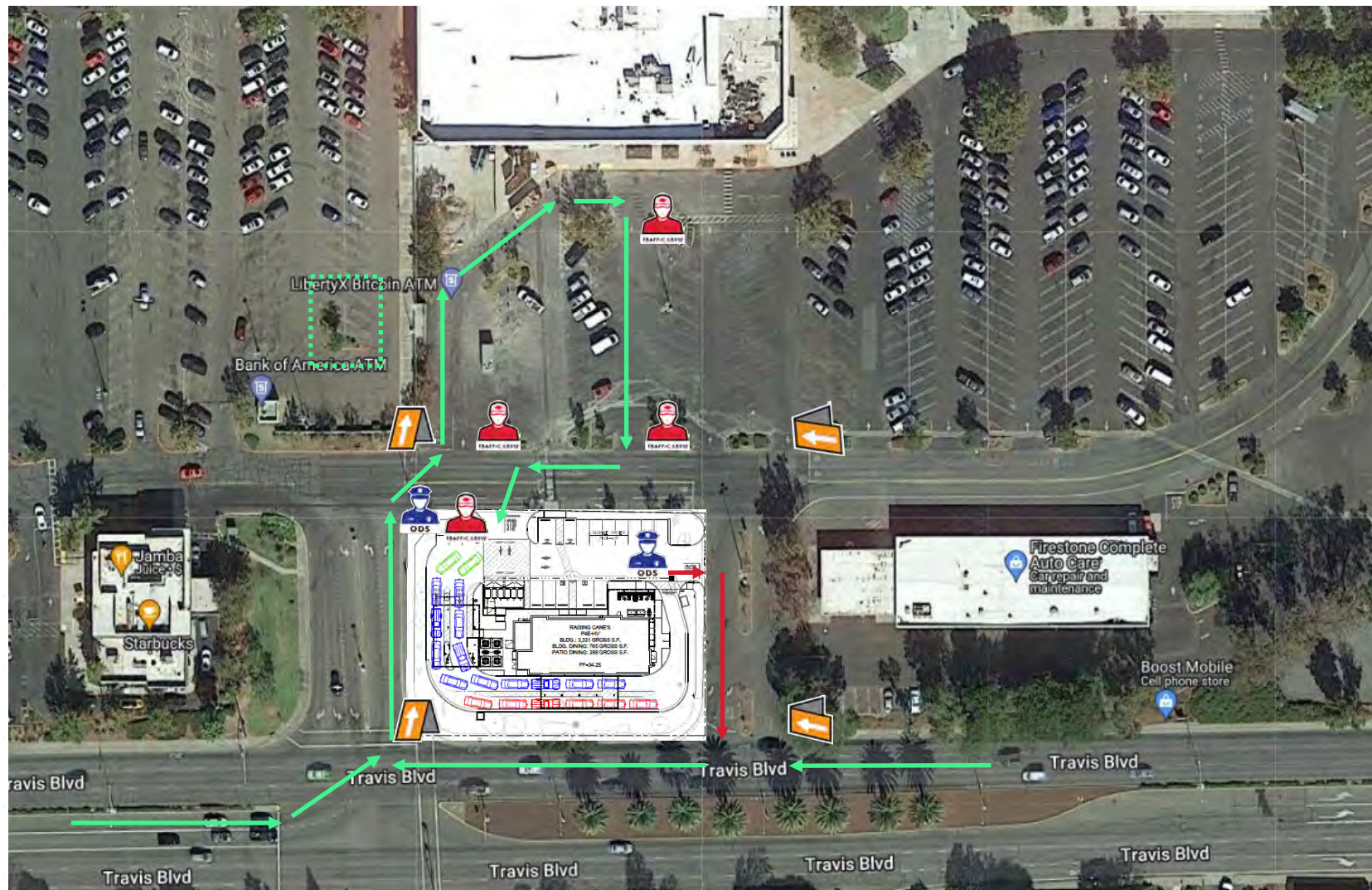
ADDITIONAL SUPPORT NEEDS

- Goal is to keep one point of entry from Travis Blvd and one exit onto Travis Blvd.
- Entering west bound traffic will be directed to main entrance on west side of building and keep traffic exiting drive-thru to closet curb cut on east side of building.
- Because there are other cross access points from other mall entrances, directional signage and traffic control crew/off duty officers will direct traffic to queuing points.

RESTAURANT: **C721 Fairfield**

NRO DATE: _____

APPROVALS/FINAL: ☐ AREA ☐ REGION ☐ DIVISION ☐ TRAFFIC COMMITTEE



FLOW INDICATORS

TRAFFIC DIRECTION

Drive Thru 
Counter 
Exit 

CAR COUNTS

25 **100**

DIRECTIONAL SIGNAGE



TRAFFIC CONTROL



TENT LOCATIONS



OTHER DETAILS



ADDITIONAL SUPPORT NEEDS

- Goal is to keep one point of entry from Travis Blvd and one exit onto Travis Blvd.
- Entering west bound traffic will be directed to main entrance on west side of building and keep traffic exiting drive-thru to closet curb cut on east side of building.
- Because there are other cross access points form other mall entrances, directional signage and traffic control crew/off duty officers will direct traffic to queuing points.

Attachment E

Queuing Calculations

DRIVE-THROUGH QUEUING ANALYSIS

Project: Raising Cane's Restaurant
Location: 1420 Travis Blvd, Fairfield, CA

INPUT VALUES

Variable	Description	Value
A =	average number of vehicle arrivals per hour ¹	79
S =	service rate, number of vehicles per hour	87
I =	traffic intensity, utilization factor = A/S	0.91
Q =	queue capacity (vehicles)	20

FORMULAS

Average Length of Queue	
$\text{Avg } Q = A^2 / S(S-A) = I^2 / 1-I$	8.97
Probability of Q Number of Vehicles in Queue	
$P(Q) = (I)^Q (1-I)$	1.34%
Probability of Queue Exceeding Q Vehicles	
$\sum_{Q=0}^{Q=a} P(Q) \geq 0.95$	13.19%

¹ For a worst-case analysis, the peak arrival rate observed at the Orange Raising Cane's site is used here.

Source: Institute of Transportation Engineers (ITE)
 Transportation Planning Handbook, 3rd Edition

Appendix B

Air Quality and Greenhouse Gas Modeling Results

Raising Canes Custom 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. Site Preparation (2024) - Unmitigated
 - 3.2. Site Preparation (2024) - Mitigated

3.3. Grading (2024) - Unmitigated

3.4. Grading (2024) - 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

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

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Raising Canes
Construction Start Date	10/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	32.8
Location	37.14744893571617, -121.66039491153171
County	Santa Clara
City	Morgan Hill
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1909
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
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
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Fast Food Restaurant with Drive Thru	2.90	1000sqft	0.07	2,899	25,749	—	—	—
Parking Lot	50.0	Space	1.67	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Water	W-7	Adopt a Water Conservation Strategy

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.	1.44	1.62	9.85	11.2	0.02	0.36	0.02	0.37	0.33	< 0.005	0.33	—	1,960	1,960	0.08	0.02	0.08	1,968
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.01	1.69	16.1	15.9	0.02	0.75	7.20	7.94	0.69	3.45	4.14	—	2,662	2,662	0.11	0.04	0.02	2,678
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	0.68	4.47	5.10	0.01	0.17	0.99	1.09	0.16	0.47	0.57	—	886	886	0.04	0.01	0.04	890
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.12	0.12	0.82	0.93	< 0.005	0.03	0.18	0.20	0.03	0.09	0.10	—	147	147	0.01	< 0.005	0.01	147
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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	1.44	1.62	9.85	11.2	0.02	0.36	0.02	0.37	0.33	< 0.005	0.33	—	1,960	1,960	0.08	0.02	0.08	1,968
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.01	1.69	16.1	15.9	0.02	0.75	7.20	7.94	0.69	3.45	4.14	—	2,662	2,662	0.11	0.04	0.02	2,678
2025	1.84	1.62	14.3	14.9	0.02	0.65	7.20	7.84	0.59	3.45	4.05	—	2,659	2,659	0.11	0.04	0.02	2,675
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.27	0.23	2.16	2.10	< 0.005	0.10	0.99	1.09	0.09	0.47	0.57	—	342	342	0.01	< 0.005	0.02	344
2025	0.64	0.68	4.47	5.10	0.01	0.17	0.50	0.68	0.16	0.24	0.40	—	886	886	0.04	0.01	0.04	890
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.05	0.04	0.39	0.38	< 0.005	0.02	0.18	0.20	0.02	0.09	0.10	—	56.7	56.7	< 0.005	< 0.005	< 0.005	56.9
2025	0.12	0.12	0.82	0.93	< 0.005	0.03	0.09	0.12	0.03	0.04	0.07	—	147	147	0.01	< 0.005	0.01	147

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	1.44	1.62	9.85	11.2	0.02	0.36	0.02	0.37	0.33	< 0.005	0.33	—	1,960	1,960	0.08	0.02	0.08	1,968

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.01	1.69	16.1	15.9	0.02	0.75	7.20	7.94	0.69	3.45	4.14	—	2,662	2,662	0.11	0.04	0.02	2,678
2025	1.84	1.62	14.3	14.9	0.02	0.65	7.20	7.84	0.59	3.45	4.05	—	2,659	2,659	0.11	0.04	0.02	2,675
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.27	0.23	2.16	2.10	< 0.005	0.10	0.99	1.09	0.09	0.47	0.57	—	342	342	0.01	< 0.005	0.02	344
2025	0.64	0.68	4.47	5.10	0.01	0.17	0.50	0.68	0.16	0.24	0.40	—	886	886	0.04	0.01	0.04	890
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.05	0.04	0.39	0.38	< 0.005	0.02	0.18	0.20	0.02	0.09	0.10	—	56.7	56.7	< 0.005	< 0.005	< 0.005	56.9
2025	0.12	0.12	0.82	0.93	< 0.005	0.03	0.09	0.12	0.03	0.04	0.07	—	147	147	0.01	< 0.005	0.01	147

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.	4.62	4.42	2.73	28.5	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.7	6,468	6,488	2.32	0.27	28.6	6,656
Mit.	4.62	4.42	2.73	28.5	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.6	6,467	6,487	2.31	0.27	28.6	6,655
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.40	4.17	3.18	27.8	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.7	6,099	6,119	2.37	0.30	5.16	6,274
Mit.	4.40	4.17	3.18	27.8	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.6	6,099	6,118	2.36	0.30	5.16	6,273
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.99	3.86	2.14	18.8	0.03	0.03	2.95	2.98	0.03	0.75	0.78	19.7	3,537	3,557	2.29	0.20	10.1	3,685
Mit.	3.99	3.86	2.14	18.8	0.03	0.03	2.95	2.98	0.03	0.75	0.78	19.6	3,536	3,556	2.28	0.20	10.1	3,684
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.73	0.70	0.39	3.44	0.01	0.01	0.54	0.54	0.01	0.14	0.14	3.26	586	589	0.38	0.03	1.68	610
Mit.	0.73	0.70	0.39	3.44	0.01	0.01	0.54	0.54	0.01	0.14	0.14	3.25	585	589	0.38	0.03	1.68	610
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

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	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
Area	0.02	0.10	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	236
Water	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	4.62	4.42	2.73	28.5	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.7	6,468	6,488	2.32	0.27	28.6	6,656
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
Area	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	236
Water	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	4.40	4.17	3.18	27.8	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.7	6,099	6,119	2.37	0.30	5.16	6,274
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.96	3.76	2.03	18.7	0.03	0.02	2.95	2.98	0.02	0.75	0.77	—	3,298	3,298	0.29	0.20	5.61	3,370
Area	0.01	0.09	< 0.005	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.26	0.26	< 0.005	< 0.005	—	0.26
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	236
Water	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	3.99	3.86	2.14	18.8	0.03	0.03	2.95	2.98	0.03	0.75	0.78	19.7	3,537	3,557	2.29	0.20	10.1	3,685
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558
Area	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.8	38.8	< 0.005	< 0.005	—	39.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.28	0.65	0.93	0.03	< 0.005	—	1.86
Waste	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Total	0.73	0.70	0.39	3.44	0.01	0.01	0.54	0.54	0.01	0.14	0.14	3.26	586	589	0.38	0.03	1.68	610

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	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
Area	0.02	0.10	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Energy	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	235
Water	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	4.62	4.42	2.73	28.5	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.6	6,467	6,487	2.31	0.27	28.6	6,655
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
Area	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	235
Water	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	4.40	4.17	3.18	27.8	0.06	0.05	5.59	5.63	0.05	1.42	1.46	19.6	6,099	6,118	2.36	0.30	5.16	6,273
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.96	3.76	2.03	18.7	0.03	0.02	2.95	2.98	0.02	0.75	0.77	—	3,298	3,298	0.29	0.20	5.61	3,370
Area	0.01	0.09	< 0.005	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.26	0.26	< 0.005	< 0.005	—	0.26
Energy	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.03	< 0.005	—	235
Water	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Waste	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53

Total	3.99	3.86	2.14	18.8	0.03	0.03	2.95	2.98	0.03	0.75	0.78	19.6	3,536	3,556	2.28	0.20	10.1	3,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558
Area	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.7	38.7	< 0.005	< 0.005	—	38.9
Water	—	—	—	—	—	—	—	—	—	—	—	0.27	0.62	0.88	0.03	< 0.005	—	1.77
Waste	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Total	0.73	0.70	0.39	3.44	0.01	0.01	0.54	0.54	0.01	0.14	0.14	3.25	585	589	0.38	0.03	1.68	610

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	13.7	12.9	0.02	0.65	—	0.65	0.59	—	0.59	—	2,064	2,064	0.08	0.02	—	2,071
Dust From Material Movement	—	—	—	—	—	—	6.26	6.26	—	3.00	3.00	—	—	—	—	—	—	—
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	0.19	0.16	1.50	1.42	< 0.005	0.07	—	0.07	0.07	—	0.07	—	226	226	0.01	< 0.005	—	227
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.33	0.33	—	—	—	—	—	—	—
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	0.03	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.4	37.4	< 0.005	< 0.005	—	37.6
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.06	0.06	—	—	—	—	—	—	—
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	0.03	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.7	60.7	< 0.005	< 0.005	0.01	61.5
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.83
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
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. Site Preparation (2024) - 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	1.70	1.43	13.7	12.9	0.02	0.65	—	0.65	0.59	—	0.59	—	2,064	2,064	0.08	0.02	—	2,071
Dust From Material Movement	—	—	—	—	—	—	6.26	6.26	—	3.00	3.00	—	—	—	—	—	—	—
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	0.19	0.16	1.50	1.42	< 0.005	0.07	—	0.07	0.07	—	0.07	—	226	226	0.01	< 0.005	—	227
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.33	0.33	—	—	—	—	—	—	—

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	0.03	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.4	37.4	< 0.005	< 0.005	—	37.6
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.06	0.06	—	—	—	—	—	—	—
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	0.03	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.7	60.7	< 0.005	< 0.005	0.01	61.5
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.83
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
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. Grading (2024) - 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	1.96	1.65	15.9	15.4	0.02	0.74	—	0.74	0.68	—	0.68	—	2,454	2,454	0.10	0.02	—	2,462
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	0.08	0.07	0.65	0.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	—	0.29	0.29	—	0.14	0.14	—	—	—	—	—	—	—
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	0.12	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.7	16.7	< 0.005	< 0.005	—	16.8

Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
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	0.04	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.0	81.0	< 0.005	< 0.005	0.01	82.1
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	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	128	128	0.01	0.02	0.01	134
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	—	3.36	3.36	< 0.005	< 0.005	0.01	3.41
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.25	5.25	< 0.005	< 0.005	< 0.005	5.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.91

3.4. Grading (2024) - 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	1.96	1.65	15.9	15.4	0.02	0.74	—	0.74	0.68	—	0.68	—	2,454	2,454	0.10	0.02	—	2,462
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	0.08	0.07	0.65	0.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	—	0.29	0.29	—	0.14	0.14	—	—	—	—	—	—	—
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	0.12	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.7	16.7	< 0.005	< 0.005	—	16.8
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.03	0.03	—	—	—	—	—	—	—
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	0.04	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.0	81.0	< 0.005	< 0.005	0.01	82.1
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	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	128	128	0.01	0.02	0.01	134
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	—	3.36	3.36	< 0.005	< 0.005	0.01	3.41
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.25	5.25	< 0.005	< 0.005	< 0.005	5.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.91

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463

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	0.12	0.10	0.96	0.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	168	168	0.01	< 0.005	—	169
Dust From Material Movement	—	—	—	—	—	—	0.49	0.49	—	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	0.18	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.03	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.4	79.4	< 0.005	< 0.005	0.01	80.5
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	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	125	125	0.01	0.02	0.01	132

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	0.01	5.58
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	—	8.59	8.59	< 0.005	< 0.005	0.01	9.02
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.42	1.42	< 0.005	< 0.005	< 0.005	1.49

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463
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	0.12	0.10	0.96	0.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	168	168	0.01	< 0.005	—	169

Dust From Material Movement	—	—	—	—	—	—	0.49	0.49	—	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	0.18	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.03	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.4	79.4	< 0.005	< 0.005	0.01	80.5
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	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	125	125	0.01	0.02	0.01	132
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	0.01	5.58
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	—	8.59	8.59	< 0.005	< 0.005	0.01	9.02
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.42	1.42	< 0.005	< 0.005	< 0.005	1.49
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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	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
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	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
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	0.42	0.35	2.94	3.30	0.01	0.11	—	0.11	0.10	—	0.10	—	592	592	0.02	< 0.005	—	594
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	0.08	0.06	0.54	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98.0	98.0	< 0.005	< 0.005	—	98.4
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.04	10.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.03	13.4
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	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.80
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	< 0.005	13.4
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	—	3.21	3.21	< 0.005	< 0.005	0.01	3.26
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.22	4.22	< 0.005	< 0.005	< 0.005	4.41
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	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.54
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.73
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

3.8. 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	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
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	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
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	0.42	0.35	2.94	3.30	0.01	0.11	—	0.11	0.10	—	0.10	—	592	592	0.02	< 0.005	—	594
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	0.08	0.06	0.54	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98.0	98.0	< 0.005	< 0.005	—	98.4
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.04	10.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.03	13.4
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	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.80

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	< 0.005	13.4
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	—	3.21	3.21	< 0.005	< 0.005	0.01	3.26
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.22	4.22	< 0.005	< 0.005	< 0.005	4.41
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	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.54
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.73
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

3.9. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.03	0.25	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	54.3	54.3	< 0.005	< 0.005	—	54.5
Paving	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.00	9.00	< 0.005	< 0.005	—	9.03
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	99.2	99.2	< 0.005	< 0.005	0.01	101
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	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	0.01	5.58
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	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
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

3.10. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.03	0.25	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	54.3	54.3	< 0.005	< 0.005	—	54.5
Paving	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.00	9.00	< 0.005	< 0.005	—	9.03
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	99.2	99.2	< 0.005	< 0.005	0.01	101
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	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	0.01	5.58
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	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
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

3.11. 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
Architect ural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	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
Architect ural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.29	0.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.9	43.9	< 0.005	< 0.005	—	44.0
Architect ural Coatings	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.27	7.27	< 0.005	< 0.005	—	7.29
Architect ural Coatings	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.09	2.09	< 0.005	< 0.005	0.01	2.12
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	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.96
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.65
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	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11
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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	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
Architect ural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.29	0.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.9	43.9	< 0.005	< 0.005	—	44.0
Architect ural Coatings	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.27	7.27	< 0.005	< 0.005	—	7.29
Architect ural Coatings	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.09	2.09	< 0.005	< 0.005	0.01	2.12
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	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.96
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.65
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	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fast Food Restaurant with Drive Thru	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
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	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
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	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558
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	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
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	4.59	4.31	2.62	28.3	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	6,229	6,229	0.31	0.27	24.1	6,341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
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	4.39	4.09	3.08	27.7	0.06	0.04	5.59	5.63	0.04	1.42	1.45	—	5,861	5,861	0.37	0.30	0.62	5,959
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558
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	0.72	0.69	0.37	3.41	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	—	546	546	0.05	0.03	0.93	558

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	73.5	73.5	0.01	< 0.005	—	74.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	0.01	< 0.005	—	36.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.02	< 0.005	—	110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	73.5	73.5	0.01	< 0.005	—	74.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	0.01	< 0.005	—	36.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.02	< 0.005	—	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.90	5.90	< 0.005	< 0.005	—	5.95

Total	—	—	—	—	—	—	—	—	—	—	—	—	18.1	18.1	< 0.005	< 0.005	—	18.2
-------	---	---	---	---	---	---	---	---	---	---	---	---	------	------	---------	---------	---	------

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	73.0	73.0	0.01	< 0.005	—	73.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	0.01	< 0.005	—	36.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.02	< 0.005	—	110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	73.0	73.0	0.01	< 0.005	—	73.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	0.01	< 0.005	—	36.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.02	< 0.005	—	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	< 0.005	< 0.005	—	12.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.90	5.90	< 0.005	< 0.005	—	5.95
Total	—	—	—	—	—	—	—	—	—	—	—	—	18.0	18.0	< 0.005	< 0.005	—	18.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126
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	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126
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	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.8	20.8	< 0.005	< 0.005	—	20.8
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	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.8	20.8	< 0.005	< 0.005	—	20.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125
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	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125
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	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.7	20.7	< 0.005	< 0.005	—	20.8
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	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.7	20.7	< 0.005	< 0.005	—	20.8

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	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Total	0.02	0.10	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Total	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04

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	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.02	0.02	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Total	0.02	0.10	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Total	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.69	3.94	5.63	0.17	< 0.005	—	11.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.28	0.65	0.93	0.03	< 0.005	—	1.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.28	0.65	0.93	0.03	< 0.005	—	1.86

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.61	3.72	5.34	0.17	< 0.005	—	10.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.27	0.62	0.88	0.03	< 0.005	—	1.77
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.27	0.62	0.88	0.03	< 0.005	—	1.77

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.0	0.00	18.0	1.80	0.00	—	63.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.98	0.00	2.98	0.30	0.00	—	10.4

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.53	4.53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	------	------

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Site Preparation	Site Preparation	10/16/2024	12/10/2024	5.00	40.0	—
Grading	Grading	12/11/2024	2/4/2025	5.00	40.0	—
Building Construction	Building Construction	3/5/2025	8/19/2025	5.00	120	—
Paving	Paving	2/5/2025	3/4/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	3/19/2025	9/2/2025	5.00	120	—

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
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56

Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
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	1.75	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.22	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	0.48	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	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	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.24	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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
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	1.75	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.22	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	0.48	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	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	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.24	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

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	4,349	1,450	4,365

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 (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	0.50	0.00	—
Grading	0.00	560	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.67

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
Fast Food Restaurant with Drive Thru	0.00	0%

Parking Lot	1.67	100%
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5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005
2025	0.00	204	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
Fast Food Restaurant with Drive Thru	1,355	1,355	1,355	494,657	2,816	7,919	7,919	1,560,078
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
Fast Food Restaurant with Drive Thru	1,355	1,355	1,355	494,657	2,816	7,919	7,919	1,560,078
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	4,349	1,450	4,365

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)
Fast Food Restaurant with Drive Thru	131,553	204	0.0330	0.0040	391,136
Parking Lot	63,725	204	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)
Fast Food Restaurant with Drive Thru	130,618	204	0.0330	0.0040	390,428
Parking Lot	63,725	204	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)
Fast Food Restaurant with Drive Thru	879,944	275,268
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Fast Food Restaurant with Drive Thru	842,107	244,988
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Fast Food Restaurant with Drive Thru	33.4	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Fast Food Restaurant with Drive Thru	33.4	—
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
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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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)
-----------	--------	------------------------------	------------------------------

8. User Changes to Default Data

Screen	Justification
Land Use	Land use adjustments based on project specific information provided by project applicant.
Construction: Construction Phases	Phase timing based on applicant provided AQ Questionnaire. Based on typical construction practices, architectural coating assumed to start two weeks after the start of building construction and last for the same number of days
Operations: Vehicle Data	Based on project specific trip generation provided by Hexagon.
Construction: Dust From Material Movement	Soil export assumptions provided by project applicant.

Appendix C

Geotechnical Engineering Report

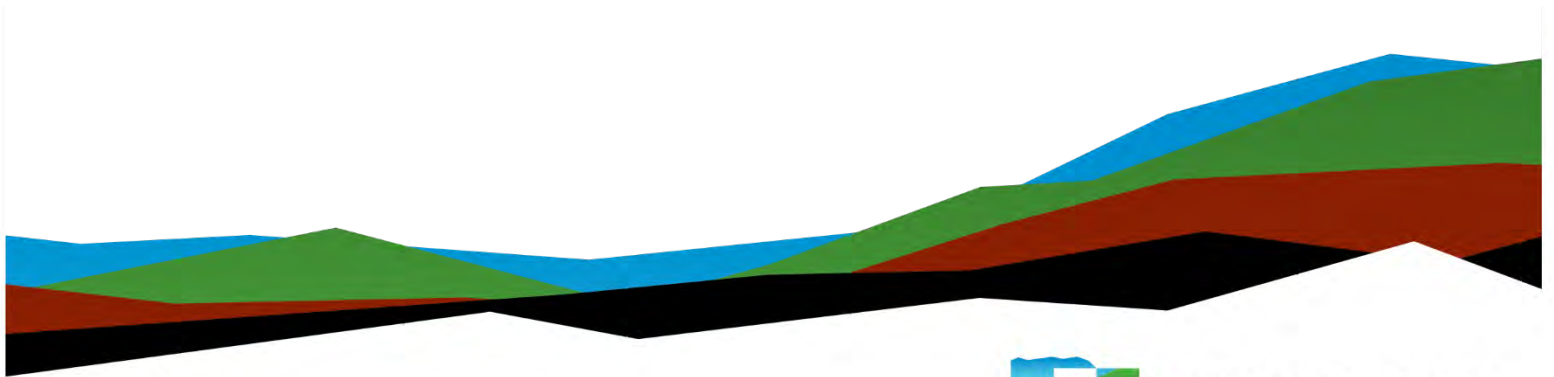
Raising Cane's C991

Geotechnical Engineering Report

January 13, 2022 | Terracon Project No. ND225125

Prepared for:

Raising Cane's Restaurants LLC
6800 Bishop Road
Plano, Texas 75024-4274



Nationwide

Terracon.com

■ Facilities
■ Environmental
■ Geotechnical
■ Materials

Page 405 of 1374



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January 13, 2022

Raising Cane's Restaurants LLC
6800 Bishop Road
Plano, Texas 75024-4274

Attn: Jay Higgins/Kristen Roberts
P: (805) 637-6670
E: jayd@higginsland.com

Re: Geotechnical Engineering Report
Raising Cane's C991
Butterfield Blvd and Cochrane Rd
Morgan Hill, Santa Clara County, CA
Terracon Project No. ND225125

Dear Mr. Higgins:

We have completed the scope of Geotechnical Engineering services for the above referenced project in general accordance with Terracon Proposal No. PND225125 dated November 10, 2022. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations, floor slabs, and pavements for the proposed project.

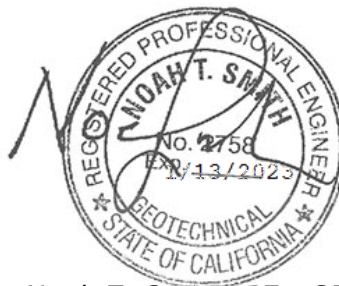
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,

Terracon

A handwritten signature in black ink that reads 'Nick Jamison'.

Nicholas Jamison
Field Geologist



Noah T. Smith, PE., GE.
Principal

Table of Contents

Report Summary	2
Introduction.....	2
Project Description.....	3
Site Conditions	4
Geotechnical Characterization	5
Groundwater Conditions.....	6
Geologic Hazards.....	6
Faulting and Estimated Ground Motions.....	7
Liquefaction	7
Seismic Considerations.....	8
Percolation / Infiltration	10
Corrosivity	11
Geotechnical Overview	12
Earthwork	12
Site Preparation.....	13
Subgrade Preparation	13
Soil Stabilization.....	14
Fill Material Types	15
Fill Placement and Compaction Requirements	17
Utility Trench Backfill	17
Grading and Drainage.....	18
Earthwork Construction Considerations	19
Construction Observation and Testing	20
Shallow Foundations	21
Design Parameters – Compressive Loads	22
Design Parameters – Overturning and Uplift Loads.....	23
Foundation Construction Considerations	23
Floor Slabs	24
Floor Slab Design Parameters	25
Floor Slab Construction Considerations.....	26
Pavements	26
General Pavement Comments	26
Pavement Design Parameters	27
Pavement Section Thicknesses.....	28
Pavement Maintenance	29
General Comments	30

Figures

GeoModel

Attachments

Exploration and Testing Procedures

Site Location and Exploration Plans

Exploration and Laboratory Results

Supporting Information

Note: This report was originally delivered in a web-based format. **Blue Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the  Terracon logo will bring you back to this page. For more interactive features, please view your project online at client.terracon.com.

Refer to each individual Attachment for a listing of contents.

Report Summary

Topic ¹	Overview Statement ²
Project Description	The project will consist of the construction of an approximately 2,899 square foot Raising Cane's restaurant building, a drive-thru with a canopy, a menu sign, trash enclosure, hardscape, paved parking and drive, and landscaping. Estimated maximum loads: ■ Column: 40 to 80 kips ■ Walls: 1 to 2 kips per linear foot (klf)
Geotechnical Characterization	Subgrade soil conditions in our borings generally consisted of medium dense to very dense gravels with variable amounts of sand, silt, and clay with interbedded layers of medium dense to dense silty sand and poorly graded sand to the maximum depth explored of 21½ feet below existing grade (bgs). Approximately 2 feet of medium dense clayey sand FILL was encountered at the surface of boring B-01 and practical auger refusal was encountered at a depth of 6½ feet bgs in boring B-03. Free water was encountered in boring B-04 at a depth of 2½ feet bgs at the time of our field exploration.

Topic ¹	Overview Statement ²
Earthwork	Preliminary grading plans were not available for review at the time this report was prepared. We have assumed site grades will generally remain the same as existing at the time this report was prepared and that cuts and fills on the order of 2 feet or less will be required to develop final grades. Grading should be conducted in accordance with the Earthwork section of this report.
Shallow Foundations	Shallow foundations are recommended for the building and drive-thru canopy support. Allowable bearing pressure = 4,000 psf Expected settlements: < 1-inch total, < 1/2-inch differential over 50 feet
Pavements	Pavement sections are provided for both rigid and flexible pavements.
General Comments	This section contains important information about the limitations of this geotechnical engineering report.

1. If the reader is reviewing this report as a pdf, the topics above can be used to access the appropriate section of the report by simply clicking on the topic itself.
2. This summary is for convenience only. It should be used in conjunction with the entire report for design purposes.

Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed Raising Cane's Restaurant, to be located at the corner of Butterfield Blvd and Cochrane Rd in Morgan Hill, Santa Clara County, CA. The purpose of these services was to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Seismic site classification per the 2022 California Building Code (CBC)
- Site preparation and earthwork
- Foundation design and construction
- Floor slab design and construction
- Pavement design and construction
- Stormwater detention considerations

The geotechnical engineering Scope of Services for this project included the advancement of test borings, percolation testing, laboratory testing, engineering analysis, and preparation of this report.

Drawings showing the site and boring locations are presented on the [Site Location](#) and [Exploration Plan](#), respectively. The results of the laboratory testing performed on soil samples obtained from the site during our field exploration are included on the boring logs and/or as separate graphs in the [Exploration Results](#) section.

Project Description

Our initial understanding of the project was provided in our proposal and was discussed during project planning. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

Item	Description
Information Provided	An email request for proposal was provided by Trey Lay (CSRS) on November 3, 2022. The request included a Site Plan; a Context Site Plan; a conceptual plan with existing and proposed utility locations; a Dry Utility Due Diligence Report, prepared by E4 Utility Design, dated September 8, 2022; and a site plan with preferred percolation test locations, prepared by Kimley-Horn.
Project Description	The project will consist of the construction of a Raising Cane's Restaurant with associated vehicle access, parking, and landscaped areas. A drive-thru canopy will also be included in the project. Some type of storm water control system will be included (e.g., bioswales or basins).
Proposed Structure	Structures associated with the project include a 2,899 square foot, single-story restaurant building a 4-car canopy on the northeast side of the building covering a portion of the drive-thru.
Building Construction	The building will be wood-framed with a concrete slab-on-grade floor. We anticipate the canopy will consist of steel frame.
Finished Floor Elevation	Preliminary plans were not available for review at the time this report was prepared. We have assumed the finished floor elevation will be within 2 feet of existing grades.
Maximum Loads	The following loads were used in estimating settlement based on our experience with similar project: ■ Columns: 40 to 80 kips ■ Walls: 1 to 2 kips per linear foot (klf)

Item	Description
Grading	A preliminary grading plan was not available for review at the time this report was prepared. We have assumed cuts and fills on the order of 2 feet or less will be required to develop final grade.
Pavements	We understand both rigid (concrete) and flexible (asphalt) pavement sections will be considered. Anticipated Traffic Indices (Tis) are as follows: ■ Auto Parking Areas: TI = 5.0 ■ Auto Road: TI = 5.5 ■ Truck Parking Areas: TI = 6.0 ■ Truck Ramps and Roads: TI = 8.0 Anticipated Average Daily Truck Traffic (ADTT) for rigid pavements: ■ Car Parking and Access Lanes: ADTT = 1 (Category A) ■ Truck Parking: ADTT = 25 (Category B) ■ Garbage/Fire Truck Lanes & Dumpster Pads: Per Category E The pavements design period is 20 years.
Building Code	2022 California Building Code (CBC)

Terracon should be notified if any of the above information is inconsistent with the planned construction as modifications to our recommendations may be necessary.

Site Conditions

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
Parcel Information	The project is located at the southeast corner of Butterfield Blvd and Cochrane Rd in Morgan Hill, Santa Clara County, CA. Assessor Parcel Numbers (APN): 726-58-001 and 726-58-002 The project area is approximately 1.96 acres Latitude/Longitude (approximate) 37.1475°N, 121.6604°W See Site Location
Existing Improvements	The site has been mass graded in anticipation of retail development.

Item	Description
Current Ground Cover	Earthen with light vegetation
Existing Topography	The site is relatively flat.

Geotechnical Characterization

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting, and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical calculations and evaluation of the site. Conditions observed at each exploration point are indicated on the individual logs. The individual logs can be found in the [Exploration Results](#) and the GeoModel can be found in the [Figures](#) attachment of this report.

As part of our analyses, we identified the following model layers within the subsurface profile. For a more detailed view of the model layer depths at each boring location, refer to the GeoModel.

Model Layer	Layer Name	General Description
1	FILL	Medium dense clayey sand
2	Poorly graded GRAVEL	Medium dense to dense gravel with variable amounts of sand, clay, and silt
3	Silty GRAVEL	Medium dense to very dense gravel with variable amounts of sand, clay, and silt
4	Poorly graded SAND	Medium dense to dense sand with variable amounts of gravel and fines
5	Silty SAND	Dense sand with variable amounts of gravel, clays, and silt

Practical auger refusal was encountered in Boring B-03 at a depth of 6½ feet bgs. Refusal is defined as the depth below the ground surface at which a boring can no longer be advanced with the soil drilling technique being used. Refusal is subjective and is based upon the type of drilling equipment used, the types of augers used, and the effort exerted by the driller. We anticipate refusal was encountered on a layer of very dense gravel.

Groundwater Conditions

The boreholes were observed while drilling and after completion for the presence and level of groundwater. The water levels observed in the boreholes can be found on the boring logs in [Exploration Results](#) and are summarized below.

Boring Number	Approximate Depth to Free water while Drilling / Testing ¹ (feet)	Approximate Depth to Free water immediately after Drilling ¹ (feet)
B-04	2½	2½

1. Below ground surface.

Water was not encountered in the remaining borings at the time of our field exploration. Based on our observations in the other six (6) borings, as well as our experience in the area, we believe the free water encountered in Boring B-04 is water from recent rain events perched above a dense silty sand with gravel layer. The Seismic Hazard Zone Report (096) for the Morgan Hill 7.5-Minute Quadrangle, Santa Clara County, California indicates the historical high groundwater level in the vicinity of the site is about 30 to 40 feet bgs.

Groundwater conditions may change because of seasonal variations in rainfall, runoff, and other conditions not apparent at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

Geologic Hazards

According to published maps¹, the site is underlain by Holocene-age alluvial gravel, sand, and clay soil of valley areas. The subgrade soils encountered in our borings were generally consistent with mapped geology.

¹ Dibblee, T.W., and Minch, J.A. (2005); *Geologic map of the San Jose East quadrangle, Santa Clara County, California*; Dibblee Geologic Foundation; Dibblee Foundation Map DF-155; Scale 1:24,000.

Faulting and Estimated Ground Motions

The site is located in the San Francisco Bay area of California, which is a relatively high seismicity region. The type and magnitude of seismic hazards affecting the site are dependent on the distance to causative faults, the intensity, and the magnitude of the seismic event. The following table indicates the distance of the fault zones and the associated maximum credible earthquake that can be produced by nearby seismic events, as calculated using the USGS Unified Hazard Tool. Segments of the Calaveras fault, which is located approximately 7½ kilometers from the site, are considered to have the most significant effect at the site from a design standpoint.

Fault Name	Approximate Contribution (%)	Approximate Distance to Site (kilometers)	Maximum Credible Earthquake (MCE) Magnitude
UC33brAvg_FM31: Calaveras (Central) [3]	24.6	7.64	7.13
UC33br_FM32: Calaveras (Central) [3]	25.0	7.64	7.13

Based on the ASCE 7-16 Standard, the peak ground acceleration (PGA_M) at the subject site is approximately 0.836g. Based on the USGS 2014 interactive deaggregations, the PGA at the subject site for a 2% probability of exceedance in 50 years (return period of 2475 years) is expected to be about 1.014g. The site is not located within an Alquist-Priolo Earthquake Fault Zone based on our review of the State Fault Hazard Maps.¹

Liquefaction

Liquefaction is a mode of ground failure that results from the generation of high pore water pressures during earthquake ground shaking, causing loss of shear strength. Liquefaction is typically a hazard where loose sandy soils or low plasticity fine grained soils exist below groundwater. The California Geological Survey (CGS) has designated certain areas within California as potential liquefaction hazard zones. These are areas considered at a risk of liquefaction-related ground failure during a seismic event, based

¹ California Geological Survey (CGS), "California Earthquakes Hazards Zone Application (EQ Zapp)", September 23, 2021, <https://maps.conservation.ca.gov/cgs/EQZApp/app/>.

upon mapped surficial deposits and the presence of a relatively shallow water table. The project site and surrounding area is not located within a liquefaction hazard zone designated as having susceptibility to liquefaction. Therefore, a liquefaction analysis was not performed

Seismic Considerations

The 2022 California Building Code (CBC) Seismic Design Parameters have been generated using the SEAOC/OSHPD Seismic Design Maps Tool. This web-based software application calculates seismic design parameters in accordance with ASCE 7, and 2022 CBC. The 2022 CBC requires that a site-specific ground motion study be performed in accordance with Section 11.4.8 of ASCE 7 for Site Class D sites with a mapped S_s value greater than or equal 0.2.

However, Section 11.4.8 of ASCE 7 includes an exception from such analysis for specific structures on Site Class D sites. The commentary for Section 11 of ASCE 7 (Page 534 of Section C11 of ASCE 7) states that "In general, this exception effectively limits the requirements for site-specific hazard analysis to very tall and or flexible structures at Site Class D sites." Based on our understanding of the proposed structures, it is our assumption that the exception in Section 11.4.8 applies to the proposed structure. However, the structural engineer should verify the applicability of this exception.

Based on this exception, the spectral response accelerations presented below were calculated using the site coefficients (F_a and F_v) from Tables 1613.2.3(1) and 1613.2.3(2) presented in Section 16.4.4 of the 2022 CBC.

Description	Value
2022 California Building Code (CBC) Site Classification ¹	D ²
Site Latitude ³	37.1475°
Site Longitude ³	-121.6604°
S _s , Spectral Acceleration for a Short Period ⁴	1.671
S ₁ , Spectral Acceleration for a 1-Second Period ⁴	0.611
F _a , Site Coefficient ⁴	1.2
F _v , Site Coefficient (1-Second Period) ⁴	1.7
S _{DS} , Spectral Acceleration for a Short Period ⁴	1.337
S _{D1} , Spectral Acceleration for a 1-Second Period ⁴	0.692

1. Seismic site soil classification in general accordance with the *2022 California Building Code*, which refers to ASCE 7. Site Classification is required to determine the Seismic Design Category for a structure.
2. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the CBC. Subsurface explorations at this site were extended to a maximum depth of approximately 21½ feet bgs and standard penetration resistance values were used to determine the Site Classification. The site properties below the maximum exploration depth to 100 feet were estimated based on our experience and knowledge of geologic conditions of the general area. Additional deeper exploration or geophysical testing may be performed to confirm the conditions below the current maximum depth of exploration.
3. Provided coordinates represent a point located at the general center of the site.
4. These Values were obtained using online seismic design maps and tools provided by SEAOC/OSHPD (<https://www.seismicmaps.org/>)

Typically, a site-specific ground motion study may reduce construction costs. We recommend consulting with a structural engineer to evaluate the need for such a study and its potential impact on construction costs. Terracon should be contacted if a site-specific ground motion study is desired.

Percolation / Infiltration

We performed two percolation tests within the proposed site development for use by the project civil engineer in the design of the storm water retention system. The percolation tests were performed using borings B-05 and B-06 drilled to a depth of about 6½ feet bgs. The approximate locations of the test holes are shown on the [Exploration Plan](#).

After drilling the test holes, we placed approximately 2 inches of gravel in the bottom of each hole, then placed a slotted PVC pipe in each hole, and filled the annular space around the pipe with gravel. The test holes were filled with water and left to saturate for a minimum 24 hours. We then filled the shallow holes with water to depths ranging from about 3 feet and measured the drop-in water surface over a period varying from approximately 15 minutes to 1 hour depending on the hole, refilling the holes as necessary to maintain the desired head.

The measured percolation rates and calculated infiltration rates are summarized in the following table.

Perc. Test Location	Depth (ft)	Avg. Head (ft)	Perc. Rate (min / inch)	Perc. Rate (inch / hr)	Infiltration Rate (inch / hr)
B-05	6½	4.40	25.3	2.19	1.84
B-06	6½	6.32	400	0.15	0.13

Since we used test borings to perform percolation testing, we have used the Porchet formula (aka Inverse Borehole Formula) to calculate the test infiltration rate which takes into account sidewall area of the bore hole. Storm water runoff may likely contain materials such as silt, leaves, oil residues, and other matter that may reduce the percolation characteristics of the soil. We therefore recommend that a filtration system be implemented into the design and installed. An appropriate safety factor should be applied to the measured infiltration rates by the designer for use in design and be based on the amount of filtration designed into the system, at a minimum a Safety Factor of 2 shall be utilized. The values above are clear water rates and do not have a safety factor applied. In addition, we recommend a regular maintenance program be implemented to monitor the storm drainage/filtration system prior to the beginning of each wet weather season.

We have provided the following considerations for the design and construction of the retention/detention facilities. Planned retention/detention facilities should be located no closer than 10 feet to structural site improvements.

The long-term infiltration rates will depend on many factors, and can vary or be reduced if the following conditions are present:

- Fill placement,
- Variability of site soils,
- Fine layering of soils, or
- Maintenance and pre-treatment (filtration) of the influent are not performed regularly

Fill Placement: We anticipate earthwork required to develop the site may consist of cuts and fills of 2 feet or less. It is unknown whether final grades will consist of native material or imported fill. As a result, the percolation tests performed may not be representative of the final soil conditions depending on the blend of soils utilized as structural fill and native soils exposed where cuts and fills are made. Additional percolation testing may be warranted following rough grading to confirm the values utilized in design are appropriate.

Subsurface Soil Variation: Variations in subsurface soil conditions can affect the infiltration rate of the receptor soils.

Construction Considerations: The infiltration rate of the receptor soils will be reduced in the event that fine sediment, organic materials, and/or oil residue are allowed to accumulate in the retention facilities. The use of a filtration system is highly recommended as well as a maintenance program.

Operation of heavy equipment during construction may densify the receptor soils below the infiltration facility. The soils exposed in the bottom of the infiltration facility should not be compacted and should remain in their native condition. This may require scarification of the soils prior to construction.

Maintenance of Facilities: Satisfactory long-term performance of an infiltration facility will require some degree of maintenance. Accumulations of sediment, organic materials, or other material that serve to reduce their permeability of the receptor soils should be removed from the filtration system on a regular basis so as not to enter the retention system. The filtration system shall have a rigorous maintenance program, debris from the filtration maintenance should be disposed of at an approved facility in accordance with applicable regulation.

Corrosivity

The following table lists the results of laboratory soluble sulfate, soluble chloride, electrical resistivity, and pH testing. The values may be used to estimate potential corrosive characteristics of the on-site soils with respect to contact with the various underground materials which will be used for project construction.

Corrosivity Test Results Summary

Boring	Sample Depth (feet)	Soil Description	Soluble Sulfate (%)	Soluble Chloride (%)	Electrical Resistivity (Ω -cm)	pH
B-02	1.0-2.5	GM-Silty Gravel	0.01	0.0047	5,820	7.34

Results of soluble sulfate testing can be classified in accordance with ACI 318 – Building Code Requirements for Structural Concrete. Numerous sources are available to characterize corrosion potential to buried metals using the parameters above.

ANSI/AWWA is commonly used for ductile iron, while threshold values for evaluating the effect on steel can be specific to the buried feature (e.g., piling, culverts, welded wire reinforcement, etc.) or agency for which the work is performed. Imported fill materials may have significantly different properties than the site materials noted above and should be evaluated if expected to be in contact with metals used for construction. Consultation with a NACE certified corrosion professional is recommended for buried metals on the site.

Mapping by the NRCS includes qualitative severity of corrosion to concrete and steel. Based on this source, the near-surface materials are rated “Moderate” for corrosion to concrete and “Low” for corrosion of steel.

Geotechnical Overview

The site appears suitable for the proposed construction based upon geotechnical conditions encountered in the test borings, provided that the recommendations provided in this report are implemented in the design and construction phases of this project.

Earthwork

We anticipate grading for this project will consist of cuts and fills on the order of 2 feet or less to develop final grades. If greater cuts and fills are required, Terracon should be contacted to determine if additional earthwork recommendations are warranted.

Earthwork is anticipated to include clearing and grubbing, excavations, and engineered fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria, as necessary, to render the site in the state considered in our geotechnical engineering evaluation for foundations, floor slabs, and pavements.

Site Preparation

Prior to placing fill, existing vegetation and root mat should be removed. Complete stripping of the topsoil should be performed in the proposed building and parking/driveway areas. Any existing debris or other deleterious materials should also be removed. Stripping and removals should extend laterally a minimum of 5 feet beyond the limits of proposed improvements. All material derived from the removal of deleterious material should be removed from the site and should not be allowed for use as on-site fill.

Although no evidence of underground facilities (such as septic tanks, cesspools, basements, or utilities) was observed during the exploration and site reconnaissance, such features could be encountered during construction. If unexpected fills or underground facilities are encountered, such features should be removed, and the excavation thoroughly cleaned prior to backfill placement and/or construction.

Subgrade Preparation

After clearing, any required cuts and over-excavation should be made. Terracon should be present to observe the subgrade conditions during any over-excavation. The presence of over-sized debris or a high volume of organic material may warrant additional over-excavation at the time of grading operations.

Approximately 2 feet of pre-existing clayey sand fill was encountered at the surface of Boring B-01. Specific excavation, backfill, and site grading details for the fill are not known. The thickness of fill across the site may vary, and the thicknesses of fill encountered in our boring should not be construed as a minimum or maximum. Additional fill may be present in areas where borings were not performed. No compaction records were located or made available for review for the fill. As a result, we have considered the fill to uncontrolled. Such uncontrolled fill can result in excessive erratic and differential settlements causing damage to proposed structures supported on shallow foundations, hardscapes, and pavements relying on the fill for structural support. Subsequently, pre-existing surficial uncontrolled fills across the site are not suitable for the support of shallow spread footing foundations and floor slabs, which would be subject to unacceptable amounts of settlement. As a result, we recommend the pre-existing fill be overexcavated during grading, and placed and compacted as engineered fill per the recommendations provide in the **Fill Placement and Compaction Requirements** section of this report. A representative from Terracon should be present during grading to verify all fill has been overexcavated down to firm native soil.

Once any required cuts and over-excavation operations are complete, the resulting subgrade should be proofrolled with an adequately loaded vehicle such as a fully loaded tandem axle dump truck. The proof-rolling should be performed under the observation of

the Geotechnical Engineer or their representative. Areas excessively deflecting under the proof-roll should be delineated and subsequently addressed by the Geotechnical Engineer. Such areas should either be removed or modified by stabilizing as noted in the **Soil Stabilization** section. Excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

Exposed surfaces should be free of mounds and depressions which could prevent uniform compaction. The site should be initially graded to create a relatively level surface to receive fill and provide for a relatively uniform thickness of fill beneath the proposed building if required.

Excavated material may be stockpiled for use as fill provided it is cleaned of organic material, debris, and any other deleterious material and meets the criteria for general or structural fill specified in the **Fill Material Types** section of this report.

Once proof rolling has been performed, all exposed areas which will receive fill, once properly cleared where necessary, should be scarified to a depth of 12 inches, moisture conditioned as necessary, and compacted per the compaction requirement in this report. A representative from Terracon should be present to observe the exposed subgrade and confirm the depth of scarification and moisture conditioning required.

Following scarification, moisture conditioning, and compaction of the subgrade soils, compacted fill soils should then be placed to the proposed design grade and the moisture content and compaction of subgrade soils should be maintained until foundation, slab, and pavement construction.

Based upon the subsurface conditions determined from the geotechnical exploration, subgrade soils exposed during construction are anticipated to be relatively workable; however, the workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by scarifying and drying.

Soil Stabilization

Methods of subgrade improvement, as described below, could include scarification, moisture conditioning and recompaction, removal of unstable materials and replacement with granular fill (with or without geosynthetics), and chemical stabilization. The appropriate method of improvement, if required, would be dependent on factors such as schedule, weather, the size of area to be stabilized, and the nature of the instability. More detailed recommendations can be provided during construction as the need for subgrade stabilization occurs. Performing site grading operations during warm seasons and dry periods would help reduce the amount of subgrade stabilization required.

If the exposed subgrade is unstable during proofrolling operations, it could be stabilized using one of the methods outlined below.

- **Scarification and Recompaction** - It may be feasible to scarify, dry, and recompact the exposed soils. The success of this procedure would depend primarily upon favorable weather and sufficient time to dry the soils. Stable subgrades likely would not be achievable if the thickness of the unstable soil is greater than about 1 foot or if construction is performed during a period of wet or cool weather when drying is difficult.
- **Aggregate Base** - The use of Caltrans Class II aggregate base is a common procedure to improve subgrade stability. Typical undercut depths would be expected to range from about 6 to 18 inches below finished subgrade elevation. The use of high modulus geosynthetics (i.e., engineering fabric or geogrid) could also be considered after underground work such as utility construction is completed. Prior to placing the fabric or geogrid, we recommend that all below grade construction, such as utility line installation, be completed to avoid damaging the fabric or geogrid. Equipment should not be operated above the fabric or geogrid until one full lift of aggregate base is placed above it. The maximum particle size of granular material placed over geotextile fabric or geogrid should meet the manufacturer's specifications.
- **Chemical Stabilization** - Improvement of subgrades with Portland cement could be considered for improving unstable soils. Chemical stabilization should be performed by a pre-qualified contractor having experience with successfully stabilizing subgrades in the project area on similar sized projects with similar soil conditions. The hazards of chemicals blowing across the site or onto adjacent property should also be considered. Additional testing would be needed to develop specific recommendations to improve subgrade stability by blending chemicals with the site soils. Additional testing could include, but not be limited to, determining the most suitable stabilizing agent, the optimum amounts required, and the presence of sulfates in the soil. If this method is chosen to stabilize subgrade soils the actual amount of Portland cement to be used should be determined by Terracon and by laboratory testing at least three weeks prior to the start of grading operations.

Further evaluation of the need and recommendations for subgrade stabilization can be provided during construction as the geotechnical conditions are exposed.

Fill Material Types

Fill required to achieve design grade should be classified as structural fill and general fill. Structural fill is material used below, or within 5 feet of structures, pavements or constructed slopes. General fill is material used to achieve grade outside of these areas.

Reuse of On-Site Soil: Excavated on-site soil may be selectively reused as general or structural fill. Material property requirements for on-site soil for use as general fill and structural fill are noted in the following table:

Property	General Fill	Structural Fill
Composition	Free of deleterious material	Free of deleterious material
Maximum particle size	6 inches (or 2/3 of the lift thickness)	3 inches
Fines content	Not limited	Less than 25% Passing No. 200 sieve
Plasticity	Not limited	Maximum plasticity index of 10
GeoModel Layer Expected to be Suitable ¹	2, 3, 4, 5	2, 3, 4, 5

- 1.** Based on subsurface exploration. Actual material suitability should be determined in the field at time of construction.

Imported Fill Materials: Imported fill materials should meet the following material property requirements. Regardless of its source, compacted fill should consist of approved materials that are free of organic matter and debris. For all import material, the contractor shall submit current verified reports from a recognized analytical laboratory indicating that the import has a “not applicable” (Class S0) potential for sulfate attack based upon current ACI criteria and is “mildly corrosive” to ferrous metal and copper. The reports shall be accompanied by a written statement from the contractor that the laboratory test results are representative of all import material that will be brought to the project.

Soil Type ¹	USCS Classification	Acceptable Parameters (for Structural Fill)
Low Plasticity	CL, SC	Liquid Limit less than 30 Plasticity index less than 10
Granular ²	GW, GM, SW, SM	Less than 40% passing No. 200 sieve

- 1.** Structural and general fill should consist of approved materials free of organic matter and debris and should contain no material larger than 3 inches in greatest dimension. A sample of each material type should be submitted to the Geotechnical Engineer for evaluation at least two weeks prior to use on this site.
- 2.** Caltrans Class II aggregate base may be used for this material. Recycled aggregate base should not be used without prior approval by the Geotechnical Engineer.

Fill Placement and Compaction Requirements

Compacted native soil and structural and general fill should meet the following compaction requirements.

Item	Structural Fill	General Fill
Maximum Lift Thickness	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used 4 to 6 inches in loose thickness when hand-guided equipment (i.e., jumping jack or plate compactor) is used	Same as structural fill
Minimum Compaction Requirements ^{1,2}	95% of max: Upper 12 inches of subgrade in pavement areas, for aggregate base, and below slabs and foundations. 90% of max: All other locations	90% of max.
Water Content Range ¹	Low plasticity cohesive: +1% to +3% above optimum Granular: -2% to +2% of optimum	As required to achieve min. compaction requirements

1. Maximum density and optimum water content as determined by the Modified Proctor test (ASTM D 1557).
2. If the granular material is a coarse sand or gravel, or of a uniform size, or has a low fines content, compaction comparison to relative density may be more appropriate. In this case, granular materials should be compacted to at least 70% relative density (ASTM D 4253 and D 4254). Materials not amenable to density testing should be placed and compacted to a stable condition observed full time by the Geotechnical Engineer or representative.

Utility Trench Backfill

Any soft or unsuitable materials encountered at the bottom of utility trench excavations should be removed and replaced with structural fill or bedding material in accordance with public works specifications for the utility to be supported. This recommendation is particularly applicable to utility work requiring grade control and/or in areas where subsequent grade raising could cause settlement in the subgrade supporting the utility. Trench excavation should not be conducted below a downward 1:1 projection from existing foundations without engineering review of shoring requirements and geotechnical observation during construction.

On-site materials are considered suitable for backfill of utility and pipe trenches from 1 foot above the top of the pipe to the final ground surface, provided the material is free of organic matter and deleterious substances.

Trench backfill should be mechanically placed and compacted as discussed earlier in this report. Compaction of initial lifts should be accomplished with hand-operated tampers or other lightweight compactors. Where trenches are placed beneath slabs or footings, the backfill should satisfy the specification for structural fill discussed in this report. Flooding or jetting for placement and compaction of backfill is not recommended.

All trench excavations should be made with sufficient working space to permit construction including backfill placement and compaction. If utility trenches are backfilled with relatively clean granular material, they should be capped with at least 18 inches of cementitious flowable fill or cohesive fill in non-pavement areas to reduce the infiltration and conveyance of surface water through the trench backfill. Attempts should also be made to limit the amount of fines migration into the clean granular material. Fines migration into clean granular fill may result in unanticipated localized settlements over a period of time. To help limit the amount of fines migration, Terracon recommends the use of a geotextile fabric that is designed to prevent fines migration in areas of contact between clean granular material and fine-grained soils. Terracon also recommends that clean granular fill be tracked or tamped in place where possible in order to limit the amount of future densification which may cause localized settlements over time.

Grading and Drainage

All grades must provide effective drainage away from the building during and after construction and should be maintained throughout the life of the structure. Water retained next to the building can result in soil movements greater than those discussed in this report. Greater movements can result in unacceptable differential floor slab and/or foundation movements, cracked slabs and walls, and roof leaks. The roof should have gutters/drains with downspouts that discharge onto splash blocks at a distance of at least 10 feet from the building, onto pavements, or are tied to tight lines that discharge into a storm drainage system.

Exposed ground should be sloped and maintained at a minimum 5 percent away from the building for at least 10 feet beyond the perimeter of the building. If a minimum 5 percent slope cannot be achieved due to site grades, a minimum 2½ percent slope could be used provided pavement or hardscape surrounds and extends to the building, or a subdrain could be installed around the perimeter of the foundations that carries water away from the building. Locally, flatter grades may be necessary to transition ADA access requirements for flatwork. After building construction and landscaping, final grades should be verified to document effective drainage has been achieved. Grades around the structure should also be periodically inspected and adjusted as necessary as

part of the structure's maintenance program. Where paving or flatwork abuts the structure a maintenance program should be established to effectively seal and maintain joints and prevent surface water infiltration.

Any planters and/or bio-swales located within 10 feet of the building should be self-contained or lined with an impermeable membrane to prevent water from accessing subgrade soils below the building. Sprinkler mains and spray heads should be located a minimum of 5 feet away from the foundation lines.

No vegetation over six feet in height shall be planted within 20 feet of the building perimeter unless a root barrier is provided between the structure and tree to limit roots within 10 feet of building. Roots can draw additional moisture from the soils and cause excessive volume changes in the soil resulting in building movement.

Implementation of adequate drainage for this project can affect the surrounding developments. Consequently, in addition to designing and constructing drainage for this project, the effects of site drainage should be taken into consideration for the planned structures on this property, the undeveloped portions of this property, and surrounding sites. Extra care should be taken to ensure irrigation and drainage from adjacent areas do not drain onto the project site or saturate the construction area.

Earthwork Construction Considerations

Excavations for the proposed structure are anticipated to be accomplished with conventional construction equipment. Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to construction of grade-supported improvements such as foundations, floor slabs, exterior hardscape, and pavements. Construction traffic over the completed subgrades should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. Water collecting over or adjacent to construction areas should be removed. If the subgrade should become desiccated, saturated, or is disturbed, the affected material should be removed, or the materials should be scarified, moisture conditioned, and recompacted prior to construction.

We recommend that the earthwork portion of this project be completed during extended periods of dry weather if possible. If earthwork is completed during the wet season (typically November through April) it may be necessary to take extra precautionary measures to protect subgrade soils. Wet season earthwork operations may require additional mitigation measures beyond that which would be expected during the drier summer and fall months. This could include ground stabilization utilizing chemical treatment of the subgrade, diversion of surface runoff around exposed soils, and draining of ponded water on the site. Once subgrades are established, it may be necessary to protect the exposed subgrade soils from construction traffic.

As a minimum, excavations should be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P, "Excavations" and its appendices, and in accordance with any applicable local and/or state regulations. Stockpiles of soil, construction materials, and construction equipment should not be placed near trenches or excavations. ***The Contractor is responsible for maintaining the stability of adjacent structures during construction.***

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety or the contractor's activities; such responsibility shall neither be implied nor inferred.

Excavations or other activities resulting in ground disturbance have the potential to affect adjoining properties and structures. Our scope of services does not include review of available final grading information or consider potential temporary grading performed by the contractor for potential effects such as ground movement beyond the project limits. A preconstruction/ precondition survey should be conducted to document nearby property/infrastructure prior to any site development activity. Excavation or ground disturbance activities adjacent or near property lines should be monitored or instrumented for potential ground movements that could negatively affect adjoining property and/or structures.

Construction Observation and Testing

The earthwork efforts should be observed by the Geotechnical Engineer (or others under their direction). Observation should include documentation of adequate removal of surficial materials (vegetation, topsoil, debris, and pavements), evaluation and remediation of existing fill materials, as well as proofrolling and mitigation of unsuitable areas delineated by the proofroll.

Each lift of compacted fill should be tested, evaluated, and reworked, as necessary, as recommended by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content at a frequency of at least one test for every 1,500 square feet of compacted fill in the building areas and 2,000 square feet in pavement areas. Where not specified by local ordinance, one density and water content test should be performed for every 50 linear feet of compacted utility trench backfill a minimum of one test performed for every 12 vertical inches of compacted backfill.

In areas of foundation excavations, the bearing subgrade should be evaluated by the Geotechnical Engineer. If unanticipated conditions are observed, the Geotechnical Engineer should prescribe mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

Shallow Foundations

The proposed building and drive-thru canopy may be supported by spread footings provided the footings extend through any fill and bear on firm native soil. If the site has been prepared in accordance with the requirements noted in [Earthwork](#), the following design parameters are applicable for shallow foundations.

Design Parameters – Compressive Loads

Item	Description
Maximum Net Allowable Bearing Pressure ^{1,2}	4,000 psf
Required Bearing Stratum ³	Undisturbed firm native soil
Minimum Foundation Dimensions	Per CBC 1809.7
Passive Resistance ^{4,8} (equivalent fluid pressures)	350 pcf
Sliding Resistance ^{5,8}	0.35 allowable coefficient of friction - granular material
Minimum Embedment below Finished Grade ⁶	12 inches
Estimated Total Settlement from Structural Loads ²	Less than about 1 inch
Estimated Differential Settlement ^{2,7}	About ½ inch of total settlement

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. This bearing pressure can be increased by 1/3 for transient loads unless those loads have been factored to account for transient conditions. Values assume that exterior grades are no steeper than 20% within 10 feet of structure.
2. Values provided are for maximum loads noted in [Project Description](#). Additional geotechnical consultation will be necessary if higher loads are anticipated.
3. Unsuitable or soft soils should be overexcavated and replaced per the recommendations presented in [Earthwork](#).
4. Use of passive earth pressures require the sides of the excavation for the spread footing foundation to be nearly vertical and the concrete placed neat against these vertical faces or that the footing forms be removed and compacted structural fill be placed against the vertical footing face. Assumes no hydrostatic pressure.
5. Can be used to compute sliding resistance where foundations are placed on suitable soil/materials. Frictional resistance for granular materials is dependent on the bearing pressure which may vary due to load combinations.
6. Embedment necessary to minimize the effects of seasonal water content variations. For sloping ground, maintain depth below the lowest adjacent exterior grade within 5 horizontal feet of the structure.
7. Differential settlements are noted for equivalent-loaded foundations and bearing elevation as measured over a span of 50 feet.
8. Passive Resistance and Sliding Resistance may be combined to resist sliding provided the Passive Resistance is reduced by 50 percent.

Design Parameters – Overturning and Uplift Loads

Proposed drive-thru canopy foundations subjected to overturning loads should be proportioned such that the resultant eccentricity is maintained in the center-third of the foundation (e.g., $e < b/6$, where b is the foundation width). This requirement is intended to keep the entire foundation area in compression during the extreme lateral/overturning load event. Foundation oversizing may be required to satisfy this condition.

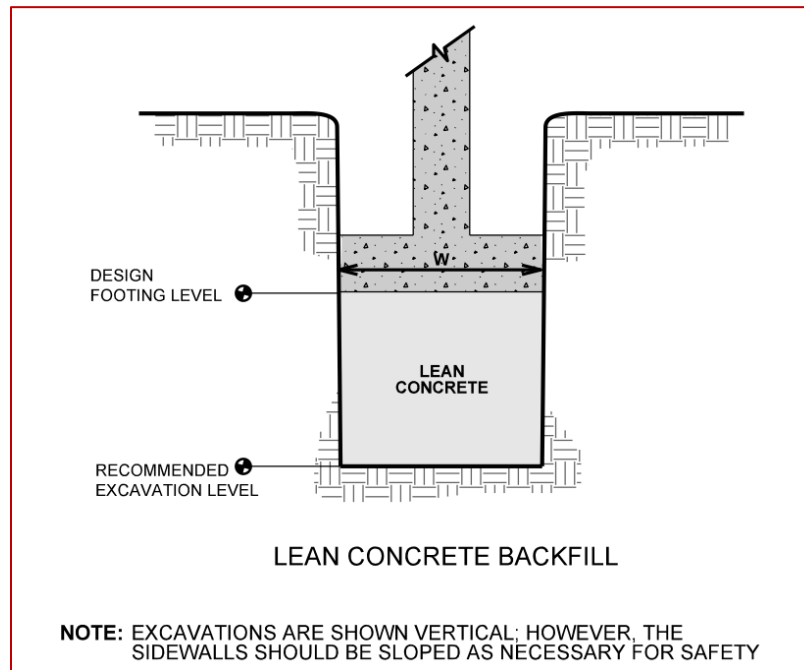
Uplift resistance of spread footings can be developed from the effective weight of the footing and the overlying soils with consideration to the CBC basic load combinations.

Item	Description
Soil Moist Unit Weight	110 pcf (compacted backfill)
Soil weight included in uplift resistance	Soil included within the prism extending up from the top perimeter of the footing at an angle of 20 degrees from vertical to ground surface

Foundation Construction Considerations

As noted in [Earthwork](#), the footing excavations should be evaluated under the observation of the Geotechnical Engineer. The base of all foundation excavations should be free of water and loose soil, prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Care should be taken to prevent wetting or drying of the bearing materials during construction. Excessively wet or dry material or any loose/disturbed material in the bottom of the footing excavations should be removed/reconditioned before foundation concrete is placed.

If unsuitable bearing soils are observed at the base of the planned footing excavation, the excavation should be extended deeper to suitable soils, and the footings could bear directly on these soils at the lower level or on lean concrete backfill placed in the excavations. The lean concrete replacement zone is illustrated on the following sketch.



To ensure foundations have adequate support, special care should be taken when footings are located adjacent to trenches. The bottom of such footings should be at least 1 foot below an imaginary plane with an inclination of 1½ horizontal to 1.0 vertical extending upward from the nearest edge of the adjacent trench.

Floor Slabs

We understand that the building will be constructed with a concrete slab-on-floor. Design parameters for floor slabs assume the requirements provided for **Earthwork** have been followed. Specific attention should be given to positive drainage away from the structure and positive drainage of the floor slab support course beneath the floor slab.

Floor Slab Design Parameters

Item	Description
Floor Slab Support¹	4 inches of ¾ inch free draining crushed rock ³ over subgrade prepared and compacted to the recommendations in Earthwork .
Estimated Modulus of Subgrade Reaction²	150 pounds per square inch per inch (psi/in) for point loads

1. Floor slabs should be structurally independent of building footings or walls to reduce the possibility of floor slab cracking caused by differential movements between the slab and foundation.
2. Modulus of subgrade reaction is an estimated value based upon our experience with the subgrade condition, the requirements noted in [Earthwork](#), and the floor slab support as noted in this table. It is provided for point loads. For large area loads the modulus of subgrade reaction would be lower.
3. Free-draining granular material should have less than 5% fines (material passing the No. 200 sieve). Other design considerations such as cold temperatures and condensation development could warrant more extensive design provisions.

The use of a vapor retarder should be considered beneath concrete slabs on grade covered with wood, tile, carpet, or other moisture sensitive or impervious coverings, when the project includes humidity-controlled areas, or when the slab will support equipment sensitive to moisture. When conditions warrant the use of a vapor retarder, the slab designer should refer to ACI 302 and/or ACI 360 for procedures and cautions regarding the use and placement of a vapor retarder.

Saw-cut contraction joints should be placed in the slab to help control the location and extent of cracking. For additional recommendations, refer to the ACI Design Manual. Joints or cracks should be sealed with a waterproof, non-extruding compressible compound specifically recommended for heavy duty concrete pavement and wet environments.

Where floor slabs are tied to perimeter walls or turn-down slabs to meet structural or other construction objectives, our experience indicates differential movement between the walls and slabs will likely be observed in adjacent slab expansion joints or floor slab cracks beyond the length of the structural dowels. The Structural Engineer should account for potential differential settlement through use of sufficient control joints, appropriate reinforcing, or other means.

Floor Slab Construction Considerations

Finished subgrade, within and for at least 10 feet beyond the floor slab, should be protected from traffic, rutting, or other disturbance and maintained in a relatively moist condition until floor slabs are constructed. If the subgrade should become damaged or desiccated prior to construction of floor slabs, the affected material should be removed, and structural fill should be added to replace the resulting excavation. Final conditioning of the finished subgrade should be performed immediately prior to placement of the floor slab support course.

The Geotechnical Engineer should observe the condition of the floor slab subgrades immediately prior to placement of the floor slab support course, reinforcing steel, and concrete. Attention should be paid to high traffic areas that were rutted and disturbed earlier, and to areas where backfilled trenches are located.

Pavements

General Pavement Comments

Pavement designs are provided for the traffic conditions and pavement life conditions as noted in **Project Description** and in the following sections of this report. A critical aspect of pavement performance is site preparation. Pavement designs noted in this section must be applied to the site which has been prepared as recommended in the **Earthwork** section.

On most project sites, the site grading is accomplished relatively early in the construction phase. Fills are placed and compacted in a uniform manner. However, as construction proceeds, excavations are made into these areas, rainfall and surface water saturates some areas, heavy traffic from concrete trucks and other delivery vehicles disturbs the subgrade and many surface irregularities are filled in with loose soils to improve trafficability temporarily. As a result, the pavement subgrades, initially prepared early in the project, should be carefully evaluated as the time for pavement construction approaches.

We recommend the moisture content and density of the top 12 inches of the subgrade be evaluated and the pavement subgrades be proofrolled within two days prior to commencement of actual paving operations. Areas not in compliance with the required ranges of moisture or density should be moisture conditioned and recompacted. Particular attention should be paid to high traffic areas that were rutted and disturbed earlier and to areas where backfilled trenches are located. Areas where unsuitable conditions are located should be repaired by removing and replacing the materials with properly compacted fills.

If a significant precipitation event occurs after the evaluation or if the surface becomes disturbed, the subgrade should be reviewed by qualified personnel immediately prior to paving. The subgrade should be in its finished form at the time of the final review.

Pavement Design Parameters

Design of Asphaltic Concrete (AC) pavement sections were calculated using the Caltrans Highway Design Manual, latest edition, and a 20-year design life. Design of Portland Cement Concrete (PCC) pavement sections were designed using ACI 330R-21, "Guide for the Design and Construction of Concrete Parking Lots."

Bulk samples of the near surface native soils were collected to perform Hveem Stabilometer (R-Value) testing. A representative/composite bulk sample from Boring B-01 was selected for testing. The testing resulted in an R-Value of 66. Subsequently, an R-Value of 40 was used for the subgrade for the asphaltic concrete (AC) pavement designs. A modulus of subgrade reaction of 175 pci was used for the Portland cement concrete (PCC) pavement designs. The value was empirically derived based upon our experience with the sand and sand-gravel with moderate silt/clay subgrade soils and our expectation of the quality of the subgrade as prescribed by the **Site Preparation** conditions as outlined in **Earthwork**. A modulus of rupture of 550 psi was used in design for the concrete (based on correlations with a minimum 28-day compressive strength of 4,500 psi).

As more specific traffic information becomes available for the project specific and project traffic indexes are determined, we should be contacted to reevaluate the pavement calculations.

Recommendations for conventional pavement sections are presented next. The recommendations are based on the subgrade being in a firm and unyielding condition.

Pavement Section Thicknesses

The following table provides our opinion of minimum thickness for AC sections:

Asphaltic Concrete Design

Layer	Thickness (inches)			
	Auto Parking Areas (TI = 5.0) ¹	Auto Road (TI = 5.5) ¹	Truck Parking Areas (TI = 6.0) ¹	Truck Parking Areas (TI = 8.0) ¹
AC ^{2, 3}	3.0	3.5	3.5	5.0
Aggregate Base ²	4.0	4.5	5.5	8.0

1. See [Project Description](#) for more specifics regarding traffic assumptions.
2. All materials should meet the current Caltrans Highway Design Manual specifications.
 - Base – Caltrans Class 2 aggregate base
3. A minimum 1.5-inch surface course should be used on ACC pavements.

The following table provides our estimated minimum thickness of PCC pavements.

Portland Cement Concrete Design

Layer	Thickness (inches)		
	Traffic Category A ¹	Traffic Category B ¹	Traffic Category E ¹
PCC ²	4.25	5.50	6.75
Aggregate Base	4.0	6.0	6.0

1. See [Project Description](#) for more specifics regarding traffic classifications.
2. All materials should meet the current Caltrans Highway Design Manual specifications.

Areas for parking of heavy vehicles, concentrated turn areas, and start/stop maneuvers could require thicker pavement sections. Edge restraints (i.e. concrete curbs or aggregate shoulders) should be planned along curves and areas of maneuvering vehicles.

Although not required for structural support, a minimum 4-inch-thick base course layer is recommended to help reduce potential for slab curl, shrinkage cracking, and subgrade pumping through joints. Proper joint spacing will also be required to prevent excessive slab curling and shrinkage cracking. Joints should be sealed to prevent entry of foreign material and doweled where necessary for load transfer. PCC pavement details for joint

spacing, joint reinforcement, and joint sealing should be prepared in accordance with ACI 330 and ACI 325.

Where practical, we recommend early-entry cutting of crack-control joints in PCC pavements. Cutting of the concrete in its “green” state typically reduces the potential for micro-cracking of the pavements prior to the crack control joints being formed, compared to cutting the joints after the concrete has fully set. Micro-cracking of pavements may lead to crack formation in locations other than the sawed joints, and/or reduction of fatigue life of the pavement.

Openings in pavements, such as decorative landscaped areas, are sources for water infiltration into surrounding pavement systems. Water can collect in the islands and migrate into the surrounding subgrade soils thereby degrading support of the pavement. Islands with raised concrete curbs, irrigated foliage, and low permeability near-surface soils are particular areas of concern. The civil design for the pavements with these conditions should include features to restrict or collect and discharge excess water from the islands. Examples of features are edge drains connected to the stormwater collection system, longitudinal subdrains, or other suitable outlets and impermeable barriers preventing lateral migration of water such as a cutoff wall installed to a depth below the pavement structure.

Pavement Maintenance

The pavement sections represent minimum recommended thicknesses and, as such, periodic upkeep should be anticipated. Preventive maintenance should be planned and provided for through an on-going pavement management program. Maintenance activities are intended to slow the rate of pavement deterioration and to preserve the pavement investment. Pavement care consists of both localized (e.g., crack, and joint sealing and patching) and global maintenance (e.g., surface sealing). Additional engineering consultation is recommended to determine the type and extent of a cost-effective program. Even with periodic maintenance, some movements and related cracking may still occur, and repairs may be required.

Pavement performance is affected by its surroundings. In addition to providing preventive maintenance, the civil engineer should consider the following recommendations in the design and layout of pavements:

- Final grade adjacent to paved areas should slope down from the edges at a minimum 2%.
- Subgrade and pavement surfaces should have a minimum 2% slope to promote proper surface drainage.
- Install pavement drainage systems surrounding areas anticipated for frequent wetting.

- Install joint sealant and seal cracks immediately.
- Seal all landscaped areas in or adjacent to pavements to reduce moisture migration to subgrade soils.
- Place compacted, low permeability backfill against the exterior side of curb and gutter.
- Place curb, gutter and/or sidewalk directly on clay subgrade soils rather than on unbound granular base course materials.

General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials, or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly affect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating including

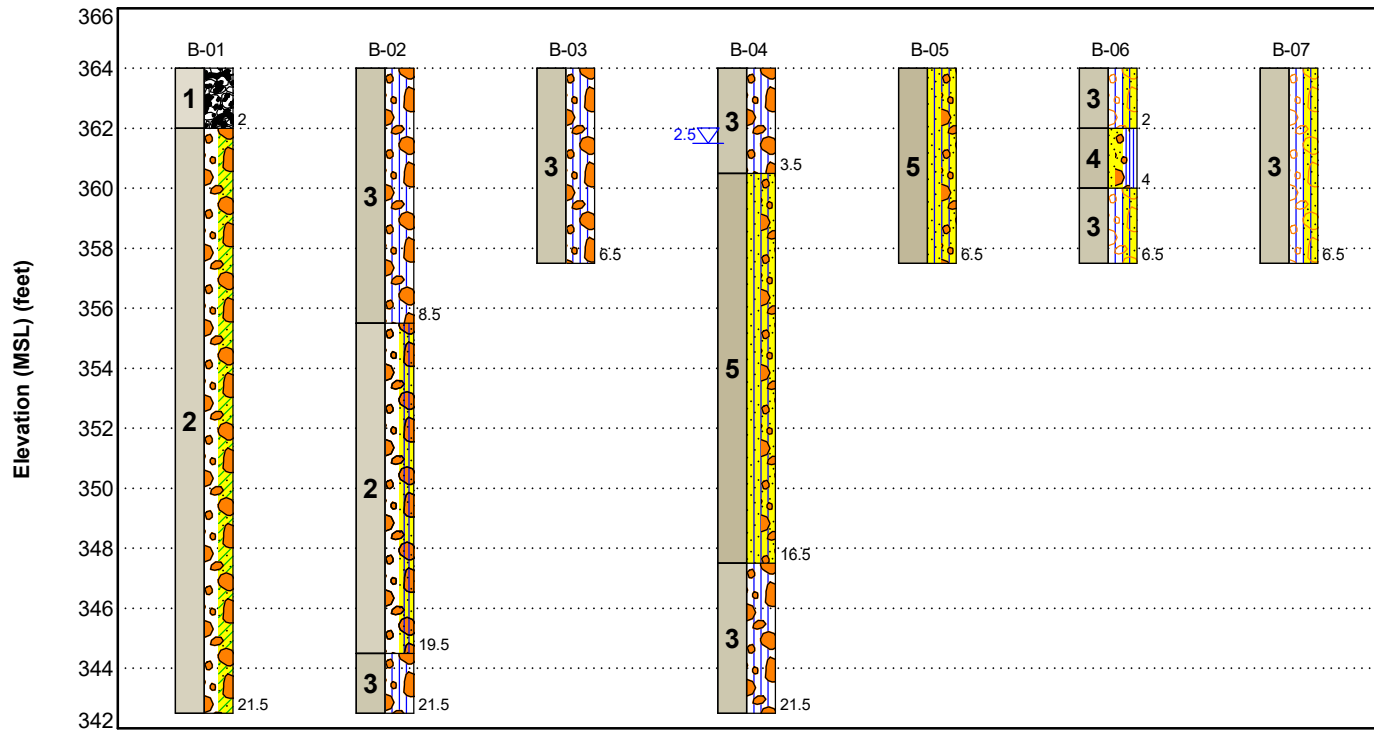
excavation support and dewatering requirements/design are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider a preconstruction/precondition survey of surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing. This report should not be used after 3 years without written authorization from Terracon.

Figures

Contents:

GeoModel

GeoModel



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description
1	FILL	Medium dense clayey sand
2	Poorly graded GRAVEL	Medium dense to dense gravel with variable amounts of sand, clay, and silt
3	Silty GRAVEL	Medium dense to very dense gravel with variable amounts of sand, clays, and silt
4	Poorly graded SAND	Medium dense to dense sand with variable amounts of gravel, clays, and silt
5	Silty SAND	Dense sand with variable amounts of gravel, clays, and silt

LEGEND

- Fill
- Poorly-graded Gravel with Silt and Sand
- Poorly-graded Sand with Silt and Gravel
- Poorly-graded Gravel with Clay and Sand
- Silty Sand with Gravel
- Silty Gravel
- Silty Gravel with Sand

First Water Observation

The groundwater levels shown are representative of the date and time of our exploration. Significant changes are possible over time.
Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.

NOTES:
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.
Numbers adjacent to soil column indicate depth below ground surface.

Attachments

Exploration and Testing Procedures

Field Exploration

Number of Borings	Approximate Boring Depth (feet)	Location
3	21½	building footprint
1	6½	canopy area
3	6½	pavement and landscaping areas

Boring Layout and Elevations: Terracon personnel provided the boring layout using handheld GPS equipment (estimated horizontal accuracy of about ± 20 feet) and referencing existing site features. Approximate ground surface elevations were estimated using Google Earth. If elevations and a more precise boring layout are desired, we recommend the exploration locations be surveyed.

Subsurface Exploration Procedures: We advanced the borings with a truck-mounted rotary drill rig using continuous solid flight augers. Three (3) samples were obtained in the upper 5 feet of each boring and at intervals of 5 feet thereafter. Sampling was performed using either a standard split-barrel sampler, or a Modified California Sampler (MCS), depending on the soil conditions. In the standard split-barrel sampling procedure, a standard 2-inch-outside-diameter (OD) split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. Blow counts are recorded in 6-inch intervals for a total of 18 inches of penetration. The blows required to drive the sampler the final 12 inches are recorded as Standard Penetration Test (SPT) resistance value, also referred to as the N-value. The sampling procedure using the MCS is similar to the standard procedure but uses a 3-inch OD thick-walled split-barrel sampler lined with 6-inch-long, 2½-inch OD tubes instead of the standard 2-inch OD sampling spoon. In each case, the blow counts and N-values are included in the boring logs at the associated sample depths. For safety purposes, all borings were backfilled with auger cuttings after their completion.

We also observed the boreholes while drilling and at the completion of drilling for the presence of groundwater. The groundwater levels are shown on the attached boring logs.

The sampling depths, penetration distances, and other sampling information was recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a Geotechnical Engineer. Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual classifications of the materials observed during drilling and our

interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the Geotechnical Engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests. The laboratory testing program included the following types of tests:

- Moisture Content
- Dry Unit Weight
- Grain Size Analysis
- Corrosion Analysis
- R-Value

The laboratory testing program often included examination of soil samples by an engineer. Based on the results of our field and laboratory programs, we described and classified the soil samples in accordance with the Unified Soil Classification System.

Site Location and Exploration Plans

Contents:

Site Location Plan

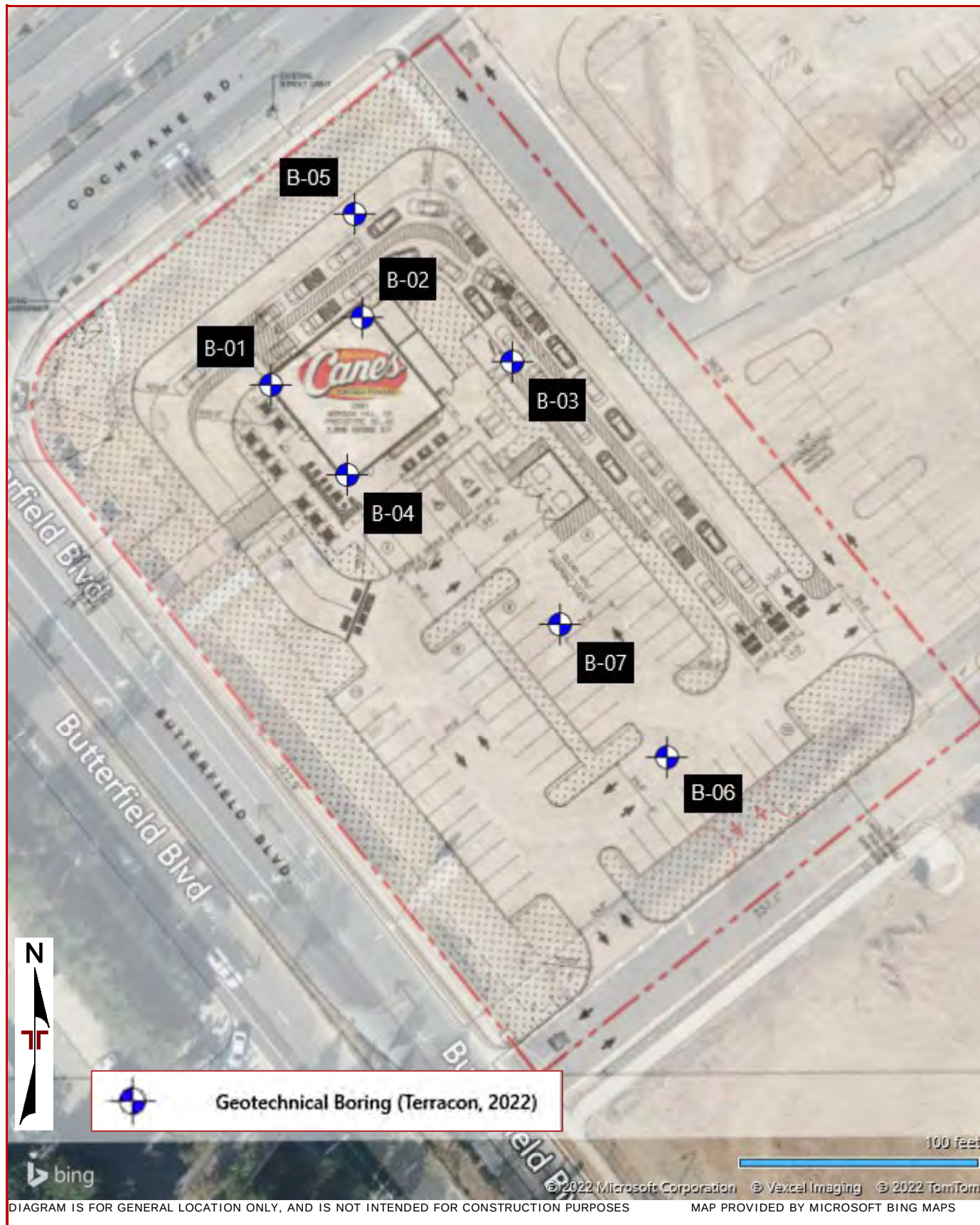
Exploration Plan

Note: All attachments are one page unless noted above.

Site Location



Exploration Plan



Exploration and Laboratory Results

Contents:

Boring Logs (B-01 through B-07)
Grain Size Distribution
R-Value
Corrosivity

Note: All attachments are one page unless noted above.

Boring Log No. B-01

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1475° Longitude: -121.6604° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
1		FILL - CLAYEY SAND (SC) , gray to brown, medium dense	2.0 362			14-11-10	11.1	116		
2		POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) , brown, medium dense, coarse gravel, up to 2" in largest dimension				5-9-9	13.9			
		dense, trace cobbles	5			18-28-29	8.1			10
		grayish brown	10			21-28-40	10.0	137		
		brown	15			22-24-28	9.8	125		
			20			17-22-21	9.5			
		Boring Terminated at 21.5 Feet	21.5 342.5							

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

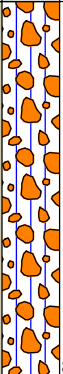
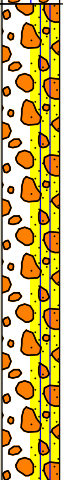
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-02

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1475° Longitude: -121.6603° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL (GM) , with sand, brown, dense, gravel up to about 0.5" in dimension	5			6-26-27	14.1	116		
		light brown to brown, medium dense, gravel up to about 1.5" in dimension				14-16-15	9.6	114		
		light brown, dense, gravel up to about 1" in dimension				18-24-27	11.3	115		
2		POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) , light brown to brown, dense, gravel up to about 1" in dimension	10			12-20-30	8.4	118		
		medium dense	15			15-18-19	13.2	121		
3		SILTY GRAVEL (GM) , with sand, light brown to brown, dense, gravel up to about 1" in dimension	20			22-24-46	12.0	118		
		Boring Terminated at 21.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

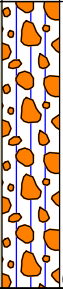
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-03

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1475° Longitude: -121.6601° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL (GM) , with sand, light brown to brown, medium dense, gravel up to about 1.5" in dimension medium dense to dense very dense	5			12-13-19	10.2	125		
						17-19-23	9.8			
						13-40-50	6.0			
		Auger Refusal at 6.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

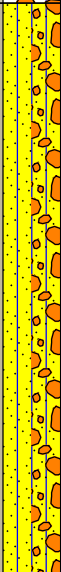
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-04

Model Layer	Graphic Log	Location: See Exploration Plan		Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines	
		Latitude: 37.1473° Longitude: -121.6603°								LL-PL-PI		
		Depth (Ft.)	Elevation: 364 (Ft.) +/-									
3		SILTY GRAVEL (GM) , with sand, brown to light brown, medium dense, gravel up to about 1.5" in dimension					3-23-8	7.0	116			
		light brown, dense, gravel/cobbles up to about 2" in dimension					18-32-35	9.2				
3.5		360.5										
5		SILTY SAND WITH GRAVEL (SM) , light brown, dense, fine- to coarse-grained sand, gravel up to about 0.5" in dimension		5			12-19-20 N=39	9.5				14
				10			15-20-24 N=44	14.9				
				15			12-15-16 N=31					
				20			12-26-20 N=46	12.8				
		16.5 347.5										
3		SILTY GRAVEL (GM) , light brown to brown, dense, gravel up to about 1" in dimension										
		21.5 342.5										
		Boring Terminated at 21.5 Feet										

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

 While drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

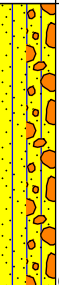
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-05

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1476° Longitude: -121.6603° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
5		SILTY SAND WITH GRAVEL (SM) , light brown to brown, dense, fine- to medium-grained sand, gravel up to about 1.75" in dimension brown with reddish brown	5			16-30-31	8.8	114		21
						16-30-32	9.3			
						23-25-13	8.3			
		Boring Terminated at 6.5 Feet	6.5							

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-06

Model Layer	Graphic Log	Location: See Exploration Plan		Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
		Latitude: 37.1470° Longitude: -121.6599°								LL-PL-PI	
		Depth (Ft.)	Elevation: 364 (Ft.) +/-								
3		2.0	362	5			7-9-10	9.0			11
4		4.0	360				9-18-17	11.0	113		
3		6.5	357.5				18-50	10.6			
Boring Terminated at 6.5 Feet											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

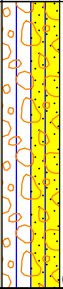
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-07

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1472° Longitude: -121.6600° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL WITH SAND (GM) , orangish brown, medium dense, gravel up to about 1.5" in dimension	5			12-14-18	6.2	125		
		brown to light brown				16-15-15	6.0			
		brown to light orangish brown, dense, gravel up to about 2.5" in dimension, sand lense				20-24-27	10.0			
		6.5 357.5								
		Boring Terminated at 6.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

Advancement Method

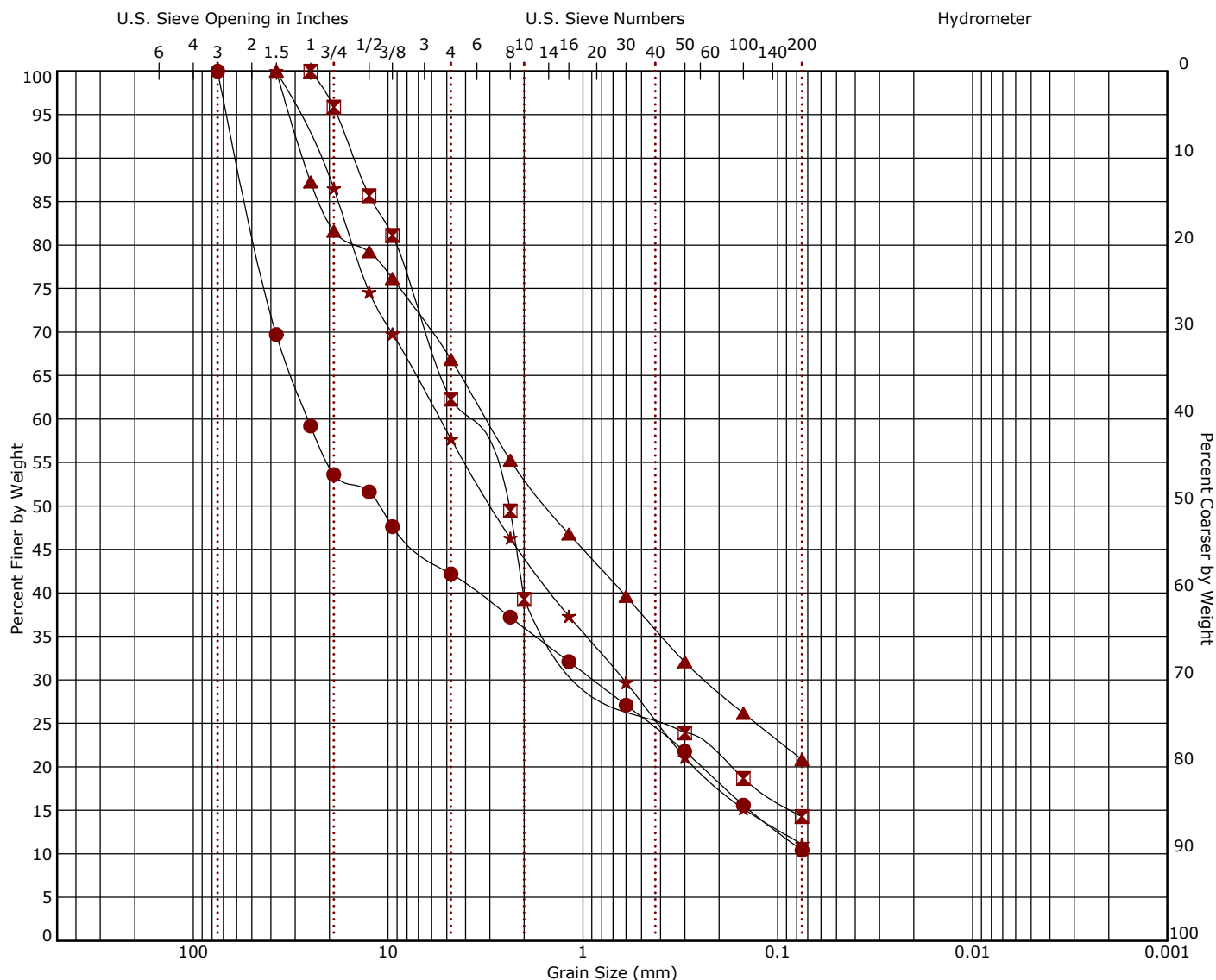
4" Solid-Flight Auger

Abandonment Method

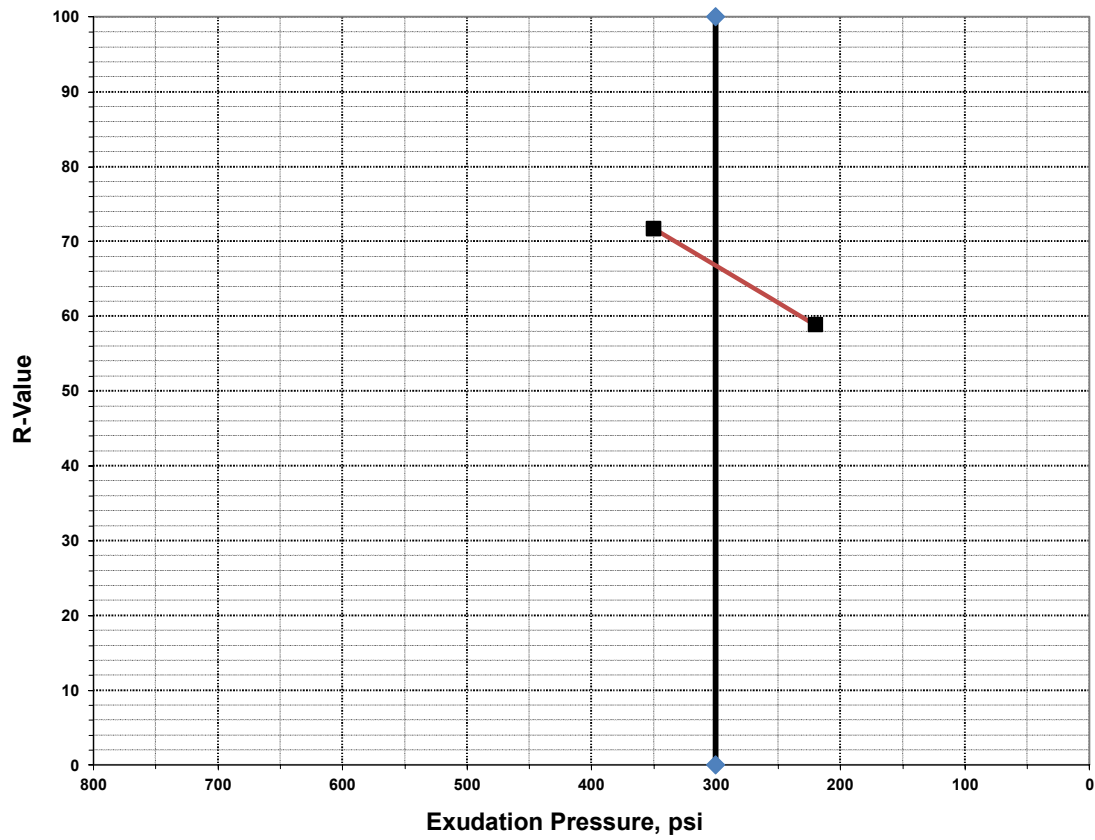
Boring backfilled with auger cuttings upon completion.

Grain Size Distribution

ASTM D422 / ASTM C136



Boring ID		Depth (Ft)	Description					USCS	LL	PL	PI	Cc	Cu
●	B-01	5 - 6.5										0.43	362.78
☒	B-04	5 - 6.5											
▲	B-05	5 - 6.5											
★	B-06	2.5 - 4										1.13	87.65
Boring ID		Depth (Ft)	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Fines	%Silt	%Clay	
●	B-01	5 - 6.5	75	25.79	0.889		0.0	57.8	31.8	10.4			
☒	B-04	5 - 6.5	25	4.195	0.637		0.0	37.7	48.0	14.3			
▲	B-05	5 - 6.5	37.5	3.139	0.235		0.0	33.1	46.0	20.8			
★	B-06	2.5 - 4	37.5	5.421	0.616		0.0	42.3	46.6	11.1			



Specimen Identification	Compaction Pressure (psi)	R-Value at 300 psi
B-01	290.0	66

R-Value Test

Client: Raising Cane's Restaurant, LLC
Project: Raising Cane's C991
Site:
Project No.: ND225125

Client

Raising Cane's Restaurants, LLC

Project

Raising Cane's RC 991 Morgan Hill (Cochrane & Butterfield), CA

Sample Submitted By: Terracon (ND)

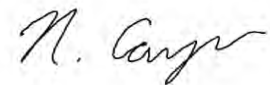
Date Received: 12/21/2022

Lab No.: 22-0833

Results of Corrosion Analysis

Sample Number	1
Sample Location	B-02
Sample Depth (ft.)	1.0-2.5
pH Analysis, ASTM G 51	7.34
Water Soluble Sulfate (SO ₄), ASTM C 1580 (mg/kg)	100
Sulfides, AWWA 4500-S D, (mg/kg)	Nil
Chlorides, ASTM D 512, (mg/kg)	47
Red-Ox, ASTM G 200, (mV)	+736
Total Salts, AWWA 2520 B, (mg/kg)	135
Saturated Minimum Resistivity, ASTM G 57, (ohm-cm)	5820

Analyzed By:



Nathan Campo
Engineering Technician II

The tests were performed in general accordance with applicable ASTM and AWWA test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Supporting Information

Contents:

General Notes

Unified Soil Classification System

Note: All attachments are one page unless noted above.

General Notes

Sampling	Water Level	Field Tests
 Modified Dames & Moore Ring Sampler  Grab Sample  Standard Penetration Test	 Water Initially Encountered  Water Level After a Specified Period of Time  Water Level After a Specified Period of Time  Cave In Encountered Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.	N Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer UC Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

Descriptive Soil Classification

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

Location And Elevation Notes

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See Exploration and Testing Procedures in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

Strength Terms

Relative Density of Coarse-Grained Soils (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance		Consistency of Fine-Grained Soils (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
Relative Density	Standard Penetration or N-Value (Blows/Ft.)	Consistency	Unconfined Compressive Strength Qu (tsf)	Standard Penetration or N-Value (Blows/Ft.)
Very Loose	0 - 3	Very Soft	less than 0.25	0 - 1
Loose	4 - 9	Soft	0.25 to 0.50	2 - 4
Medium Dense	10 - 29	Medium Stiff	0.50 to 1.00	4 - 8
Dense	30 - 50	Stiff	1.00 to 2.00	8 - 15
Very Dense	> 50	Very Stiff	2.00 to 4.00	15 - 30
		Hard	> 4.00	> 30

Relevance of Exploration and Laboratory Test Results

Exploration/field results and/or laboratory test data contained within this document are intended for application to the project as described in this document. Use of such exploration/field results and/or laboratory test data should not be used independently of this document.

Unified Soil Classification System

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification		
				Group Symbol	Group Name ^B	
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines ^C	Cu≥4 and 1≤Cc≤3 ^E	GW	Well-graded gravel ^F	
			Cu<4 and/or [Cc<1 or Cc>3.0] ^E	GP	Poorly graded gravel ^F	
		Gravels with Fines: More than 12% fines ^C	Fines classify as ML or MH	GM	Silty gravel ^{F, G, H}	
			Fines classify as CL or CH	GC	Clayey gravel ^{F, G, H}	
	Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands: Less than 5% fines ^D	Cu≥6 and 1≤Cc≤3 ^E	SW	Well-graded sand ^I	
			Cu<6 and/or [Cc<1 or Cc>3.0] ^E	SP	Poorly graded sand ^I	
		Sands with Fines: More than 12% fines ^D	Fines classify as ML or MH	SM	Silty sand ^{G, H, I}	
			Fines classify as CL or CH	SC	Clayey sand ^{G, H, I}	
Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic:	PI > 7 and plots above “A” line ^J	CL	Lean clay ^{K, L, M}	
			PI < 4 or plots below “A” line ^J	ML	Silt ^{K, L, M}	
		Organic:	$\frac{LL\text{ oven dried}}{LL\text{ not dried}} < 0.75$	OL	Organic clay ^{K, L, M, N} Organic silt ^{K, L, M, O}	
			Silts and Clays: Liquid limit 50 or more	Inorganic:	PI plots on or above “A” line	CH
	PI plots below “A” line	MH			Elastic silt ^{K, L, M}	
	Organic:	$\frac{LL\text{ oven dried}}{LL\text{ not dried}} < 0.75$		OH	Organic clay ^{K, L, M, P} Organic silt ^{K, L, M, Q}	
		Highly organic soils:		Primarily organic matter, dark in color, and organic odor		PT

^A Based on the material passing the 3-inch (75-mm) sieve.

^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.

^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^H If fines are organic, add "with organic fines" to group name.

^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

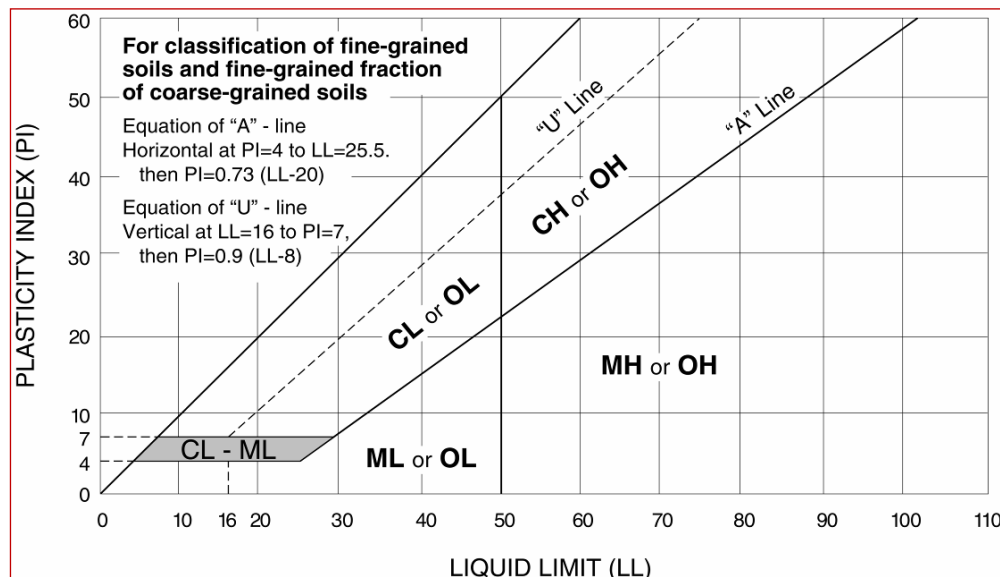
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

^O $PI < 4$ or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.



Appendix D

Phase I Environmental Site Assessment

Phase I Environmental Site Assessment

Raising Cane's #991

Eastern Corner of Cochrane Road & Butterfield Boulevard

Assessor Parcel Number (APN) 726-58-001

and a portion of APN 726-58-002

Morgan Hill, Santa Clara County, California

November 28, 2022

Terracon Project No. NB227249



Prepared for:

**Raising Cane's Restaurants, LLC
Plano, Texas**

Prepared by:

**Terracon Consultants, Inc.
Sacramento, California**

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

November 28, 2022



Raising Cane's Restaurants, LLC
6800 Bishop Road, Suite 210
Plano, Texas 75024-4274

Attn: Ms. Kristen Roberts
P: (626) 372-9474
E: KRoberts@raisingcanes.com

Re: Phase I Environmental Site Assessment
Raising Cane's #991
Eastern Corner of Cochrane Road & Butterfield Boulevard
Assessor Parcel Number (APN) 726-58-001 and a portion of APN 726-58-002
Morgan Hill, Santa Clara County, California 95037
Terracon Project No. NB227249

Dear Ms. Roberts:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. PNB227249 dated November 3, 2022.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read "S. Calderon".

Santiago Calderon
Assistant Geologist

A handwritten signature in black ink, appearing to read "Tony P. Mikacich".

Tony P. Mikacich, P.G. 9918
Senior Geologist

A handwritten signature in black ink, appearing to read "Sadie Bodiford".

Sadie Bodiford
Project Manager

Attachments



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Environmental

Facilities

Geotechnical

Materials

TABLE OF CONTENTS

	Page No.
EXECUTIVE SUMMARY	i
Findings and Opinions	i
Significant Data Gaps	iv
Conclusions	iv
1.0 INTRODUCTION	1
1.1 Site Description	1
1.2 Scope of Services.....	1
1.3 Standard of Care	2
1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps.....	2
1.5 Reliance	3
1.6 Client Provided Information.....	3
2.0 PHYSICAL SETTING	4
3.0 HISTORICAL USE INFORMATION	5
3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps.....	5
3.2 Historical City Directories.....	6
3.3 Site Ownership	7
3.4 Title Search	7
3.5 Environmental Liens and Activity and Use Limitations	7
3.6 Interview Regarding Current and Historical Site Uses	7
3.7 Prior Report Review	8
4.0 RECORDS REVIEW	10
4.1 Federal and State/Tribal Databases.....	11
4.2 Local Agency Inquiries.....	12
4.3 Local Area Knowledge	13
5.0 SITE RECONNAISSANCE	13
5.1 General Site Information	13
5.2 Overview of Current Site Occupants	14
5.3 Overview of Current Site Operations.....	14
5.4 Site Observations	14
6.0 ADJOINING PROPERTY RECONNAISSANCE.....	16
7.0 ADDITIONAL SERVICES	16
8.0 DECLARATION.....	17

TABLE OF CONTENTS (continued)

APPENDICES

APPENDIX A	Exhibit 1 - Topographic Map, Exhibit 2 - Site Diagram
APPENDIX B	Site Photographs
APPENDIX C	Historical Documentation and User Questionnaire
APPENDIX D	Environmental Database Information
APPENDIX E	Credentials
APPENDIX F	Description of Terms and Acronyms

EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PNB227249, dated November 3, 2022, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Sadie Bodiford, Environmental Professional. Santiago Calderon Sierra performed the site reconnaissance on November 10, 2022.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at the eastern corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, Santa Clara County, California and consists of approximately 1.93-acre tract of vacant land consisting of Assessor Parcel Number (APN) 726-58-001 and a portion of APN 726-58-002. The site is improved with an asphalt-paved road on the southern portion of the site, utilities, and limited landscaping. During the site reconnaissance, the site was vacant.

Historical Information

Based on a review of the historical information the site consisted of undeveloped land from as early as the mid-1910s. The site was used for orchards in 1939, and was converted to vacant land by the early 1940s. The site remained as vacant land through 2020, when the existing roadways were developed.

The adjoining properties consisted of undeveloped land from as early as the mid-1910s and orchards in the late 1930s. The northeastern and southeastern adjoining properties consisted of vacant land from the early-1940s through 2020, when the existing roadways were developed. The southwestern adjoining properties consisted of vacant land from early-1940s to the early-1980s, and were developed with the existing residential structures in the late-1990s. The northwestern adjoining properties consisted of orchards from the late-1930s through the mid-1970s, and were developed with Cochrane Road and several commercial structures by early 1980s. The northwestern adjoining properties were further developed with the existing residential, commercial and warehouse structures from the late-1990s to mid-2010s. Based on a review of the historical information, Recognized Environmental Conditions (RECs) were not identified in connection with the site.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the environmental regulatory database. The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Prior Report Review

The following previous environmental reports were provided by the client to Terracon for review. Additionally, previous environmental reports assessed the site and surrounding parcels; however, for the purposes of this report, Terracon will refer to the area inspected on the reports as the “assessed area” and the site will be continuing to be the site assessed by Terracon.

Environmental Report	Summary
Phase I ESA – Morgan Hill Assessor Parcel Numbers (APNs): 726-44-001, 726-32-001, -010, and -005; and 726-25-012, 022, and -021 Morgan Hill, California Date: January 6, 1999 Prepared for: Morgan Hill Development Partners, LP Prepared by: Lowney Associates	On January 6, 1999, Lowney Associates (Lowney) prepared a Phase I ESA report for the site and surrounding parcels totaling approximately 164.155-acres (the “assessed area”). At the time of Lowney's inspection, the assessed area consisted of undeveloped land with some areas graded for construction. Historically, the assessed area had reportedly been used for agricultural land uses. Lowney Associates did not identify any RECs associated with the assessed area and recommended no further investigation.
Phase I ESA Update and Soil and Groundwater Quality Evaluation – Cochrane Road Site (APNs): 726-32-01 and 726-25-022 Morgan Hill, California Date: July 14, 2000 Prepared for: Altera Corporation Prepared by: Lowney Associates	On July 14, 2000, Lowney Associates (Lowney) prepared a Phase I ESA update as well as a Soil and Groundwater Quality Evaluation for the site and surrounding parcels. The assessed area consisted of a 20-acre tract of land identified as APNs 726-32-01 and 726-25-022, which included the site and adjoining eastern and southern properties. At the time of Lowney' site inspection, the assessed area was undeveloped and was generally overgrown with weeds. On July 6, 2000, Lowney's performed a subsurface investigation to evaluate for the potential impacts of historical agricultural land uses conducted at the assessed area. Reported low detections of dichlorodiphenyltrichloroethane (DDT) and dieldrin were identified in several soil samples; however, it should be noted that laboratory reports were not appended with this report, and the report did not indicate which samples were reported with the low concentrations of DDT and dieldrin. No additional analytes of concern were noted in soil and groundwater samples.

Environmental Report	Summary
	In addition to the soil and groundwater sampling, a geophysical survey was conducted on the assessed area to evaluate for the presence of buried metallic structures. A concrete pad with rebar and concrete debris with metal pipe were identified. The metal pipe was reported to be on the southern portion of the assessed area, located off-site. Lowney recommended no further investigation.
Phase I ESA Vacant Properties Assessor Parcel Numbers (APNs): 726-25-035 and 726-32-021 Morgan Hill, California Date: November 5, 2007 Prepared for: South Bay Development Co. Prepared by: Geologica Inc.	On November 5, 2007, Geologica Inc. (Geologica) prepared a Phase I ESA for the site and surrounding parcels. The assessed area consisted of approximately 20 acres of vacant land bounded by Cochrane Road, Butterfield Boulevard and Jarvis Drive. RECs were not identified, and no further investigation was recommended.
Phase I ESA Proposed Commercial Development East Corner of Cochrane Road and Butterfield Boulevard Morgan Hill, California Date: November 16, 2017 Prepared for: Evergreen Devco, Inc Prepared by: SALEM Engineering Group, Inc	On November 16, 2017, SALEM Engineering Group, Inc (SALEM) prepared a Phase I ESA for the site and surrounding parcels. The assessed area consisted of approximately 20 acres of vacant land including the site and adjoining eastern and southern properties. SALEM's Phase I ESA report did not identify any RECs associated with the site and recommendations were not provided.
Phase I ESA Proposed Commercial Development Update East Corner of Cochrane Road and Butterfield Boulevard Morgan Hill, California Date: October 24, 2018 Prepared for: Evergreen Devco, Inc Prepared by: SALEM Engineering Group, Inc	On October 24, 2018, SALEM Engineering Group, Inc (SALEM) prepared a Phase I ESA Update for the site and surrounding parcels. The assessed area was the same as their 2017 report. RECs were not identified in connection with the site and recommendations were not provided.

Based on a review of the provided previous environmental reports, RECs were not identified in connection with the site.

Site Reconnaissance

During the site reconnaissance, Terracon observed minor amounts of trash, consisting of typical municipal litter items such as bottles, plastic, and miscellaneous food wrappers throughout the

site. Staining, noxious odors, or evidence of hazardous materials disposal were not observed. Based on site observations, the observed site features do not represent a REC to the site.

Adjoining Properties

The northeastern and southeastern adjoining properties consists of an asphalt-paved road and graded vacant land. The southwestern adjoining properties consists of Butterfield Boulevard follow by Cochrane Village apartments (18555 Butterfield Boulevard). The northwestern adjoining properties consists of Cochrane Road follow by single-family residence (315 Cochrane Road) and Adams Court. RECs were not observed with the adjoining properties.

Significant Data Gaps

Significant data gaps were not identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at Eastern Corner of Cochrane Road & Butterfield Boulevard Assessor Parcel Number (APN) 726-58-001 and a portion of APN 726-58-002, Morgan Hill, Santa Clara County, California, the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CRECs) were not identified in connection with the site.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Raising Cane's #991
Site Location/Address	Eastern Corner of Cochrane Road & Butterfield Boulevard Assessor Parcel Number (APN) 726-58-001 and a portion of APN 726-58-002, Morgan Hill, Santa Clara County, California
Land Area	Approximately 1.93 acres.
Site Improvements	Vacant land with an asphalt-paved road on southern portion, utilities, and limited landscaping.
Anticipated Future Site Use	Develop with a Raising Cane's restaurant.
Reason for the ESA	Leasing the site.

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PNB227249, dated November 3, 2022, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services,

regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Raising Cane's Restaurants, LLC. Use or reliance by any other party is prohibited without the written authorization of Raising Cane's Restaurants, LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Jay Higgins, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

Terracon's consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 365 feet above mean sea level (msl).	USGS Topographic Map, Morgan Hill & Mount Madonna, California Quadrangles, 1980 (Appendix A)
Topographic Gradient	Relatively flat area with general gradient towards the west-southwest.	
Closest Surface Water	Coyote Creek, approximately 1.2 miles north of the site.	
Soil Characteristics		
Soil Type and Description	<u>Arbuckle gravelly loam (90%)</u> This soil, located in the majority of the site, is well drained with 0 to 2 percent slopes. Parent material consists of alluvium derived from sedimentary rock. The typical soil profile consists of gravelly loam down to 40 inches below ground surface (bgs) followed by very gravelly sandy loam to a total depth of 60 inches bgs. <u>Cortina very gravelly loam (10%)</u> This soil, located in the northwestern corner of the site, is somewhat excessively drained with 0 to 5 percent slopes. Parent material consists of gravelly alluvium derived from metamorphic and sedimentary rock. The typical soil profile consists of very	Santa Clara County, California USDA-NRCS Web Soil Survey issued September 13, 2022.

Physical Setting Information		Source
	gravelly loam down to 8 inches bgs underlain by extremely gravelly fine sandy loam to 28 inches bgs, followed by extremely gravelly sandy loam to a total depth of 60 inches bgs.	
Geology/Hydrogeology		
Formation	Quaternary deposits (Q _{oa})	California Department of Conservation, Geologic Map of California , dated 2010
Description	Older alluvium, lake, playa, and terrace deposits.	
Estimated Depth to First Occurrence of Groundwater	Approximately 42 to 43 feet bgs measured in borings advanced on the site and adjoining eastern properties.	Lowney Associates, Phase I ESA Update and Soil and Groundwater Quality Evaluation Cochrane Road Site, dated July 14, 2000.
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the west-southwest).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic maps:
 - Morgan Hill, California, published in **1917** and **1939** (1:62,500)
 - Morgan Hill, California, published in **1955, 1968, 1973, 1980, 2012, 2015, and 2018** (1:24,000)

- Mt. Madonna, California, published in **1953, 1968, 1980, 2012, 2015, and 2018** (1:24,000)
- Aerial photograph: Source, photo ID#, date, scale
 - USDA, published in **1939, 1940, 1948, 1950, 1956, and 1982** (1"=500')
 - EDR Proprietary Aerial Viewpoint, published in **1963** (1"=500')
 - USGS, published in **1968, 1970, and 1974** (1"=500')
 - USGS/DOQQ, published in **1998** (1"=500')
 - USDA/NAIP, published in **2006, 2009, 2012, and 2016** (1"=500')

Historical Maps and Aerial Photographs

Direction	Description
Site	Undeveloped land (1917); developed with orchards (1939); vacant land (1940-2016).
Northeast	Undeveloped land (1917); developed with orchards (1939); vacant land (1940-2016).
Southeast	Undeveloped land (1917); developed with orchards (1939); vacant land (1940-1998); vacant land followed by Jarvis Drive (2006-2016).
Southwest	Undeveloped land (1917); developed with orchards (1939); vacant land (1940-1982); graded land followed by existing apartments under construction (1998); developed with Butterfield Boulevard and existing apartments (2009-2016).
Northwest	Cochran Road follow by undeveloped land (1917); developed with orchards (1939-1974); renamed as Cochran Road followed by two commercial structures (1982); developed with the existing single-family residence and commercial buildings (1998-2016).

The site was utilized for orchards in at least 1939 which may have included the use of pesticides and herbicides. During the review of historic information and site reconnaissance, Terracon did not identify information that would indicate the extensive use, storage, or manufacturing of pesticides or herbicides on the site. In addition, the surrounding area have been redeveloped, with no reported incidents or impacts that may be attributed to historical use as orchards or row crops. Therefore, the historical agricultural use does not represent a REC to the site.

3.2 Historical City Directories

The Polk's City Directory, Haines Criss-Cross Directory and EDR Digital Archive city directories used in this study were made available through EDR (selected years reviewed: 1964 through 2017) and were reviewed at approximate five-year intervals, if readily available. Street listings were not available prior to 1971. Based on information obtained from the Santa Clara County Assessor's office, the site does not currently have an assigned address.

Historical City Directories

Direction	Description
Site	None – vacant land.
Northeast	None – vacant land.

Direction	Description
Southeast	None – vacant land.
Southwest	18555 Butterfield Boulevard: Multi-tenant apartment listing (2000-2017).
Northwest	315 Cochrane Road: Single-family residence listing (1971-2017).

Based on a review of the historical city directories, RECs were not identified in connection with the site.

3.3 Site Ownership

Based on a review of information obtained from the Santa Clara County Assessor's records, the current site owner is Evergreen-Butterfield Cochrane LLC which acquired the site on December 5, 2018. Previous owners were not identified.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interview Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

Interview

Interviewer	Name / Phone #	Title	Date / Time
Hilary Kane	Zach Lauterbach / (602) -808-8600	Vice President of Evergreen- Butterfield & Cochrane LLC	November 4, 2022 / 2:30 PM

Terracon interviewed Mr. Zach Lauterbach, Vice President for Evergreen-Butterfield & Cochrane, LLC, via email, who has been familiar with the site for approximately four years. Mr. Lauterbach stated that the site was acquired by Evergreen-Butterfield & Cochrane, LLC on December 5,

2018. He further stated that the site has no current operations and consists of vacant land pending development. Mr. Lauterbach provided previous environmental reports to Terracon for review relating to any potential environmental concerns for the site, which are further discussed below in Section 3.7.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were provided by the client to Terracon for review.

- Phase I ESA – Morgan Hill
Assessor Parcel Numbers (APNs): 726-44-001, 726-32-001, -010, and -005; and
726-25-012, 022, and -021
Morgan Hill, California
Date: January 6, 1999
Prepared for: Morgan Hill Development Partners, LP
Prepared by: Lowney Associates

On January 6, 1999, Lowney Associates (Lowney) prepared a Phase I ESA report for the site and surrounding parcels totaling approximately 164.155-acres. For the purposes of this discussion, the area assessed by Lowney will be referred to as the “assessed area” and the site will continue to reference the site assessed by Terracon. At the time of Lowney’s inspection, the assessed area consisted of undeveloped land with some areas graded for construction. Construction trailers, construction equipment, pipes, and stockpiles of soil north of Sutter Boulevard were observed. Historically, the assessed area had reportedly been used for agricultural land uses. Lowney Associates did not identify any RECs associated with the assessed area and recommended no further investigation.

- Phase I ESA Update and Soil and Groundwater Quality Evaluation – Cochrane Road Site
(APNs): 726-32-01 and 726-25-022
Morgan Hill, California
Date: July 14, 2000
Prepared for: Altera Corporation
Prepared by: Lowney Associates

On July 14, 2000, Lowney Associates (Lowney) prepared a Phase I ESA update as well as a Soil and Groundwater Quality Evaluation for the site and surrounding parcels. The assessed area consisted of a 20-acre tract of land identified as APNs 726-32-01 and 726-25-022, which included the site and adjoining eastern and southern properties. At the time of Lowney’ site inspection, the assessed area was undeveloped and was generally overgrown with weeds.

Phase I Environmental Site Assessment

Raising Cane's #991 ■ Morgan Hill, California

November 28, 2022 ■ Terracon Project No. NB227249



On July 6, 2000, Lowney's performed a subsurface investigation to evaluate for the potential impacts of historical agricultural land uses conducted at the assessed area. Sixteen three-foot soil borings were advanced on the assessed area, with at least two of the borings, and potentially a third, located within the site boundary. Additionally, four additional borings advanced in conjunction with a geotechnical investigation on the assessed area were sampled for soil and groundwater.

Twenty soil samples were submitted for laboratory analysis of organochlorine pesticides (OCPs), mercury, lead, and arsenic. Additionally, three other soil samples were submitted for laboratory analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, xylenes (BTEX), halogenated volatile organic compounds (HVOCs), California Administrative Manual (CAM) 17 metals, semi-VOCs (SVOCs), polychlorinated biphenyls (PCBs), pH, and asbestos. None of the analytes were detected with the exception of dichlorodiphenyltrichloroethane (DDT) and dieldrin. Lowney reported that four soil samples contained "background level" concentrations of DDT and dieldrin. It should be noted that laboratory reports were not appended with this report and the report did not indicate which samples were reported with the low concentrations of DDT and dieldrin.

Three grab groundwater samples were collected and analyzed for TPH, BTEX, methyl tert butyl ether (MTBE), OCPs, HVOCs, CAM 17 metals, SVOCs, PCBs, and pH. Lowney reported that the groundwater samples contained some metals concentrations above EPA Maximum Contaminant Levels (MCLs); however, this was likely due to the turbid nature of the samples collected as they were not filtered prior to collection or analysis. The remaining analytes were reportedly non-detect. Groundwater pH ranged from 7.7 to 8.2.

In addition to the soil and groundwater sampling, a geophysical survey was conducted on the assessed area to evaluate for the presence of buried metallic structures. A concrete pad with rebar and concrete debris with metal pipe were identified. The metal pipe was reported to be on the southern portion of the assessed area, located off-site.

Lowney recommended no further investigation.

- Phase I ESA Vacant Properties
Assessor Parcel Numbers (APNs): 726-25-*035 and 726-32-021
Morgan Hill, California
Date: November 5, 2007
Prepared for: South Bay Development Co.
Prepared by: Geologica Inc.

On November 5, 2007, Geologica Inc. (Geologica) prepared a Phase I ESA for the site and surrounding parcels. The assessed area consisted of approximately 20 acres of vacant land bounded by Cochrane Road, Butterfield Boulevard and Jarvis Drive. At the time of Geologica site inspection, the site consisted of vacant land with overgrown grass and evidence of dumping or

illegal disposal on-site and surrounding parcels was not observed. RECs were not identified, and no further investigation was recommended.

- Phase I ESA Proposed Commercial Development
East Corner of Cochrane Road and Butterfield Boulevard
Morgan Hill, California
Date: November 16, 2017
Prepared for: Evergreen Devco, Inc
Prepared by: SALEM Engineering Group, Inc

On November 16, 2017, SALEM Engineering Group, Inc (SALEM) prepared a Phase I ESA for the site and surrounding parcels. The assessed area consisted of approximately 20 acres of vacant land including the site and adjoining eastern and southern properties. SALEM's Phase I ESA report did not identify any RECs associated with the site and recommendations were not provided.

- Phase I ESA Proposed Commercial Development Update
East Corner of Cochrane Road and Butterfield Boulevard
Morgan Hill, California
Date: October 24, 2018
Prepared for: Evergreen Devco, Inc
Prepared by: SALEM Engineering Group, Inc

On October 24, 2018, SALEM Engineering Group, Inc (SALEM) prepared a Phase I ESA Update for the site and surrounding parcels. The assessed area was the same as their 2017 report. RECs were not identified in connection with the site and recommendations were not provided.

Based on a review of the provided previous environmental reports, RECs were not identified in connection with the site.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of

on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	0
ERNS	Emergency Response Notification System	Site	0
IC / EC	Institutional Control/Engineering Control	Site	0
NPL	National Priorities List	1.0	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1.0	0
RCRA Generators	Resource Conservation and Recovery Act	Site and adjoining properties	5
RCRA Non-CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AST	Aboveground Storage Tank Facilities	Site and adjoining properties	1
CERS HAZ WASTE	CalEPA Regulated Site Portal Hazardous Waste	0.25	11
CERS TANKS	CalEPA Regulated Site Portal Tanks	Site and adjoining properties	1
CPS-SLIC	Cleanup Program Sites – Spills, Leaks, Investigations, and Cleanups Cases	0.5	2

Database	Description	Distance (miles)	Listings
CUPA Listings	Certified Unified Program Agency Facility Listing	0.25	25
DEED	Deed Restriction Listing	0.5	1
ENVIROSTOR	EnviroStor Database	1.0	3
HIST CORTESE	Hazardous Waste & Substances Site List	0.5	2
HWP	EnviroStor Permitted Facilities Listing	1.0	1
RCRA NonGen/NLR	Resource Conservation and Recovery Act Non-Generators / No Longer Regulated	0.25	13
UST	Underground Storage Tank Facilities	Site and adjoining properties	0
WDS	Waste Discharge System	Site	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site is not identified in the environmental regulatory database. The facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed one facility in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted / Contact Method	Response
Santa Clara County Environmental Health Department / Online	On November 4, 2022, Terracon received a response from the agency indicating records were not identified for the site.
Bay Area Air Quality Management District / Online	On November 7, 2022, Terracon received a response from the agency indicating due to the lack of assigned address, records were not identified for the site.

Agency Contacted / Contact Method	Response
City of Morgan Hill City Clerk / Online	On November 11, 2022, Terracon received a response from the agency indicating records were identified for the site. Building permits associated with the site are dated from 2019 and correspond to the construction of illuminated signs, grading of the site, paving, underground utilities and landscaping. Additionally, violations in connection with the site were found dated from 2005 corresponding to illegal diskings of the site and weeds at the edge of the road. Based on the nature of records reviewed, RECs were not identified.
City of Morgan Hill Fire Department / Online	On November 11, 2022, Terracon received a response from the agency indicating records were found for the site. A permit for the installation of fire hydrants and underground fire suppression lines was issued in 2020.
Central Coast Water Board / centralcoast@waterboards.ca.gov	On November 3, 2022, Terracon received a response from the agency indicating records associated with the site were not found.
Department of Toxic Substances Control (DTSC) / PubRegAct@dtsc.ca.gov	On November 7, 2022, Terracon received a response from the agency indicating records associated with the site were not found.

4.3 Local Area Knowledge

Based on a review of the California Department of Conservation's Geologic Energy Management Division (CalGEM) Well Finder [website](#), there are no active or decommissioned oil or gas production wells located on the site or surrounding properties.

Based on a review of the National Pipeline Mapping System (NPMS) Public Viewer [website](#), hazardous liquid or gas transmission pipelines were not identified on the site or surrounding properties.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Santiago Calderon Sierra
Reconnaissance Date	November 10, 2022
Weather Conditions	Sunny, 55°F
Site Contact/Title	None.

5.2 Overview of Current Site Occupants

During the site reconnaissance, the site was unoccupied.

5.3 Overview of Current Site Operations

No active operations.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	

Category	Item or Feature	Observed or Identified
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

Releases or Potential Releases

Trash, debris and/or other waste materials

Minor amounts of trash, consisting of typical municipal litter items such as bottles, plastic, and miscellaneous food wrappers were observed throughout the site. Staining, noxious odors, or evidence of hazardous materials disposal were not observed. Based on site observations, the debris materials did not appear to be hazardous in nature and do not represent a REC.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
Northeast	The northeastern adjoining properties consist of an asphalt-paved road and graded vacant land.
Southeast	The southeastern adjoining properties consist of an asphalt-paved road and graded vacant land.
Southwest	The southwestern adjoining properties consist of Butterfield Boulevard follow by Cochrane Village apartments (18555 Butterfield Boulevard).
Northwest	The northwestern adjoining properties consists of Cochrane Road follow by a single-family residence (315 Cochrane Road) and Adams Court.

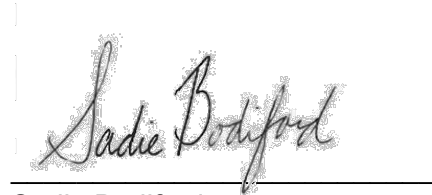
RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

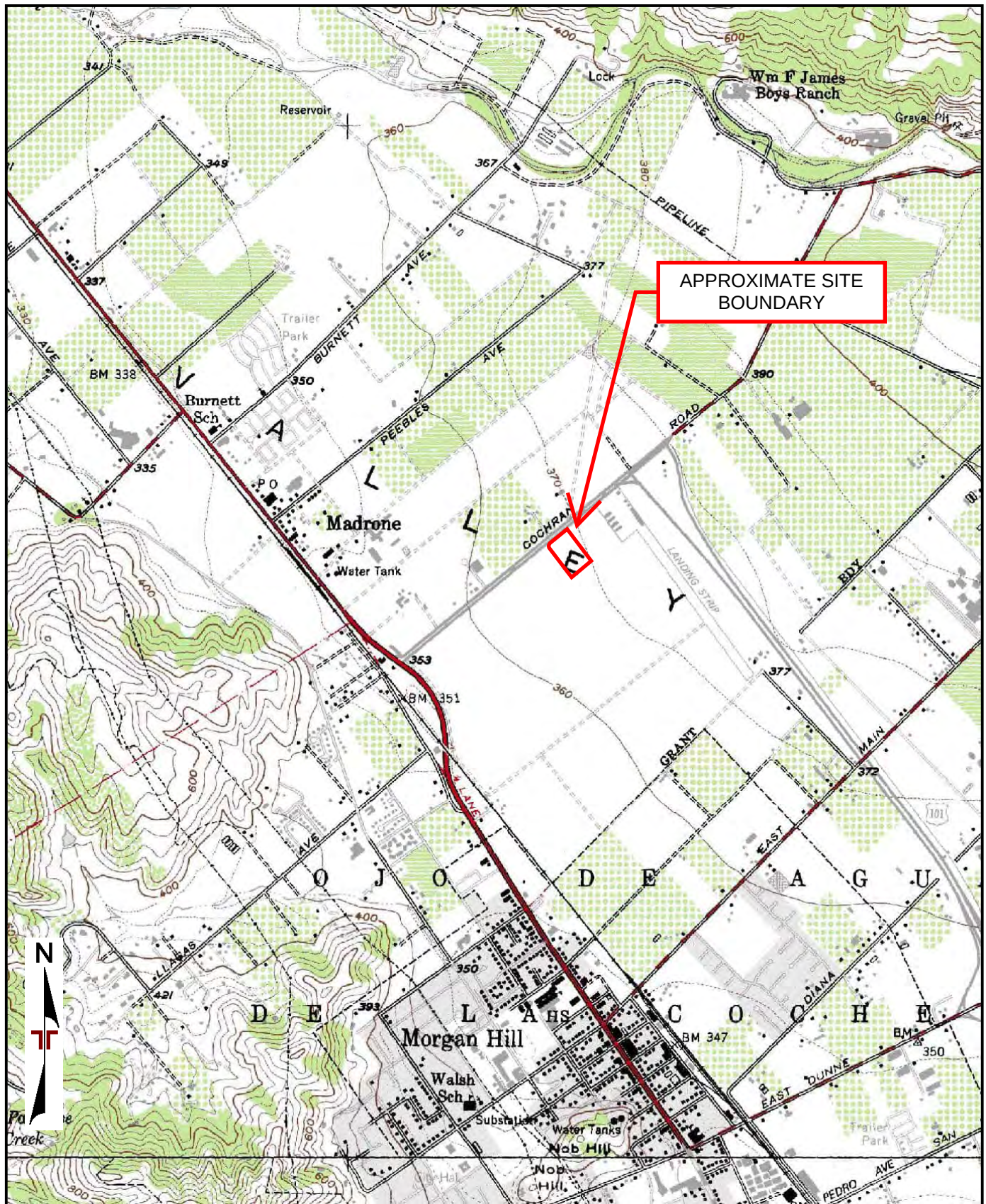
8.0 DECLARATION

I, Sadie Bodiford, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in cursive script that reads "Sadie Bodiford". The signature is written in dark ink and is positioned above a horizontal line.

Sadie Bodiford
Project Manager

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: MORGAN HILL, CA (1/1/1980) and MT MADONNA, CA (1/1/1996).

Project Manager: HK	Project No. NB227249	 50 Goldenland Court, Suite 100 Sacramento, California 95834	TOPOGRAPHIC MAP RAISING CANE'S #991 EASTERN CORNER OF COCHRANE ROAD & BUTTERFIELD BOULEVARD MORGAN HILL, SANTA CLARA COUNTY, CALIFORNIA	Exhibit
Drawn by: SCS	Scale: 1"=2,000'			
Checked by: SB	File Name: EX1			
Approved by: SB	Date: NOV 2022			1



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Manager: HK	Project No. NB227249	 50 Goldenland Court, Suite 100 Sacramento, California 95834	SITE DIAGRAM RAISING CANE'S #991 EASTERN CORNER OF COCHRANE ROAD & BUTTERFIELD BOULEVARD MORGAN HILL, SANTA CLARA COUNTY, CALIFORNIA	Exhibit 2
Drawn by: SCS	Scale: AS SHOWN			
Checked by: SB	File Name: EX2			
Approved by: SB	Date: NOV 2022			

APPENDIX B

SITE PHOTOGRAPHS



Photo #1 View of the northern corner of the site looking south.



Photo #2 View of the eastern corner of the site looking northwest.



Photo #3 View of the southern corner of the site looking north.



Photo #4 View of the western corner of the site looking southeast.



Photo #5 View of general municipal litter throughout the site.



Photo #6 View of utility pipe located on the southern portion of the site.



Photo #7 View of vacant land located to the adjoining northeast of the site.



Photo #8 View of the southeastern adjoining property.



Photo #9 View of Butterfield Boulevard followed by Cochrane Village (18555 Butterfield Boulevard) located to the adjoining



Photo #10 View of Cochrane Road followed by a residence (315 Cochrane Road) located to the adjoining northwest of

APPENDIX C

HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Person Completing Questionnaire	Name: Jay Higgins Company:	Phone: 805-637-6670 Email: jayd@higginsland.com
Site Name	Morgan Hill (Cochrane & Butterfield)	
Site Address		
Point of Contact for Access	Zach Lauterbach Vice President 2390 East Camelback Road, Suite 410, Phoenix, Arizona 85016 Phone: 602.808.8600 Fax: 602.567.7126 Direct: 602.567.7125 zlauterbach@evgre.com Zach Lauterbach Vice President 2390 East Camelback Road, Suite 410, Phoenix, Arizona 85016	
Access Restrictions or Special Site Requirements?	x__No __Yes (If yes, please explain)	
Confidentiality Requirements?	__No __x_Yes (If yes, please explain) standard	
Current Site Owner	Zach Lauterbach Vice President	Zach Lauterbach Vice President
Current Site Operator	Zach Lauterbach Vice President	Zach Lauterbach Vice President
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	Future commercial building	
Anticipated Future Site Use	March 2024	
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
ASTM User Questionnaire In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.		
1) 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 (40 CFR 312.25)? __x__No __Yes __Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)		
2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (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 (40 CFR 312.26)? __x__No __Yes __Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)		
3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? __x__No __Yes (If yes, explain below)		
4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? __x__No __Yes __Not applicable (If yes, explain below)		
5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? x__No __Yes (If yes, explain below)		

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)?

☒ No ☐ Yes (If yes, explain below)

Comments or explanations:

Please return this form with the signed authorization to proceed.

RAISING CANES #991

Not Reported

MORGAN HILL, CA 95037

Inquiry Number: 7169882.8

November 04, 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

11/04/22

Site Name:

RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037
EDR Inquiry # 7169882.8

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Santiago Calderon Sierra



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: August 21, 1998	USGS/DOQQ
1982	1"=500'	Flight Date: July 05, 1982	USDA
1974	1"=500'	Flight Date: July 12, 1974	USGS
1970	1"=500'	Flight Date: April 24, 1970	USGS
1968	1"=500'	Flight Date: June 14, 1968	USGS
1963	1"=500'	Flight Date: June 24, 1963	EDR Proprietary Aerial Viewpoint
1956	1"=500'	Flight Date: June 12, 1956	USDA
1950	1"=500'	Flight Date: March 06, 1950	USDA
1948	1"=500'	Flight Date: September 26, 1948	USDA
1940	1"=500'	Flight Date: June 09, 1940	USDA
1939	1"=500'	Flight Date: October 20, 1939	USDA

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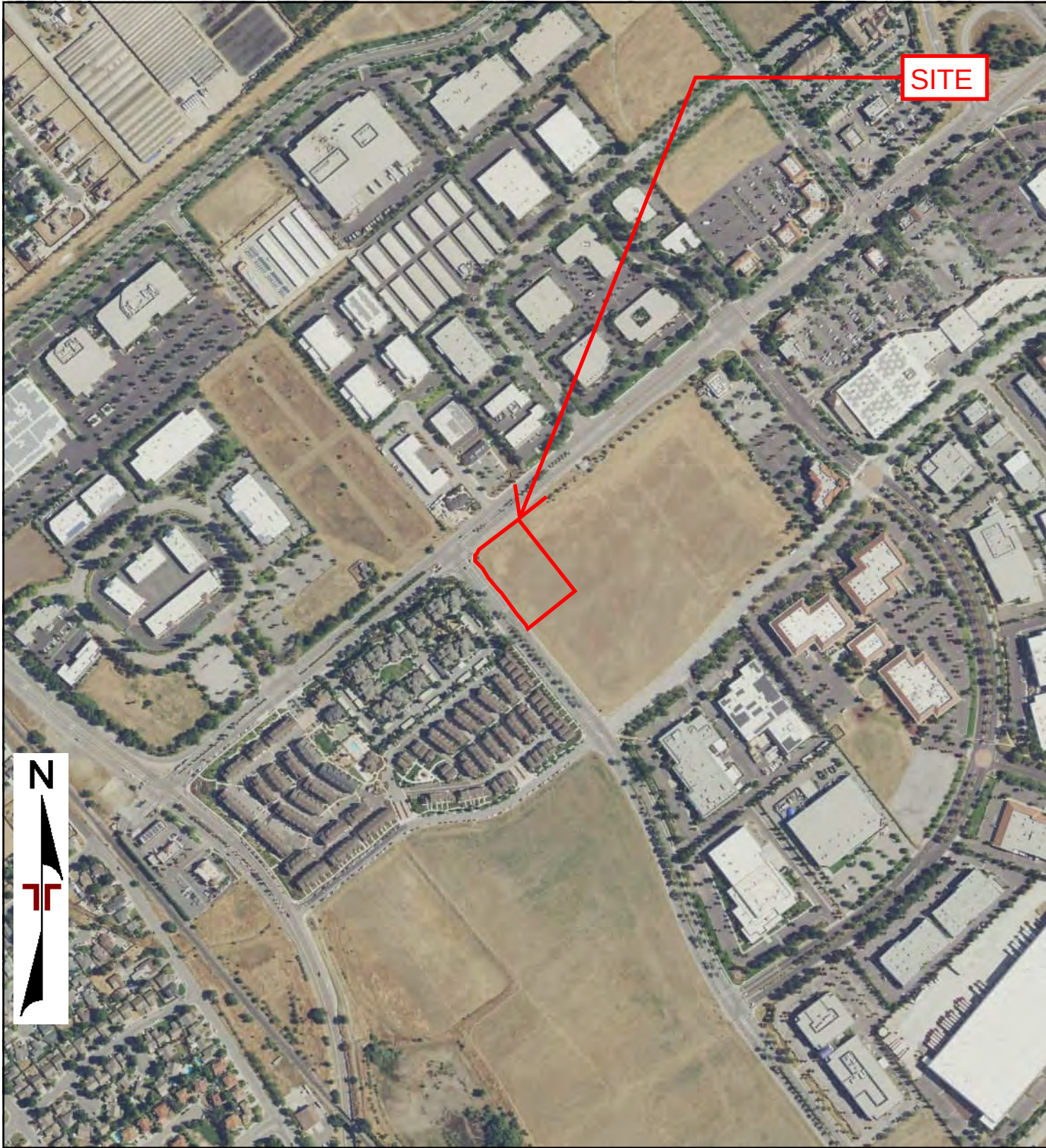
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0 Feet

500

1000

2000

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Checked By:	File Name:			
Approved By:	Date: 2016			



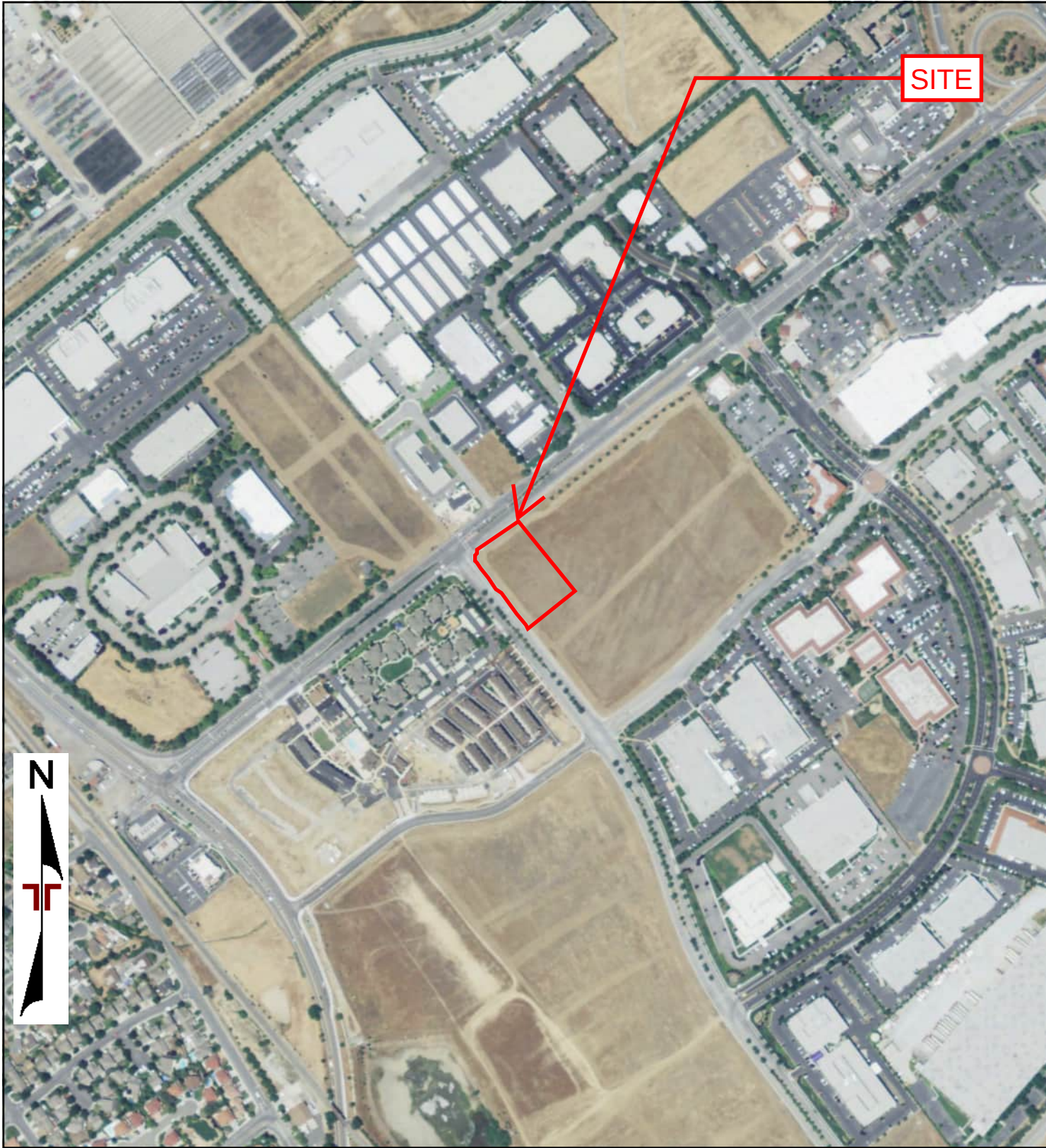
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Checked By:	File Name:			
Approved By:	Date: 2012			



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500

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2000

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Drawn By:	Scale:			
Checked By:	File Name:			
Approved By:	Date: 2009			



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Project Manager:

Project No:

Drawn By:

Scale:

Checked By:

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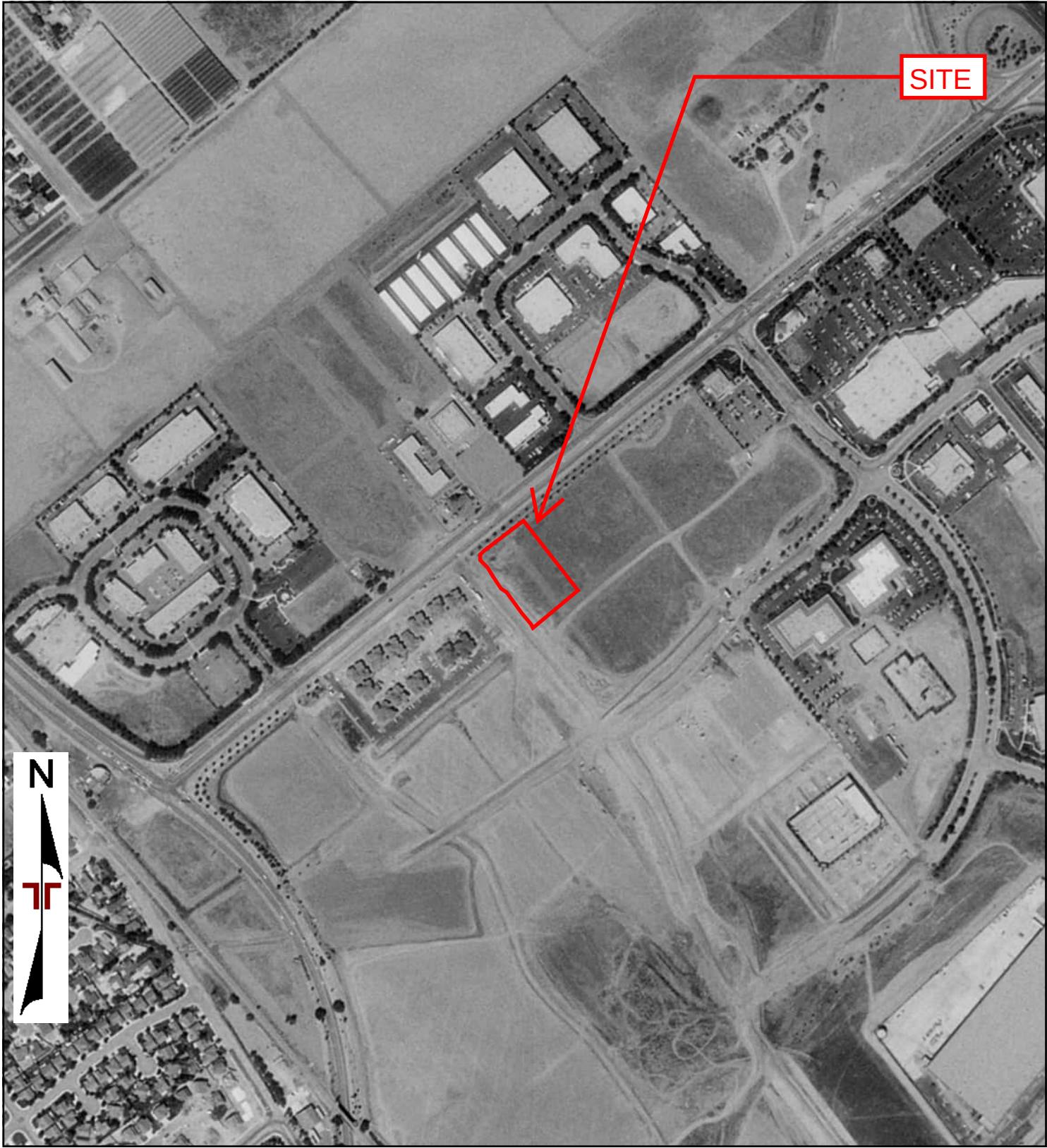
Approved By:

Date:

2006

Terracon

2006 AERIAL PHOTOGRAPH



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Project Manager:	Project No:
Drawn By:	Scale:
Checked By:	File Name:
Approved By:	Date: 1998



1998 AERIAL PHOTOGRAPH	



0 Feet 500 1000 2000

Project Manager:
Drawn By:
Checked By:
Approved By:

Project No:
Scale:
File Name:
Date:
1982



1982 AERIAL PHOTOGRAPH

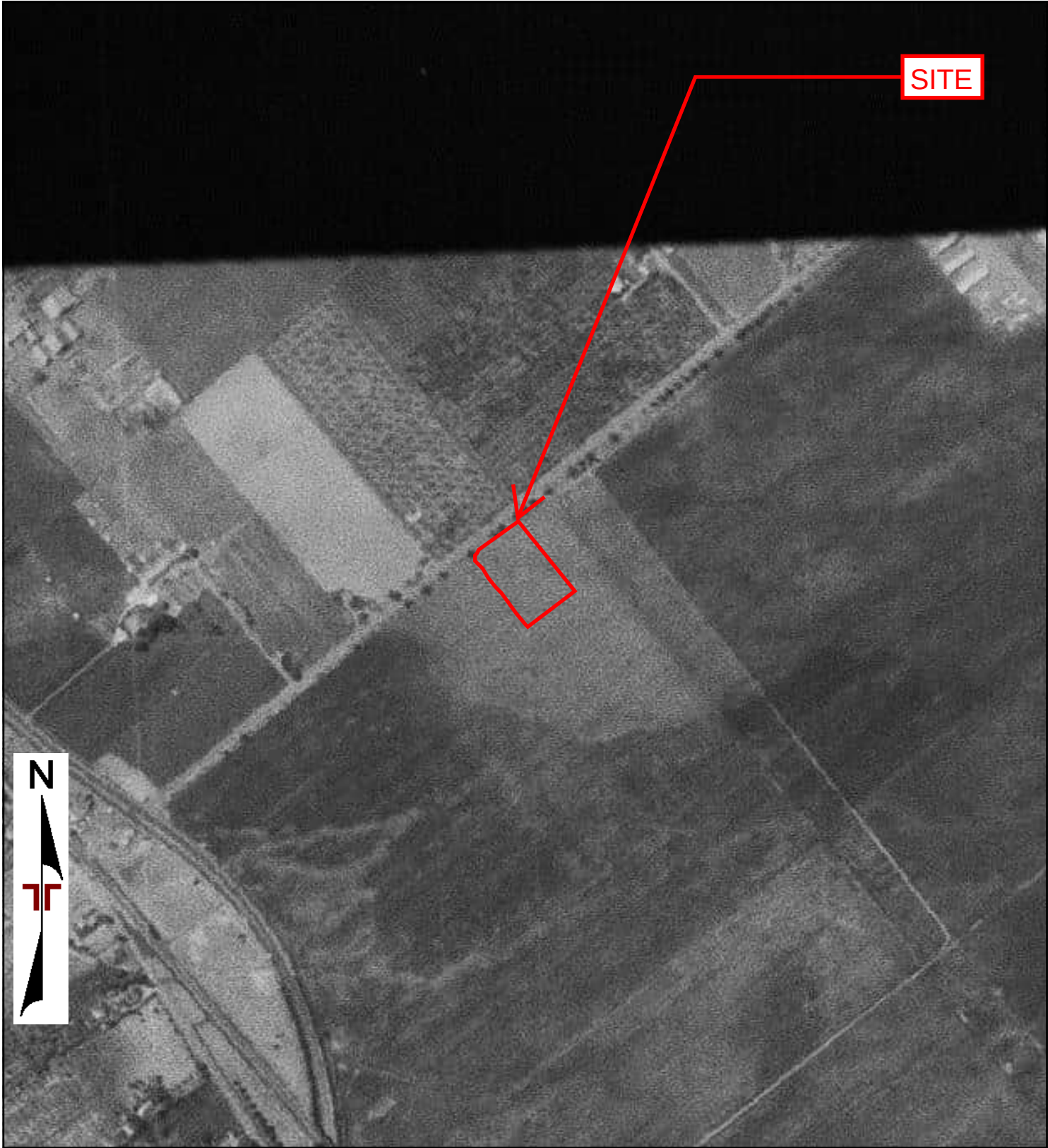


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Approved By:	Date: 1974



1974 AERIAL PHOTOGRAPH	

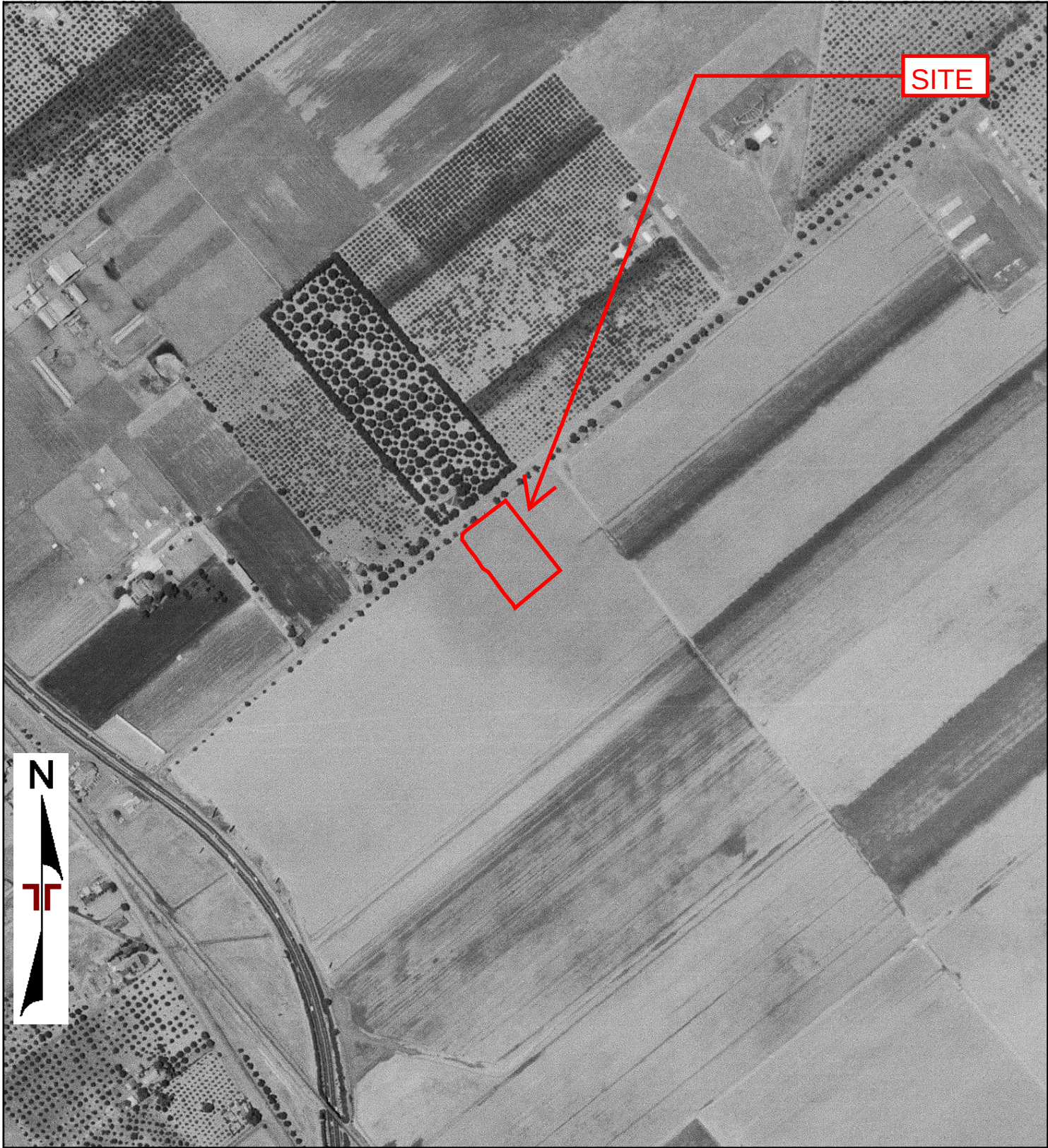


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Project Manager:	Project No:
Drawn By:	Scale:
Checked By:	File Name:
Approved By:	Date: 1970



1970 AERIAL PHOTOGRAPH	

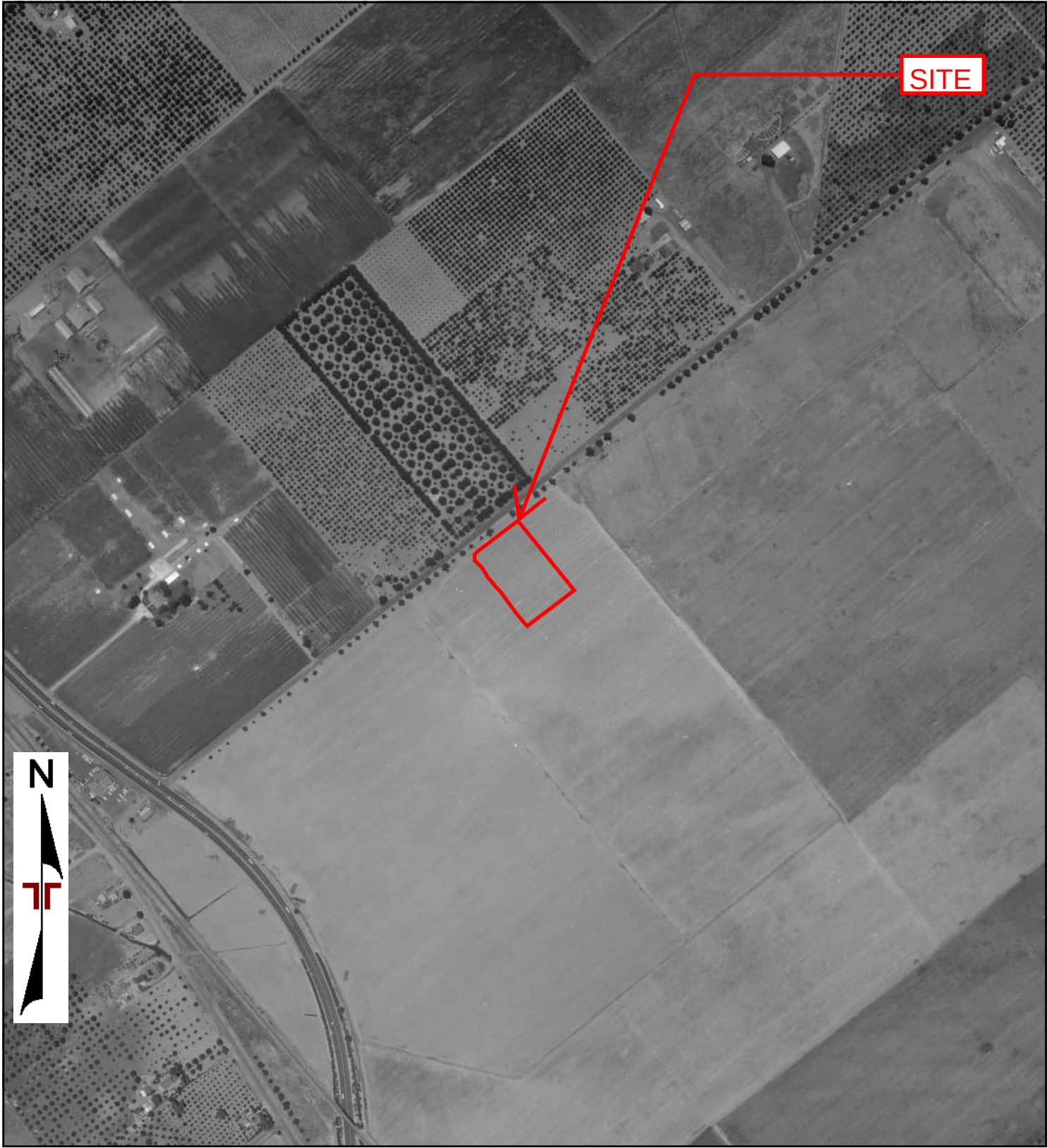


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Drawn By:	Scale:
Checked By:	File Name:
Approved By:	Date: 1968



1968 AERIAL PHOTOGRAPH	



0 Feet

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1000

2000

Project Manager:

Project No:

Drawn By:

Scale:

Checked By:

File Name:

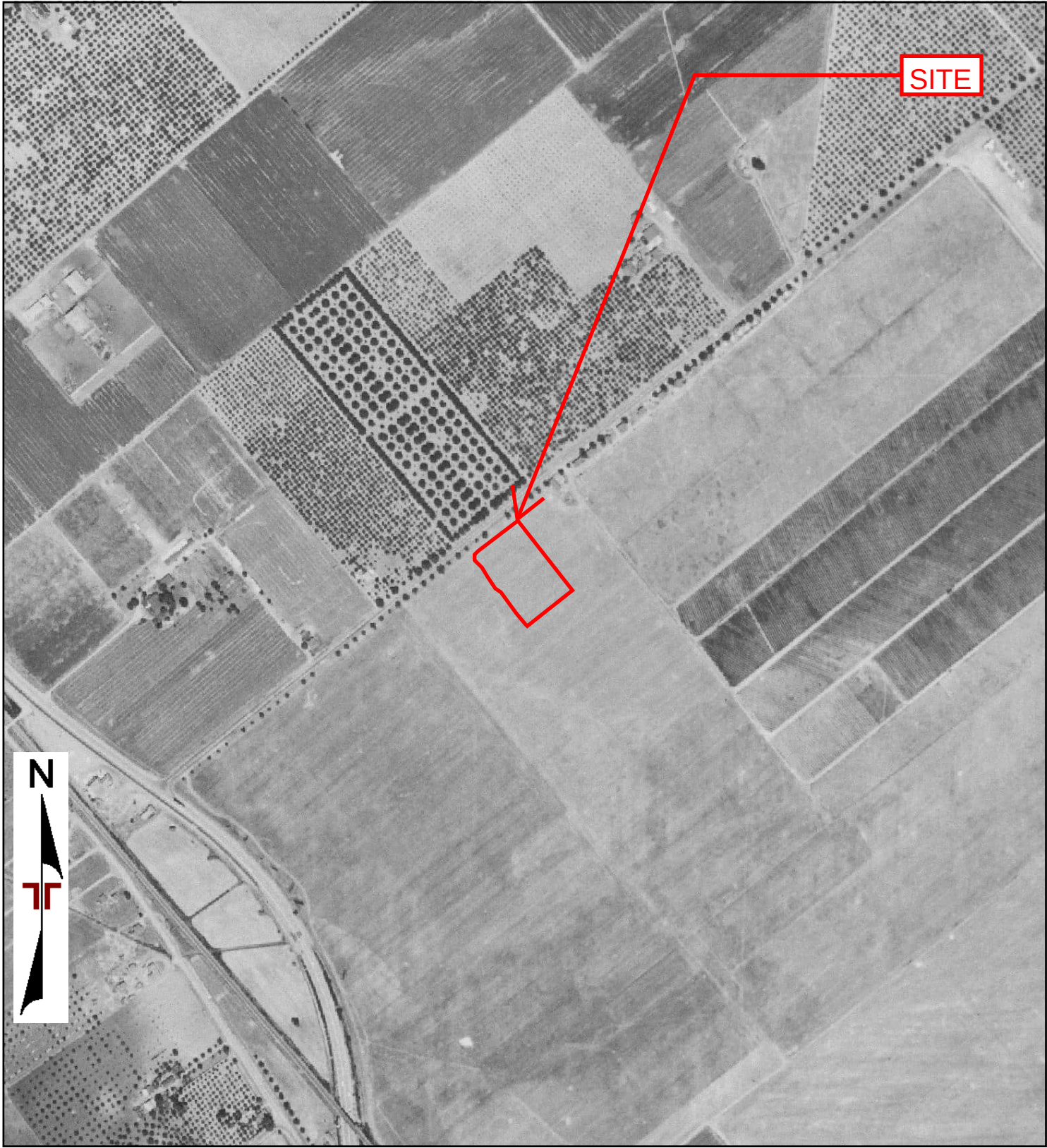
Approved By:

Date:

1963

Terracon

1963 AERIAL PHOTOGRAPH



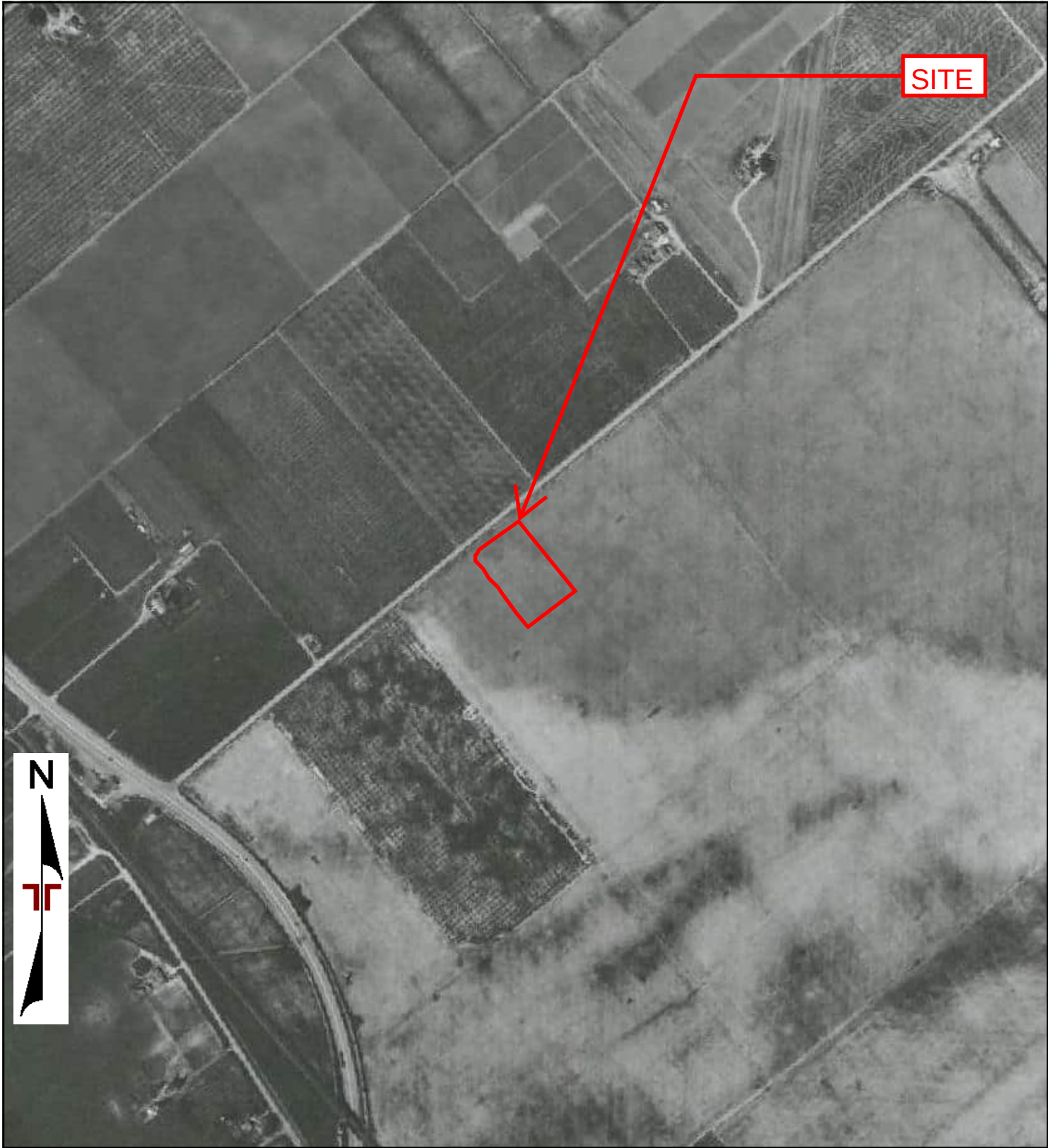
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Project Manager:
Drawn By:
Checked By:
Approved By:

Project No:
Scale:
File Name:
Date:
1956

Terracon

1956 AERIAL PHOTOGRAPH



0 Feet

500

1000

2000

Project Manager:

Project No:

Drawn By:

Scale:

Checked By:

File Name:

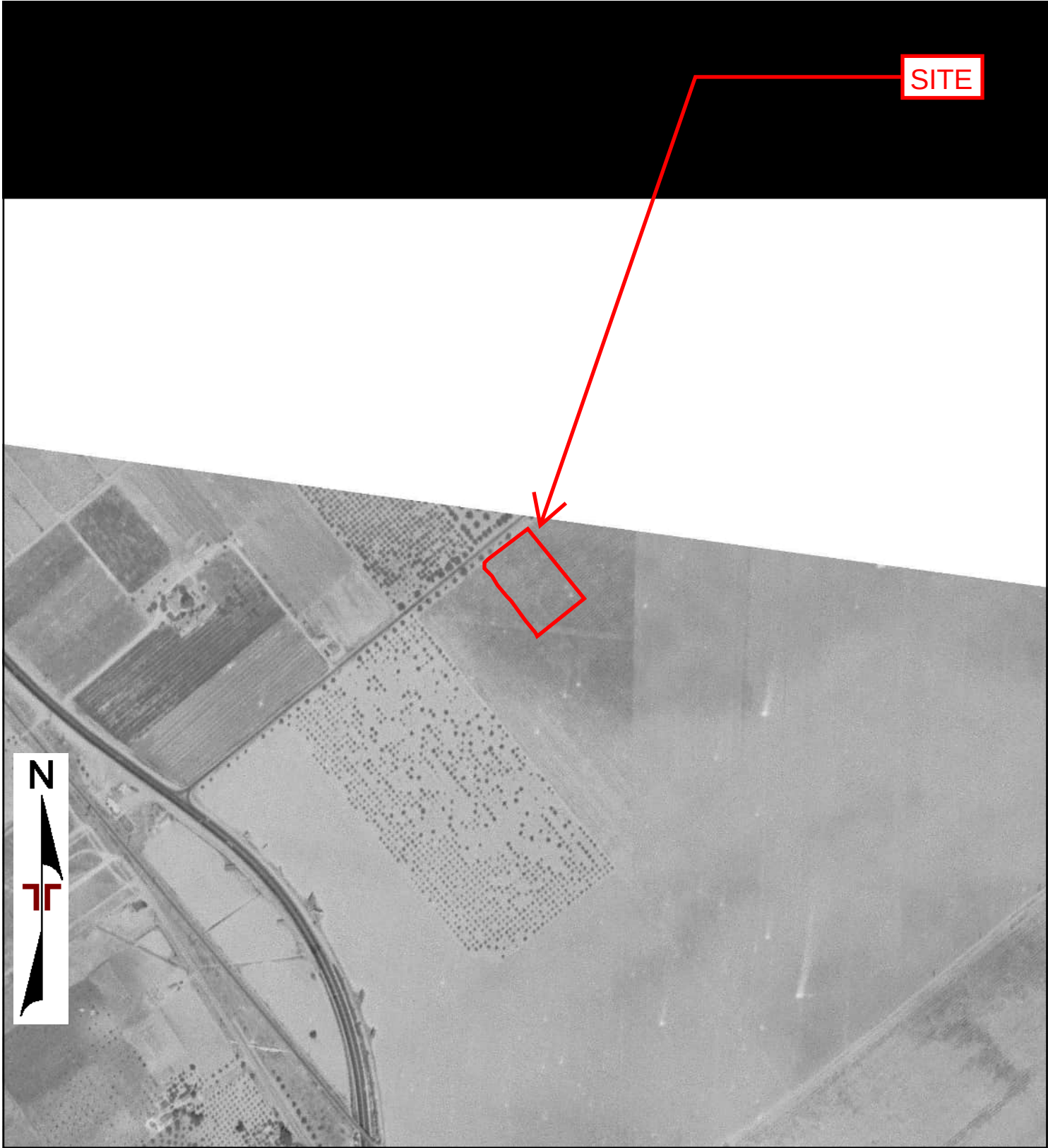
Approved By:

Date:

1950

Terracon

1950 AERIAL PHOTOGRAPH



0 Feet 500 1000 2000

Project Manager:

Project No:

Drawn By:

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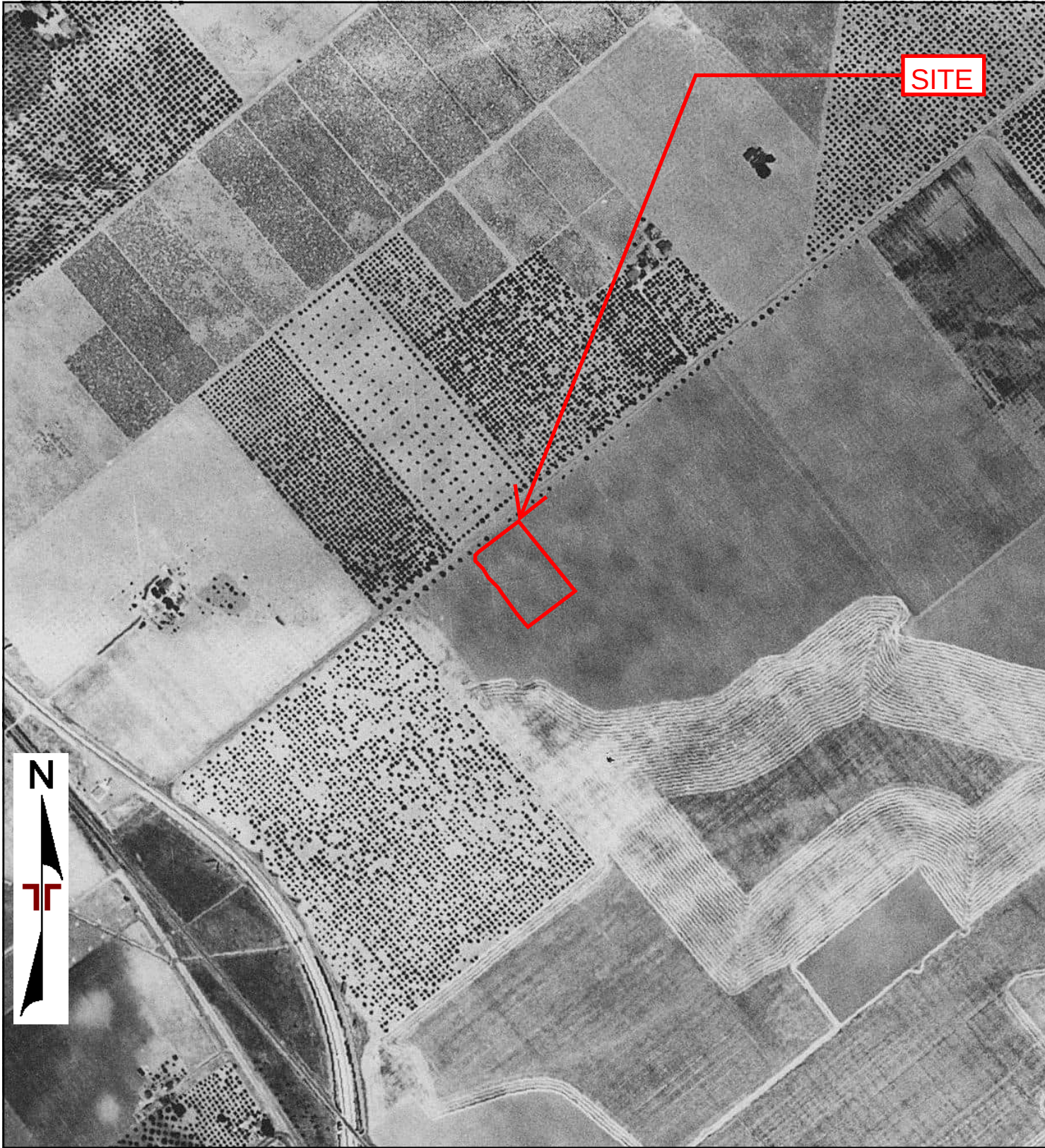
Approved By:

Date:

1948

Terracon

1948 AERIAL PHOTOGRAPH



0 Feet

500

1000

2000

Project Manager:

Project No:

Drawn By:

Scale:

Checked By:

File Name:

Approved By:

Date:

1940

Terracon

1940 AERIAL PHOTOGRAPH



0 Feet 500 1000 2000

Project Manager:
Drawn By:
Checked By:
Approved By:

Project No:
Scale:
File Name:
Date:
1939



1939 AERIAL PHOTOGRAPH

RAISING CANES #991

Not Reported

MORGAN HILL, CA 95037

Inquiry Number: 7169882.4

November 04, 2022

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

11/04/22

Site Name:

RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037
EDR Inquiry # 7169882.4

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Santiago Calderon Sierra



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terracon were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	37.147292 37° 8' 50" North
Project:	NB227249	Longitude:	-121.660117 -121° 39' 36" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	618990.13
		UTM Y Meters:	4112052.41
		Elevation:	364.80' above sea level

Maps Provided:

2018	1917
2015	
2012	
1980	
1973	
1968	
1955	
1939	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Morgan Hill
2018
7.5-minute, 24000



Mount Madonna
2018
7.5-minute, 24000

2015 Source Sheets



Morgan Hill
2015
7.5-minute, 24000



Mount Madonna
2015
7.5-minute, 24000

2012 Source Sheets



Morgan Hill
2012
7.5-minute, 24000



Mount Madonna
2012
7.5-minute, 24000

1980 Source Sheets



Morgan Hill
1980
7.5-minute, 24000
Aerial Photo Revised 1978



Mt. Madonna
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Morgan Hill
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



Mt. Madonna
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Morgan Hill
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1955 Source Sheets



Morgan Hill
1955
7.5-minute, 24000
Aerial Photo Revised 1953



Mt. Madonna
1955
7.5-minute, 24000
Aerial Photo Revised 1953

1939 Source Sheets



Morgan Hill
1939
15-minute, 62500
Aerial Photo Revised 1939

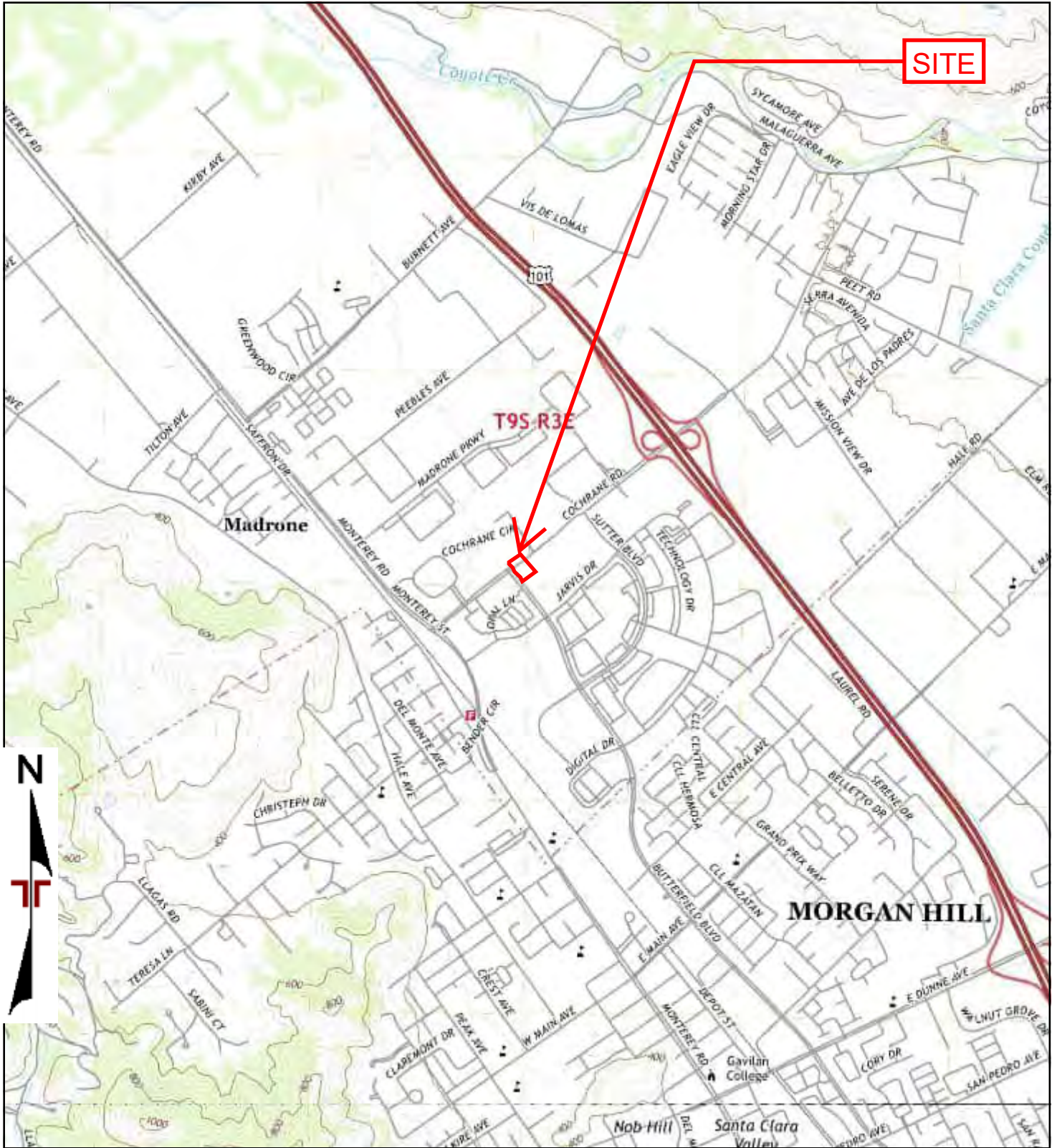
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1917 Source Sheets



Morgan Hill
1917
15-minute, 62500



TP, Morgan Hill, 2018, 7.5-minute
S, Mount Madonna, 2018, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2018

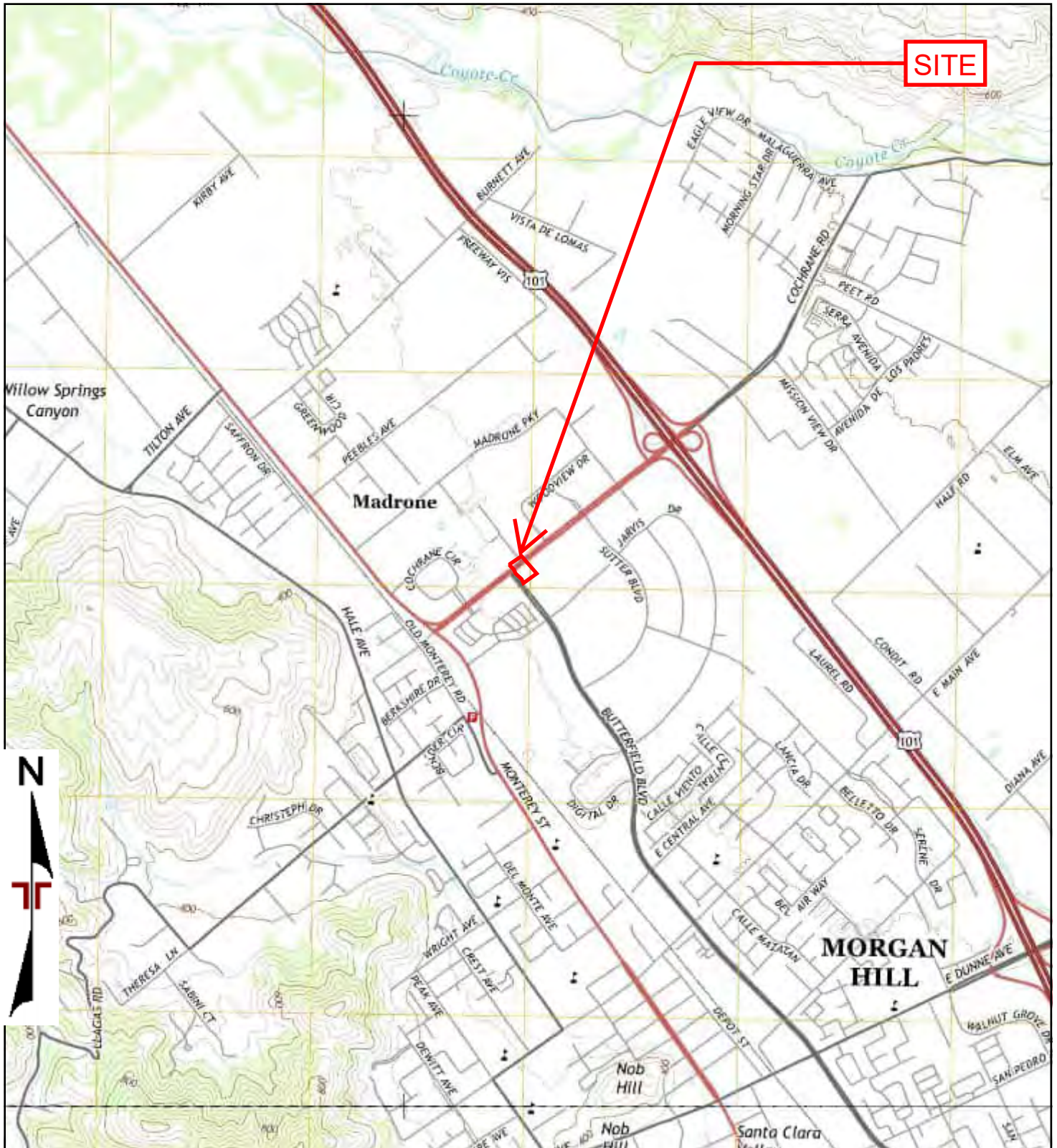
Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

2018 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 2015, 7.5-minute
S, Mount Madonna, 2015, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2015

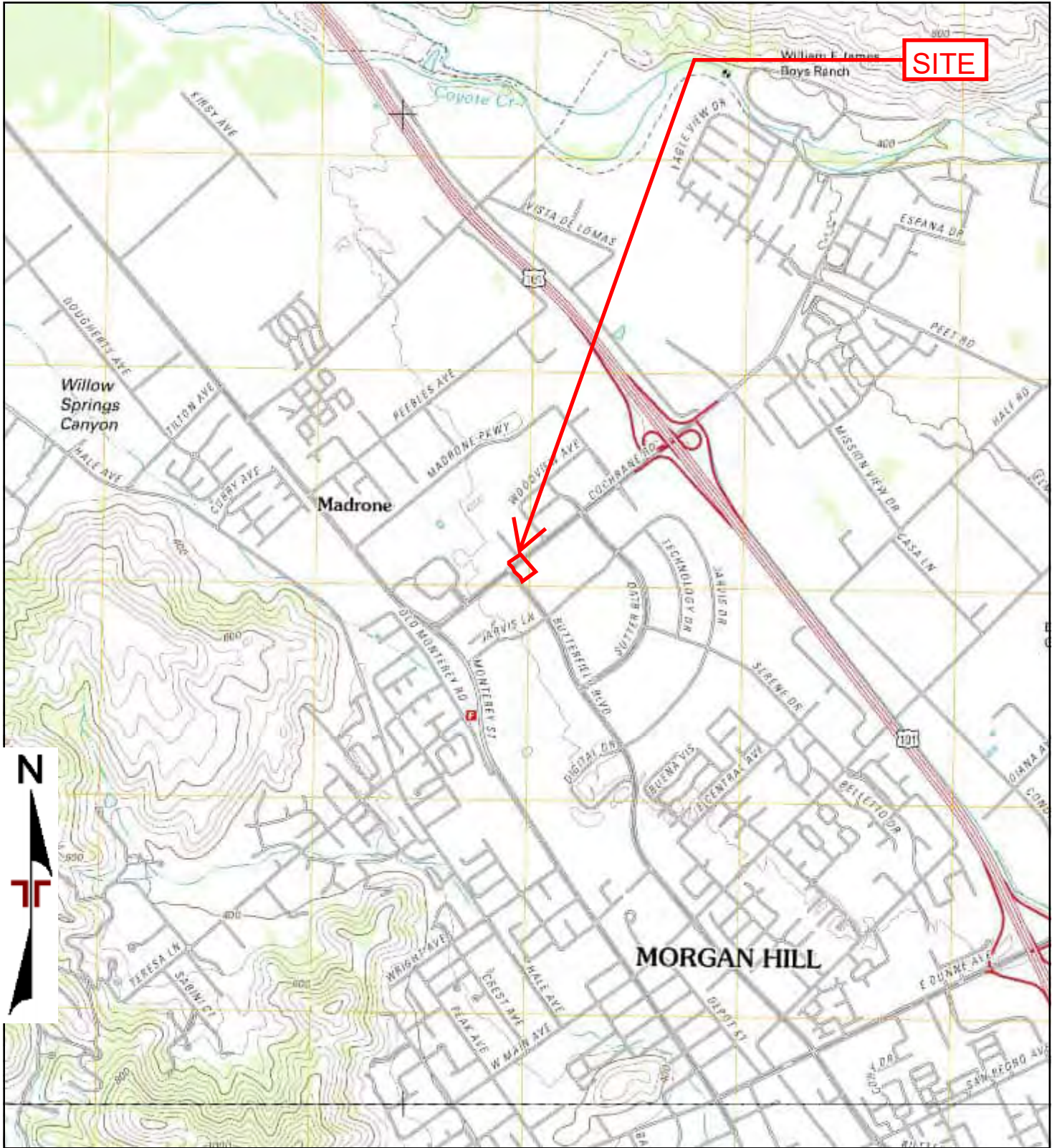
Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

2015 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 2012, 7.5-minute
S, Mount Madonna, 2012, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2012

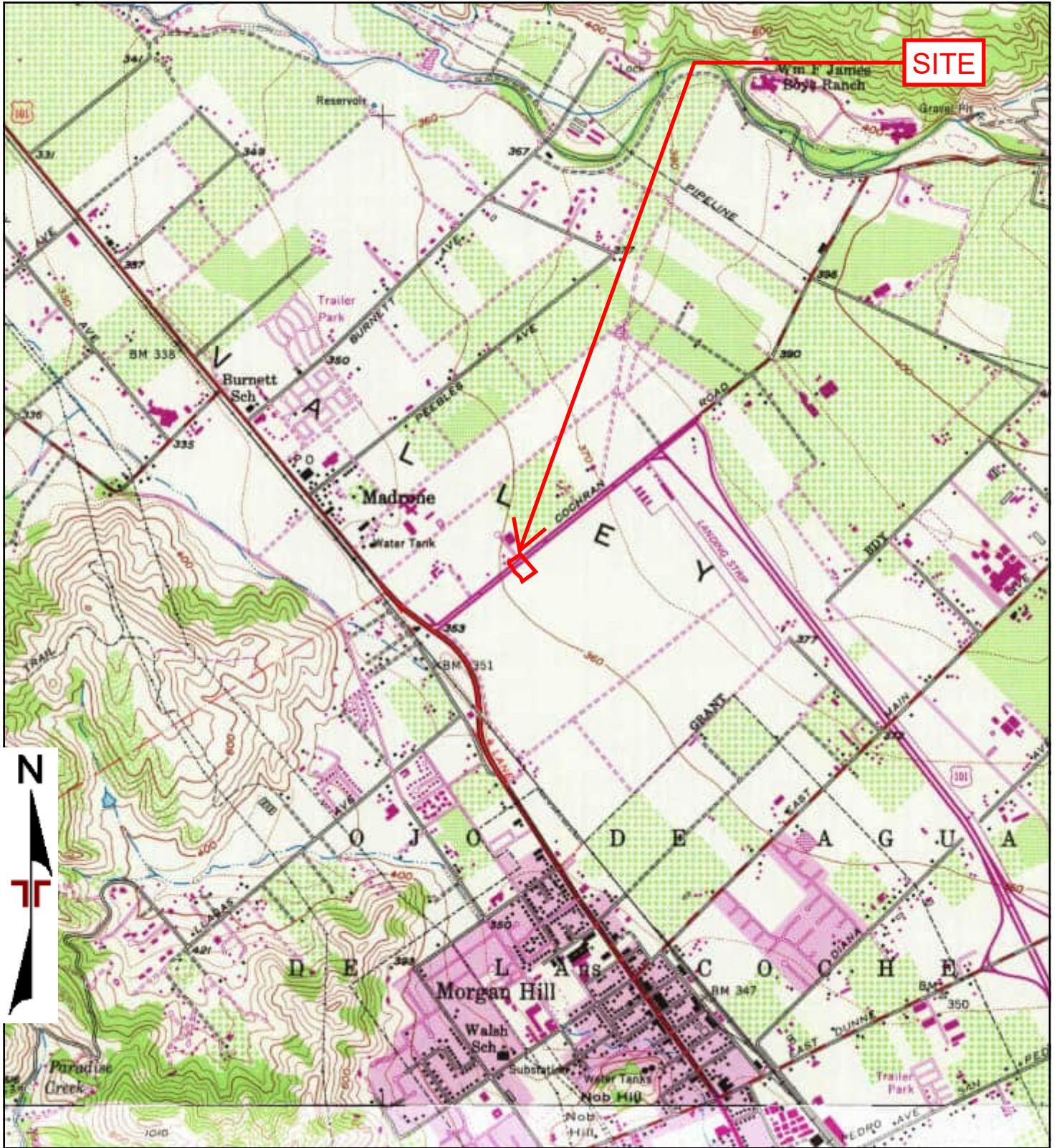
Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

2012 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 1980, 7.5-minute
S, Mt. Madonna, 1980, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1980

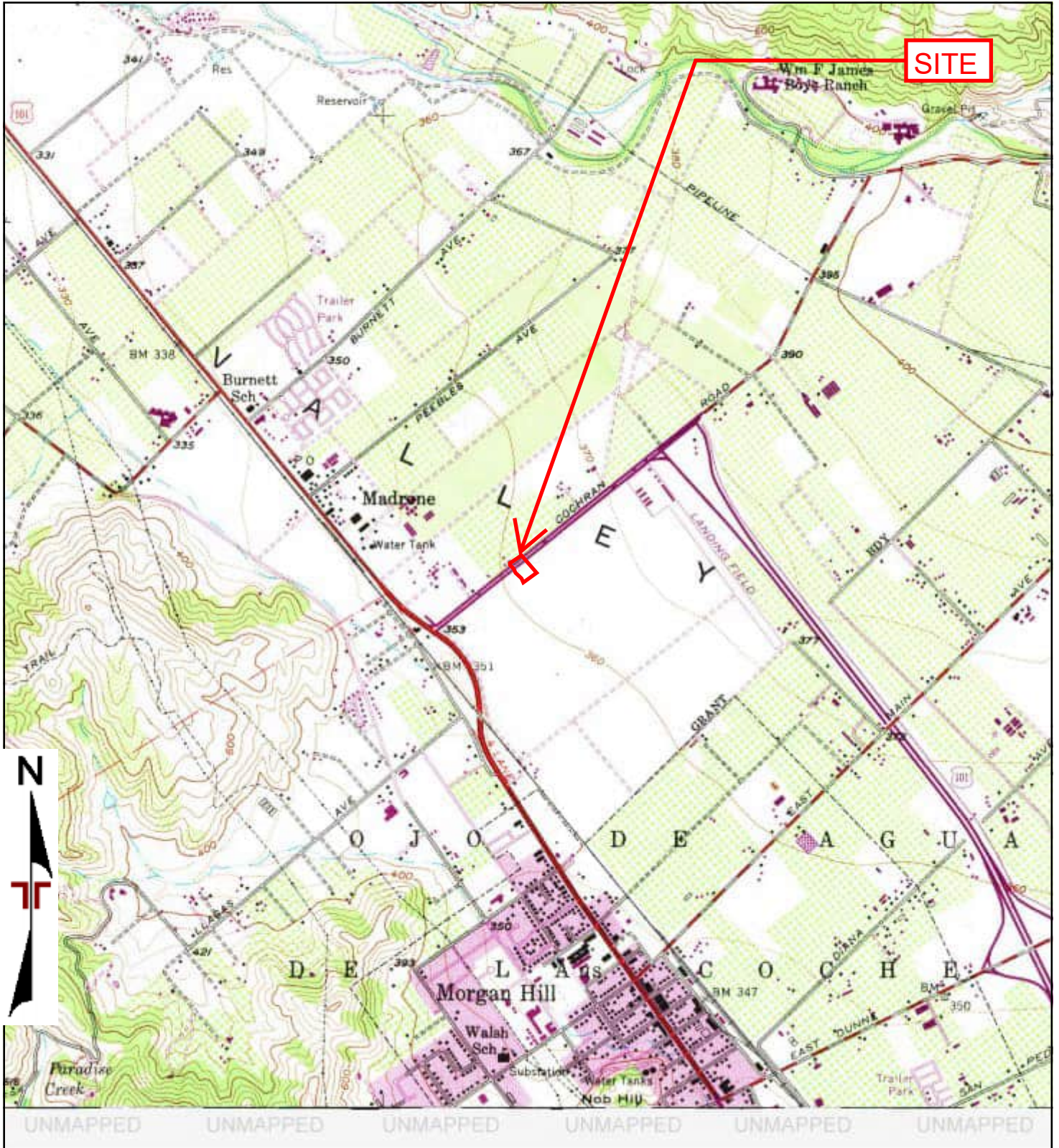
Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1980 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 1973, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1973

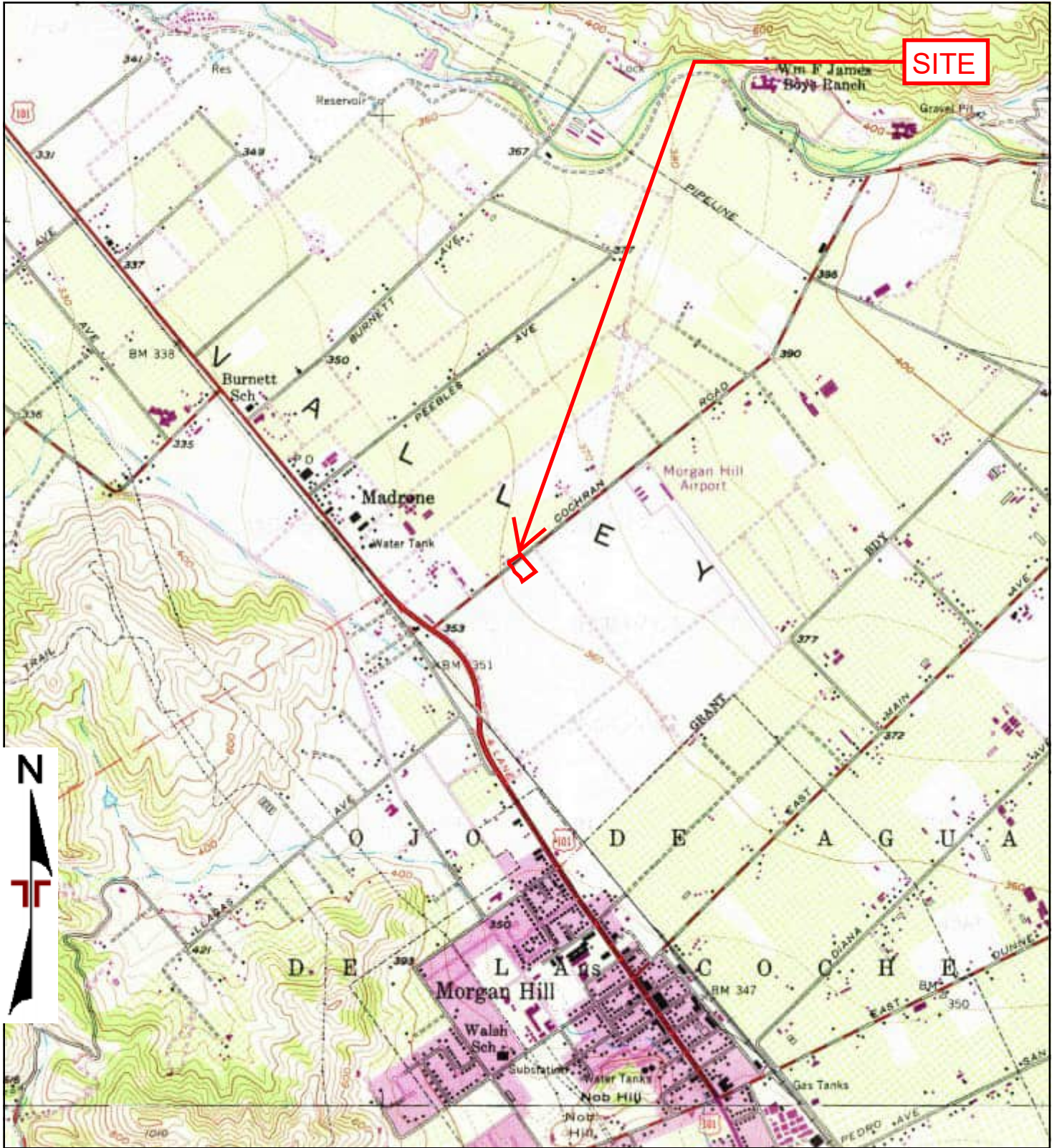
Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1973 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 1968, 7.5-minute
S, Mt. Madonna, 1968, 7.5-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1968

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1968 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

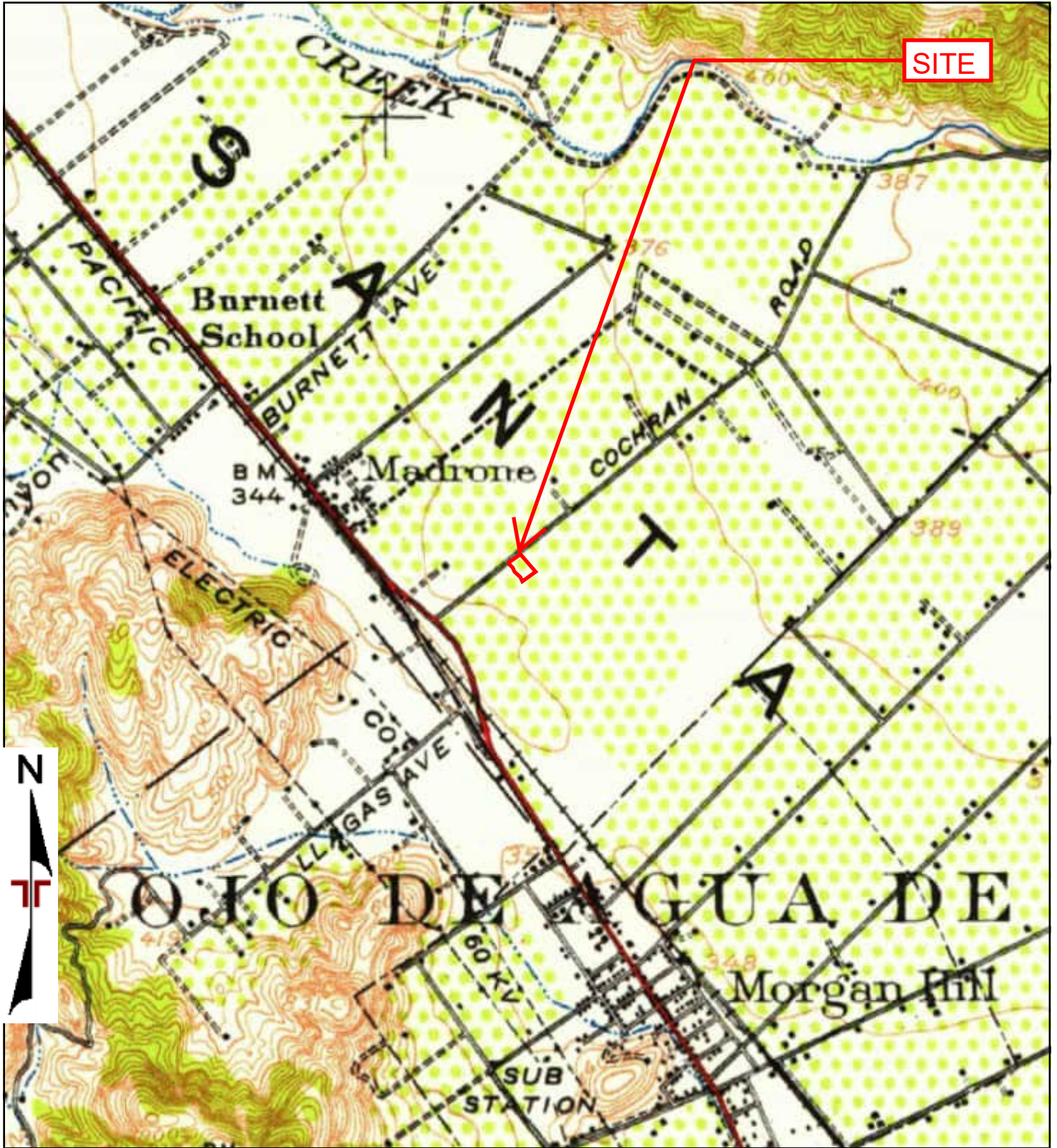
Appendix

C



0 Miles 0.25 0.5 1 1.5

C



TP, Morgan Hill, 1939, 15-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1939

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1939 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



TP, Morgan Hill, 1917, 15-minute



Project Manager:	Project No. NB227249
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1917

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1917 TOPOGRAPHIC MAP
RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037

Appendix

C



RAISING CANES #991

Not Reported

MORGAN HILL, CA 95037

Inquiry Number: 7169882.3

November 04, 2022

Certified Sanborn® Map Report



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/04/22

Site Name:

RAISING CANES #991
Not Reported
MORGAN HILL, CA 95037
EDR Inquiry # 7169882.3

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Santiago Calderon Sierra



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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 # C7C1-48A9-A280

PO # NA

Project NB227249

UNMAPED PROPERTY

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Sanborn® Library search results

Certification #: C7C1-48A9-A280

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- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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RAISING CANES #991

Not Reported

MORGAN HILL, CA 95037

Inquiry Number: 7169882.5

November 09, 2022

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
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
1985	☐	☒	Haines Criss-Cross Directory
1981	☐	☒	Haines Criss-Cross Directory
1976	☐	☒	Haines Criss-Cross Directory
1971	☐	☒	Haines Criss-Cross Directory
1967	☐	☐	Polk's City Directory
1964	☐	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

Not Reported
MORGAN HILL, CA 95037

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

BUTTERFIELD BLVD

1985	-	Haines Criss-Cross Directory	Street not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1967	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

COCHRANE RD

2017	pg A4	EDR Digital Archive
2014	pg A7	EDR Digital Archive
2010	pg A10	EDR Digital Archive
2005	pg A13	EDR Digital Archive
2000	pg A15	EDR Digital Archive
1995	pg A16	EDR Digital Archive
1992	pg A17	EDR Digital Archive

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>BUTTERFIELD BLVD</u>			
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	-	EDR Digital Archive	Street not listed in Source
1992	-	EDR Digital Archive	Street not listed in Source

COCHRANE RD

1985	pg. A18	Haines Criss-Cross Directory	
1981	pg. A19	Haines Criss-Cross Directory	
1976	pg. A20	Haines Criss-Cross Directory	
1971	pg. A21	Haines Criss-Cross Directory	
1967	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

City Directory Images

BUTTERFIELD BLVD 2017

18403 MCLAREN, ROBERT D
18407 MOODY, JAMES A
18410 TENCATE ADVANTAGE COMPOSI
18411 DEVITO, JOSEPH M
18415 PETERSON, TIMOTHY A
18419 JORDAN, GLORIA
18423 YAMAMOTO, PHIL N
18427 ANCHETA, ROMULO R
18435 KIEDAISCH, SCOTT A
18439 WALLACE, MARTIN
18443 FENG, YU U
18447 WERZINGER, LOTHAR G
18555 ALVARADO, MARIA
ANGELO, NANCY J
ARIAS, JOSE
ARMENDARIZ, DANIEL
BALLARD, TAMANA
BEGUM, QUDSIA
BINGHAM, JENNIFER
BRACKENSICK, JEFFREY
BROWN, DANIEL P
BUCKANON, BRENAH
CAMACHO, AIDA
CAMACHO, ANGELINE
CAVAZOS, ALEX G
CHAVARRIA, JOE
CHAVEZ, EMMA G
COPELAND, THOMAS
CORCHADO, FIDEL J
CORONEL, AIDE
COSTA, CAROL A
DIMMER, NICOLE
DOMINGUEZ, GLORIA C
HAMILTON, JOAN
HERNANDEZ, MERCEDES
HODGE, CHRISTINA M
JIMENEZ, GERARDO
KESWICK, JENESSA
KETZ, SALVADOR
KEYVAN, M
LAZARO, MANUEL V
LAZETERA, JENETT
LUGO, GREG J
LUNA, MARTHA
MADRIGAL, ALDO
MANCERA, RAUL J
MARIN, ALEJANDRO
MARIN, CELESTE
MARTINEZ, GINA R
MATEOS, VICTOR

BUTTERFIELD BLVD**2017****(Cont'd)**

18555 MAZON, MICHAEL P
MENDOZA, JAIME
MORSHIRIAN, KEYVAN
ONTIVEROS, KARLA
PATRICIO, MARIA
PAZ, JENNIFER K
ROSS, JOSIE
SCHNUPP, MARIO
SERAFIO, ISMAEL
SERPA, MONICA
SILVEIRA, DIANE C
SOLANO, CARLOS
SOLIMANI, SASAN
SOTO, EDWARD M
SOTO, RICHARD G
STINE, ALICE L
VASQUEZ, MELISSA
WELLS, YVONNE
WILLIAMS, LINDA
WILSON, JERRY E

COCHRANE RD 2017

148	ARAMAKI, SCOTT N
152	TOTANES, VIRGINIA P
156	DURAN, LISA M
160	STIEBER, BRANDON J
164	MCVEY, JAMES C
315	BOTELLO, ZULIMA
715	MADRONE VILLAGE SHOPPING CENTER
755	AT&T AUTHORIZED RETAILER
	ENTREPRENEURIAL VENTURES INC
	MADRONE VILLAGE SHOPPING CEN
	PEETS COFFEE
	PEETS COFFEE & TEA
	SUPERCUTS
775	BIKRAM YOGA MORGANHILL
	CHIPOTLE MEXICAN GRILL
	ERIKS DELICAFE
	FIVE GUYS BURGERS & FRIES
	YOGURTLAND

BUTTERFIELD BLVD 2014

18403 MCLAREN, ROBERT D
18407 LANDER, TINA M
18410 TENCATE ADVANCED COMPOSITES USA INC
18411 DEVITO, JOSEPH M
18415 NGUYEN, VU
18419 CROSSLEY, HENRY
18423 YAMAMOTO, PHIL N
18427 ORILLANEDA, ALVIN P
18431 HERRERA, AMANDA
18435 KIEDAISCH, SCOTT
18439 BLACKWELL, SANDRA J
18443 FENG, YU U
18447 WERZINGER, LOTHAR G
18555 AGUIRRE, RAYMOND J
ALVARA, ALICIA
ALVARADO, MARIA
BAGUM, Q
BELL, ARCELI E
CAVAZOS, ALEX G
CAWTHORN, COURTNEY
COPELAND, THOMAS
CORCHADO, FIDEL J
CORDOVA, ANGEL
CORONEL, AIDE
DELUCCA, MADDISON
DIEP, HIEN
DIMMER, NICOLE
ELIAS, RYAN C
ESPARZA, ROSEMARY
EUSTICE, LINDA
GARCIA, ROBERTO C
HERRERA, ROBERTA M
HODGES, CHRISTINA
JIMENEZ, GERARDO
JOHNSON, MARIE
JONS, RUSHAWN
LAZARO, MANUEL V
LEDESMA, ERICA
LOPEZ, ANITA
LUNA, ERNESTO P
LUNA, GLORIA
MANZO, JESUS J
MARROT, EDDIE
MATEOS, VICTOR
MCCLAIN, ANGIE
MENDOZA, LETICIA
MOHAMED, ASHA A
MOQUIN, LAURA
MORGAN HILL RANCH HOUSING INC
MORSHIRIAN, KEYVAN

BUTTERFIELD BLVD**2014****(Cont'd)**

18555 OMRON, EVELYN S
ONEAL, ASHLEY R
PADILLA, MELISSA G
PATTERSON, STACEY
PAZ, JENNIFER K
PEREZ, CARLA R
PORTERA, FRANK P
PROFACTURE CORP
RAMIREZ, VERONICA
RAMOS, LISA
RODRIGUEZ, CHRISTINA
SCHNUPP, MARIO
SERAFIO, ISMAEL
SHEA, FRANCIS
SIAMEY, ASSIWO P
SINAKI, MOLOUK A
SOLIMANI, SASAN
SOTO, EDWARD M
STINE, JEFF M
STOCKAM, STANLEY O
THERIOT, TAKEISHA
THORP, KRYSTAL
TRAN, TAM T
VALENCIA, GLORIA E
WATSON, GINA
WILLIAMS, ROSANNA
YARGER, GRANT N

COCHRANE RD 2014

148	OCCUPANT UNKNOWN,
152	OCCUPANT UNKNOWN,
156	GARCIA, OSCAR D
160	MACE, CAROL
164	MCVEY, JAMES C
225	DUKES, GEORGE W
315	MUNOZ, SONIA B
715	MADRONE VILLAGE SHOPPING CENTER
755	PEETS COFFEE & TEA
775	BIKRAM YOGA MORGANHILL
	CHIPOTLE MEXICAN GRILL
	ERIKS DELICAFE
	FIVE GUYS BURGERS & FRIES
	YOGURTLAND MORGAN HILL
780	MCDONALDS

BUTTERFIELD BLVD 2010

18403 OCCUPANT UNKNOWN,
18407 OCCUPANT UNKNOWN,
18410 TENCATE ADVANCED COMPOSITES
18411 OCCUPANT UNKNOWN,
18415 OCCUPANT UNKNOWN,
18419 JORDAN, GLORIA
18423 SIEGERT, TYLER J
18427 ORILLANEDA, ALVIN P
18431 KUYAT, TRACY H
18435 BANKSTON, DAVID M
18443 FENG, YU
18447 WERZINGER, LOTHAR G
18555 ALVARADO, MARIA
ATIKOSSIE, TEKA
BARRAGAN, MARIE
BELL, ARCELI E
CAMACHO, AIDA
CAMACHO, YURIDIA
CHAVEZ, AURELIO
CHAVEZ, DENESE I
CHI, WEN J
CLEMENTE, RUBIO
COOPER, EDNA M
CORTEZ, FERNANDO S
DOMINGUEZ, GLORIA C
FUMAGALLI, DOUGLAS J
GAMEZ, ROGELIO H
GARCIA, ROBERTO C
GETTYS, ROLANDA M
GLYNN, MARICA L
GREER, FIRSTNAME
HAMON, JESSICA A
HAYNES, KRISTJIANA
HERNANDEZ, MERCEDES
HILL, JOSEPH L
HODGE, CHRISTINA
JORSTAD, JEREMY L
KAUR, GURMIT
KLEDER, JENNIFER
LARIOS, YVETTE D
LEBRUN, JOHN
LEON, SANTIAGO
LEVI, KAREN L
LOPEZ, SANDRA
LUCERO, J
LUNA, GLORIA A
MARTINEZ, ISABEL
MARTNEZ, ALEJANDRA Y
MATEOS, VICTOR
MCCLAIN, ANGIE

BUTTERFIELD BLVD**2010****(Cont'd)**

18555 MENDOZA, AGAPITO
MENDOZA, LETICIA
MILLER, PAULA S
MOHAMED, ASHA A
MORA, MARTHA
MORGAN HILL RANCH HOUSING INC
OKAH, ANGELA
OMRON, EVELYN S
ORTEGA, JUDITH
PEREIDIA, NORMA
RAMIREZ, MARCO A
RAMIREZ, VERONICA
RAMOS, DANIEL
RODRIGUEZ, ROBERT A
SALINAS, ISABEL
SERAFIO, ISMAEL
SERPA, MONICA
TRAN, TAM T
VALLE, JESSICA
ZHU, JEAN

COCHRANE RD 2010

148	OCCUPANT UNKNOWN,
152	OCCUPANT UNKNOWN,
156	RODRIGUEZ, NATALIE
160	MACE, CAROL
164	MCVEY, JAMES C
225	AFRAIMI, RACHEL R
315	RODRIGUEZ, JOAQUIN S
715	SOUTH VALLEY BANK
755	PEET, S
	PEETS COFFEE & TEA
775	CHIPOTLE MEXICAN GRILL
	DVINE JAZZ & WINE
780	MC DONALDS

BUTTERFIELD BLVD 2005

18410 BRYTE TECHNOLOGIES INC
18555 AGUILAR, JACQUELYN
ALVAREZ, NORA
ALVAREZ, SILVANA
ARELLANO, MICHELLE
ARIAS, MARGARITA
BELL, ARCELI E
CALDERON, XOCHIL
CAMACHO, AIDA
CARABAJAL, A
CEJA, MARIA G
CHI, ALICE
CORONEL, AIDE
DE LA CRUZ CONCRETE PUMPING SERVICE
DIAZ, ANTONIO J
ELLIOTT, JEREMY
FUENTES, JULIE
GALVAN, MANUEL V
GLYNN, MARICA
GREER, YVONNE T
GROSS, HEATHER M
HERNANDEZ, MERCEDES
HERRERA, ROBERTA M
HUI, SING S
JHAJ, HARPAL
JONES, CHRISTOPHER
JORSTAD-ELLIOTT, JEREMY
KISSOON, C
LAZETERA, JENETT
LEOS, ROY L
LUGO, GREG
LUJAN, DANNY E
MADEWELL, JAMES E
MARTIN, JOEL M
MCALISTER, ANNA
MCGEE, CARMEN D
MEEKER, DON
MENDEZ, CRISTINA Y
MENDOZA, AGAPITO
MOHAMED, ASHA
MORGAN HILL RANCH HOUSING INC
MORGAN, HILL R
NUNO, JUAN C
OMRON, EVELYN
ORTA, JENNY
ORTEGA, JUDITH
PADILLA, MELISSA G
PUMBING SERVICE
RICE, PENNY L
RIVERA, MARIA C

BUTTERFIELD BLVD

2005

(Cont'd)

18555 RODRIGUEZ, ORTENSIA
RODRIGUEZ, ROBERT A
ROJAS, LUCILA
RUBIO, ISIDRO
RUELAS, THOMAS
SALAZ, BRENDA L
SALINAS, ISABEL
SERAFIO, ISMAEL
SHANKS, SAMUEL
STATEN, CLIFFORD A
TECTILE, AGUSTINA
THROUNK, BARBARA A
TOYE, RICHARD L
URQUIDEZ, PHYLLIS R
VARNER, KARIN S
VERDUGO, ANGEL
WALTON, JAMIE
WONG KIANG NURSERY

COCHRANE RD 2005

218	AMERICA TAEKWONDO CTR
225	OCCUPANT UNKNOWN,
315	BERMEA, ARTHUR C
	REDLINE SWEEPING SERVICES

BUTTERFIELD BLVD 2000

18555 CRUZ, IRENE V
DEVILLIRES, CHRISTY
DIAZ, ANTONIO
ESQUIVEL, SIVINA
GARZA, RAY
GOMEZ, LAURA I
GORSS, HEATHER M
GOSS, DIANE E
GRAJALES, LETICIA
GREEN, LORI
GROWTH & OPPORTUNITY INCORPORATED
HOPE, RICHARD R
KABIWALD, BIPIN
MORGAN HILL RANCH HOUSING INCORPORATED
PEREZ, LUIS
RAMOS, INDELSA
RUBIO, ISIDRO
SERAFIO, ISMAEL
SUNIGA, BRYAN
UREGO, JULIE E

COCHRANE RD 2000

170	TARGET STORES
218	CELLULAR ONE
222	3 DAY BLINDS
225	HELLEBERG, KATE
315	OCCUPANT UNKNOWN,
645	OCCUPANT UNKNOWN,
	PIONEER UNDERGROUND INCORPORATED
780	MCDONALDS RESTAURANT

COCHRANE RD 1995

780 MC DONALDS

COCHRANE RD 1992

170	TARGET STORES
315	BERMEA, TINGO A
645	SANJSE TRAP&SKEET
780	MCDONALDS RSTRNT

COCHRANE RD 1985

COCHRANE RD 95037
MORGAN HILL

145	LEDNARD MIKE	778-2620	1
225	XXXX	00	
535	XXXX	00	
645	SANJSE TRAP&SKEET	779-9710	2
784	XXXX	00	
785	SULLIVAN REAL EST	778-9568	
	SULLIVANS NOT DOG	779-3447	2
800	XXXX	00	
950	CARROLL EUGENE R	226-3111	+5
1050	XXXX	00	
1060	XXXX	00	
1140	ALBERTI CARMEN P	779-2849	
	CONTREAS RAFAEL	779-0751	0
	LANDEROS JOSE M	779-5835	0
	MACIAS ELIAS M	779-3189	4
1195	LOW CAMERON	779-9240	
	LOW KATHI	779-9240	9
	MILLERD L E MRS	779-1071	8
	MILLERDLOW JEAN V	779-9240	8
	PETERSON RED	779-9240	8
1200	HIGA S	779-9983	

COCHRANE RD 1981

COCHRANE RD 95037 MORGAN HILL			
145	LEONARD MIKE	778-2620	+1
225	XXXX	00	
535	XXXX	00	
645	SAN JOSE TRAP&SKEET	779-9710	+1
784	XXXX	00	
785	SULLIVAN REAL EST	779-9569	5
	SULLIVANS LAST STND	779-7177	5
800	XXXX	00	
1050	PONCE ENGRACIA	779-6245	8
1060	XXXX	00	
1140	ALBERTI CARMEN P	779-2849	
	CONTRERAS RAFAEL	779-0751	0
	LANDEROS JOSE M	779-5835	0
1195	LOW KATHI	779-9240	9
	MILLERD L E MRS	779-1071	8
	MILLERD LOW JEAN V	779-9240	8
	PETERSON RED	779-9240	8
1200	HIGA S	779-9983	2

COCHRANE RD 1976

COCHRANE RD 95037 MORGAN HILL

145 GIL WILLIAM Y	779-9003+6
*GRASS FARM THE	779-3148+6
225 HOLLINGSWORTH D R	779-3308+6
315 XXXX	00
460 XXXX	00
535 XXXX	00
645*SANJDSE TRAP&SKEET	779-9710 4
784 XXXX	00
785*SULLIVAN REAL EST	779-9569 5
*SULLIVANS LAST STNO	779-7177 5
1060 XXXX	00
1140 ALBERTI CARMEN P	779-2849
1195*CARMICHAEL C M	779-3434 4
*TWELVE ACRES RANCH	779-3434 4
1200 HIGA S	779-9983 2

COCHRANE RD 1971

COCHRANE RD 95037 MORGAN HILL

225	GRAZIANO VINCENT	779-4630
315	ROSE JDHN	779-2591
535	LINK WAYNE	779-4801
645*	SAN JOSE TRAPESKEET	779-9710
1060	SAKAI HARRY	779-3209
1140	ALBERTI CARMEN P	779-2849
1200	NISHIHARA KENJI	779-3436
	WIGGLESWORTH GRACE	779-3704

Phase I ESA Owner/Site Contact Interview Form

Interviewee Name: Zach Lauterbach Title: Vice President

Address: 2390 East Camelback Road, Suite 410, Phoenix, AZ 85016 Phone: 602.808.8600

Relationship to Property: Owner Length of Relationship: 4 years

Name(s) of Owner(s) of the Property: Evergreen-Butterfield & Cochrane, L.L.C.

Contact Information of Owner(s): Zach Lauterbach Date of Acquisition: 12/05/2018

Property Address: 18575 and 18565 Skipper Lane, Morgan Hill, CA

Previous Street Names/Numbers: N/A

Total # of Buildings: 0 Square Footage of Each Building: N/A

of Stories: N/A Date Built: N/A

General Business Type/Present Property Use: Vacant

Past Property Uses (include dates): Vacant

Please indicate the provider for each of the following site utilities:

Drinking Water	City of Morgan Hill
Wastewater	City of Morgan Hill
Electric	PG&E
Natural Gas	PG&E

Are you aware of any previous environmental reports/investigations associated with the site? If so, can you provide them?

☒ Yes ☐ No

Notes: Salem Engineering Group, Inc. provided a Phase I Environmental Site Assessment Report for the Property dated November

Are you aware of any environmental concerns associated with the site, either historically or currently? If yes, please explain.

☐ Yes ☐ No

Notes: See Reports for any knowledge we have regarding this.

Are you aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site? If yes, please explain.

☐ Yes ☐ No

Notes: See Reports for any knowledge we have regarding this.

Have any of the following items/features been currently or historically associated with the site?

Item	Yes	No	Unknown	Location / Notes
Site Operations, Processes, and Equipment				
Emergency generators				
Elevators				
Air compressors				
Hydraulic lifts				
Dry cleaning				
Photo processing				
Ventilation hoods and/or incinerators				
Waste treatment systems and/or water treatment systems				
Heating and/or cooling systems				
Paint booths				
Sub-grade mechanic pits				
Wash-down areas or carwashes				
Pesticide/herbicide production or storage				
Printing operations				
Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)				
Salvage operations				
Oil, gas or mineral production				
Other processes or equipment				
Aboveground Chemical or Waste Storage				
Aboveground storage tanks				
Drums, barrels and/or containers ≥ 5 gallons				
MSDS or SDS				
Underground Chemical or Waste Storage, Drainage or Collection Systems				
Underground storage tanks or ancillary UST equipment				
Sumps, cisterns, French drains, catch basins and/or dry wells				
Grease traps				
Septic tanks and/or leach fields				
Oil/water separators, clarifiers, sand traps, triple traps, interceptors				

Item	Yes	No	Unknown	Location / Notes
Pipeline markers				
Interior floor drains				
Electrical Transformers/ PCBs				
Transformers and/or capacitors				
Other equipment				
Releases or Potential Releases				
Stressed vegetation				
Stained soil				
Stained pavement or similar surface				
Leachate and/or waste seeps				
Trash, debris and/or other waste materials				
Dumping or disposal areas				
Construction/demolition debris and/or dumped fill dirt				
Surface water discoloration, odor, sheen, and/or free floating product				
Strong, pungent or noxious odors				
Exterior pipe discharges and/or other effluent discharges				
Other Notable Site Features				
Surface water bodies				
Quarries or pits				
Wastewater lagoons				
Wells				

If any of the above questions were answered "yes", please provide additional information below (tank/container size/contents, known issue/release, service schedule/company, date of installation, etc.).

See Reports for any knowledge we have regarding this.

**Phase I Environmental
Site Assessment Update**

Morgan Hill Ranch
Morgan Hill, California

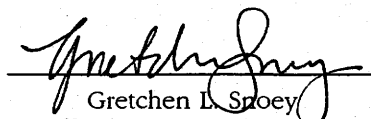
This report has been prepared for:

Morgan Hill Development Partners, LP

600 Miller Avenue, Mill Valley, California 94941

January 6, 1999

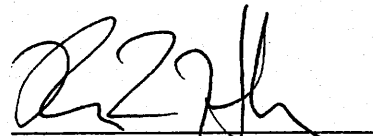
Project No. 145-13AO



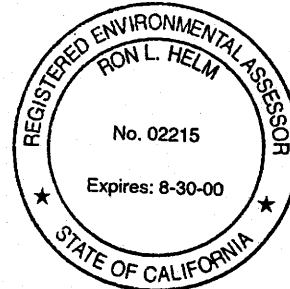
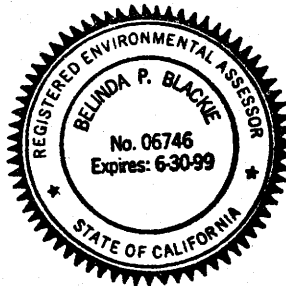
Gretchen L. Snoey
Staff Environmental Engineer
Report Author



Belinda P. Blackie, R.E.A., P.E.
Senior Project Engineer
Reviewer



Ron L. Helm, R.G., R.E.A.
Senior Principal Scientist
Quality Assurance Reviewer



Mountain View

Oakland

Pasadena

Pleasanton

TABLE OF CONTENTS

1.0 INTRODUCTION	1
1.1 Purpose	1
1.2 Scope of Work	1
2.0 SITE RECONNAISSANCE	2
2.1 Site Location and Ownership	2
2.2 Topographic Features and Hydrogeology	2
2.3 Site Visit	2
2.4 Site Vicinity Reconnaissance	2
3.0 PREVIOUS PHASE I REPORT	3
4.0 REGULATORY RECORDS	3
4.1 City and County Agencies File Review	3
4.2 Regulatory Agency Database Report	3
5.0 CONCLUSIONS	3
5.1 Historical Summary	3
5.2 Potential On-Site Soil and Ground Water Concerns	4
5.3 Potential Environmental Concerns Within the Site Vicinity	4
5.4 General Conclusions	4
6.0 LIMITATIONS	4
FIGURE 1 — VICINITY MAP	
FIGURE 2 — SITE PLAN	
APPENDIX A — TERMS AND CONDITIONS	
APPENDIX B — REGULATORY AGENCY DATABASE REPORT	

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE

MORGAN HILL RANCH

MORGAN HILL, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This Phase I environmental site assessment update was performed for Morgan Hill Development Partners, LP, who we understand is considering developing the site for commercial/light industrial use.

The purpose of this study was to document environmental concerns at the site related to current and historic chemical use and to evaluate the potential for a release of hazardous materials from on- or off-site sources that could significantly impact the site's soil and/or ground water quality.

1.2 Scope of Work

As requested, the scope of work for this study was performed in general accordance with the American Society for Testing and Materials (ASTM) Designation E 1527-97, as outlined in our agreement dated December 22, 1998. The scope of work included the following tasks.

- ▼ Reconnaissance of the site and adjacent properties for readily observable indications of current or historic activities that have or could significantly impact the site.
- ▼ Review of readily available topographic maps and reports to evaluate local hydrogeologic conditions including anticipated ground water depth and flow direction.
- ▼ Review of a regulatory agency database report to evaluate the potential impact to the site from reported contamination incidents at nearby facilities.
- ▼ Review of available regulatory agency files to obtain information about the use and storage of hazardous materials at the site since the previous Phase I investigation.

Our scope of services did not include sampling or analysis of on-site building materials, air, soil, or ground water. The limitations of this Phase I environmental assessment are presented in Section 6.0; the terms and conditions of our agreement are presented in Appendix A.

2.0 SITE RECONNAISSANCE

2.1 Site Location and Ownership

The 164.155-acre site, shown in Figures 1 and 2, is comprised of six parcels located in the vicinity of Serene Drive, Sutter Boulevard, Jarvis Drive, and a new road currently under construction called Butterfield Boulevard in Morgan Hill, California 95037 and is currently denoted as assessor's parcel numbers (APNs) 726-44-001; 726-32-001, -010 and -015; and 726-25-012, -022, and -021. The site is located in a commercial/light industrial and residential area and is currently owned by Morgan Hill Development Partners, LP.

2.2 Topographic Features and Hydrogeology

Based on U.S. Geologic Survey (USGS) topographic maps, the site's elevation is approximately 350 feet above mean sea level. Topography in the vicinity of the site is relatively flat. Even though we have not reviewed any site-specific ground water data, based on our experience in the area the shallow water-bearing zone is likely encountered at depths of 20 to 30 feet. Ground water beneath the site likely flows northwest towards the San Francisco Bay or southwest towards local creeks and the Monterey Bay.

2.3 Site Visit

Our representative, environmental engineer Gretchen Snoey, visited the site on January 4, 1999 and was unaccompanied. At the time of our site visit, the subject property was undeveloped. Parcels 726-25-021, 726-25-012, 726-32-001, and the part of 726-25-022 north of Sutter Boulevard had been graded for construction. Various pieces of construction equipment including backhoes, pipes, stockpiles of soil, and construction trailers were observed on these parcels. Grading appeared to have been initiated on parcels 726-32-010 and 726-32-015, but they were still mainly undisturbed. Parcel 726-44-001 and the part of 726-25-022 south of Sutter Boulevard were undeveloped. These parcels were primarily overgrown with weeds and many were observed to have small stockpiles of soil. We observed some concrete debris on parcel 726-44-001. No evidence of hazardous materials was observed on-site.

2.4 Site Vicinity Reconnaissance

To evaluate adjacent land use, we performed a drive-by survey. Various commercial, residential, and construction sites surrounded the project parcels. None of the surrounding facilities appeared likely to use, handle, or store significant quantities of hazardous materials.

3.0 PREVIOUS PHASE I REPORT

We performed a preliminary review of the previous Phase I report prepared for the site by Lowney Associates, titled *Phase I Environmental Site Assessment Update, Morgan Hill Ranch, Morgan Hill, California*, dated December 6, 1996.

The previous report involved the complete 300-acre Morgan Hill Ranch site that included the current approximately 164-acre project site. Reportedly, the site was historically used for agriculture from the 1950s to 1970s. One composite soil sample collected from the 300-acre site was analyzed for a suite of contaminants, including chlorinated pesticides, in 1990; no pesticides were detected. The conclusions presented in the report indicated that if development of the site included capping by commercial buildings and associated asphaltic concrete drives and parking areas, risk to human health and the environment would be significantly reduced if residual pesticides were present. No evidence of the use of hazardous materials on the 164-acre project site was found.

4.0 REGULATORY RECORDS

4.1 City and County Agencies File Review

To obtain information on hazardous materials usage and storage, we requested readily available information at the Morgan Hill Building Department (BD), Morgan Hill Fire Department (FD), and Santa Clara County Environmental Health Department (EHD) pertaining to APNs 726-44-001; 726-32-001, -010 and -015; and 726-25-012, -022, and -021 as shown on Figures 1 and 2. According to representatives of these agencies, hazardous materials files are kept for sites by current street addresses only; since the site has no street addresses, no files reportedly were available.

4.2 Regulatory Agency Database Report

During this study, a regulatory agency database report was obtained and reviewed to help establish whether contamination incidents have been reported within the site vicinity. A list of the database sources reviewed, a detailed description of the sources, and a radius map indicating the location of the reported facilities relative to the project site are presented in Appendix B. None of the facilities listed appear likely to significantly impact the project site.

5.0 CONCLUSIONS

5.1 Historical Summary

The site appears to have been used for agriculture in the 1950s through 1970s, and then was undeveloped until the recent grading activities. No information was found indicating that significant quantities of hazardous materials historically have

been used or stored at the site. Hazardous materials were not observed on-site at the time of this study.

5.2 Potential On-Site Soil and Ground Water Concerns

Due to the agricultural history of the site, a potential environmental concern is the possible presence of residual pesticides in the native soils. We do not consider these pesticides, if present, a significant concern since they likely will be reduced in concentration by mixing of the top soil during site development and natural degradation with time. In addition, because the site will be largely capped by the buildings and associated asphaltic concrete drives and parking areas, risk to human health and the environment would be significantly reduced if residual pesticides are present.

5.3 Potential Environmental Concerns Within the Site Vicinity

Based on the information obtained during this study, no hazardous material incidents have been reported in the site vicinity that would be likely to significantly impact the site.

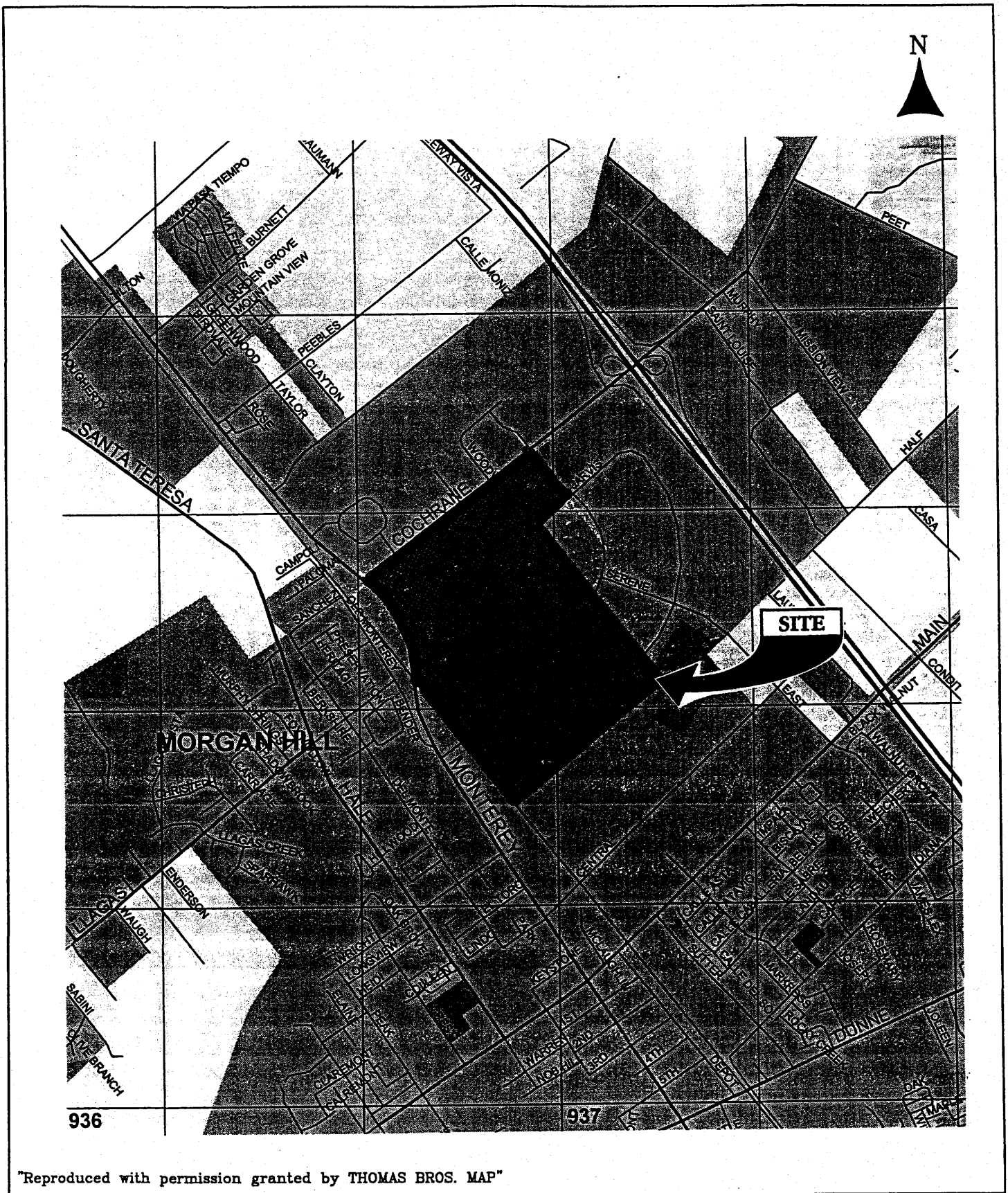
5.4 General Conclusions

We understand that Morgan Hill Development Partners, LP plans to develop the site for commercial/light industrial use. Based on the information obtained during this survey, the planned use appears compatible with the known on-site environmental conditions. No further environmental work appears required at this time.

6.0 LIMITATIONS

As with all site assessments, the extent of information obtained is a function of client demands, time limitations, and budgetary constraints. Our conclusions and recommendations regarding the site are based on readily observable site conditions, review of readily available documents, maps, aerial photographs, and data collected and/or reported by others. We are not responsible for the accuracy of information or data presented by others. Our conclusions and recommendations in this site assessment are qualified in that no soil, ground water, air, or building material analyses were performed. Sampling and analysis lead to a more reliable assessment of environmental conditions, conditions which often cannot be noted from typical Phase I activities. Should you desire a greater degree of confidence, these samples should be obtained and analyzed to further evaluate environmental conditions.

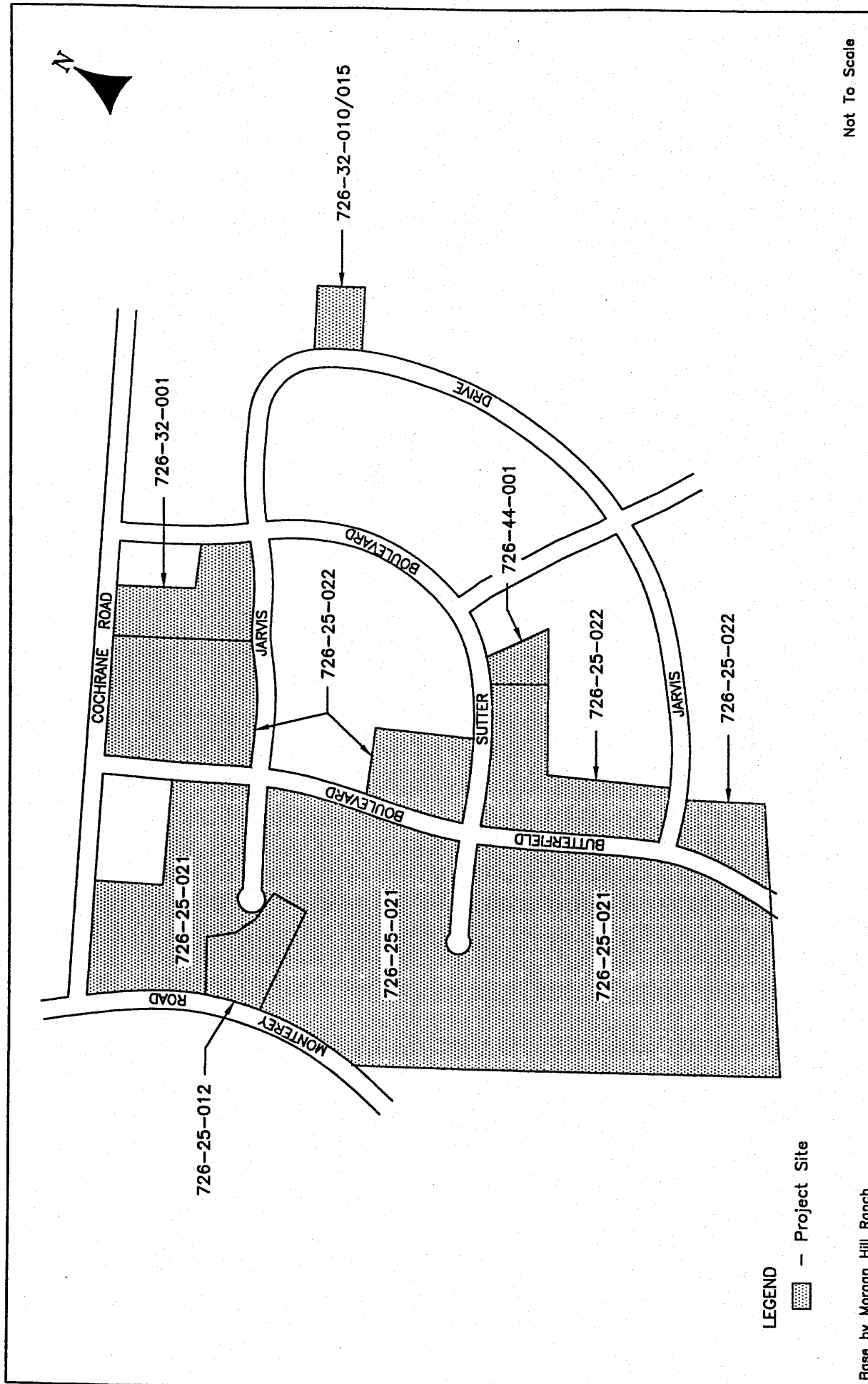
This report was prepared for the sole use of Morgan Hill Development Partners, LP. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location.



1/99*EB

VICINITY MAP
MORGAN HILL RANCH
Morgan Hill, California

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services



SITE PLAN
MORGAN HILL RANCH
 Morgan Hill, California

Phase I Environmental Site
Assessment Update and Soil and
Ground Water Quality Evaluation
Cochrane Road site
Morgan Hill, California

This report has been prepared for:

Altera Corporation
101 Innovation Drive, San Jose, California 95134

July 14, 2000
Project No. P10177

James P. Kiernan
Staff Environmental
Engineer

Douglas T. Young, R.G.
Senior Project
Geologist

Ron L. Helm, R.G.,
R.E.A.
Senior Principal
Scientist

405 Clyde Avenue Mountain View, CA 94043-2209 Tel: 650.967.2365 Fax: 650.967.2785
P.O. Box 1388 Mountain View, CA 94042-1388 E-mail: mail@lowney.com

July 14, 2000
P10177

Mr. Robert Wingo
ALTERA CORPORATION
101 Innovation Drive
San Jose, California 95134

RE: PHASE I ENVIRONMENTAL SITE
ASSESSMENT UPDATE AND SOIL AND
GROUND WATER QUALITY EVALUATION
20-ACRE COCHRANE ROAD SITE
MORGAN HILL, CALIFORNIA

Dear Mr. Wingo:

As requested, we have performed a Phase I environmental site assessment update and soil and ground water quality evaluation for the 20-acre site bordered by Cochrane Road, Butterfield Boulevard, Jarvis Drive, and Sutter Boulevard in Morgan Hill, California, currently owned by Morgan Hill Development Partners, LP. This report was prepared in accordance with our agreement dated July 7, 2000.

We refer you to the text of the report for details regarding this study. Thank you for choosing us to assist you. If you have any questions, please call and we will be glad to discuss them with you.

Very truly yours,

LOWNEY ASSOCIATES

James P. Kiernan	Douglas T. Young, R.G.	Ron L. Helm, R.G.,
R.E.A.		
Staff Environmental Engineer		Senior Project
Geologist	Senior Principal Scientist	

RLH:JPK:tjc

Copies: Addressee (2)

MV, P10177 Phase I update.doc

TABLE OF CONTENTS

<u>1.0</u>	<u>INTRODUCTION</u>	1
1.1	<u>Purpose</u>	1
1.2	<u>Scope of Work</u>	1
<u>2.0</u>	<u>SITE RECONNAISSANCE</u>	2
2.1	<u>Site Location and Ownership</u>	2
2.2	<u>Topographic Features and Hydrogeology</u>	2
2.3	<u>Site Visit</u>	2
2.4	<u>Site Vicinity Reconnaissance</u>	3
	<u>Table 1. Adjacent Properties</u>	4
<u>3.0</u>	<u>PREVIOUS PHASE I REPORT</u>	4
<u>4.0</u>	<u>HISTORICAL REVIEW</u>	4
<u>5.0</u>	<u>REGULATORY RECORDS</u>	5
5.1	<u>City and County Agencies File Review</u>	5
5.2	<u>Regulatory Agency Database Report</u>	5
<u>6.0</u>	<u>SOIL AND GROUND WATER QUALITY EVALUATION</u>	6
6.1	<u>Subsurface Investigation</u>	6
6.2	<u>Soil Sample Collection and Analyses</u>	6
6.3	<u>Ground Water Sample Collection and Analyses</u>	7
<u>7.0</u>	<u>CONCLUSIONS</u>	7
7.1	<u>Historical Summary</u>	7
7.2	<u>Potential On-Site Soil and Ground Water Concerns</u>	7
7.3	<u>Potential Environmental Concerns Within the Site Vicinity</u> ..	8
7.4	<u>General Conclusions</u>	8
<u>8.0</u>	<u>LIMITATIONS</u>	8
FIGURE 1 – VICINITY MAP		
FIGURE 2 – SITE PLAN		
APPENDIX A – TERMS AND CONDITIONS		
APPENDIX B – REGULATORY AGENCY DATABASE REPORT		
APPENDIX C – SUBSURFACE INVESTIGATION AND SOIL AND GROUND WATER SAMPLING PROTOCOL		
APPENDIX D – ANALYTICAL RESULTS		

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
AND SOIL AND GROUND WATER QUALITY EVALUATION
20-ACRE COCHRANE ROAD SITE
MORGAN HILL, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This Phase I environmental site assessment update and soil and ground water quality evaluation was performed for Altera Corporation, who we understand is considering development of the site for commercial/light industrial use.

The purpose of this study was to document environmental concerns at the site related to current and historic chemical use and to evaluate the potential for a release of hazardous materials from on- or off-site sources that could significantly impact the soil and/or ground water quality of the site. An additional purpose of this study was to evaluate the shallow soil quality and baseline ground water quality across the site.

1.2 Scope of Work

As requested, the scope of work for this study was performed in general accordance with the American Society for Testing and Materials (ASTM) Designation E 1527-97, as outlined in our agreement dated July 7, 2000. The scope of work included the following tasks.

- ▼ Reconnaissance of the site and adjacent properties for readily observable indications of current or historic activities that have or could significantly impact the site.
- ▼ Review of readily available topographic maps and reports to evaluate local hydrogeologic conditions including anticipated ground water depth and flow direction.
- ▼ Review of readily available documents, maps, and aerial photographs to evaluate past land uses.

- ▼ Review of a regulatory agency database report to evaluate the potential impact to the site from reported contamination incidents at nearby facilities.
- ▼ Review of available regulatory agency files to obtain information about the use and storage of hazardous materials at the site since the previous Phase I investigation.
- 0 Collection and laboratory analysis of selected soil and ground water samples.

Our scope of services did not include sampling or analysis of on-site building materials or air. The limitations of this Phase I environmental assessment are presented in Section 6.0; the terms and conditions of our agreement are presented in Appendix A.

2.0 SITE RECONNAISSANCE

2.1 Site Location and Ownership

The 20-acre site, shown in Figures 1 and 2, is comprised of one parcel and a portion of another bounded by Butterfield Boulevard to the southwest, Jarvis Drive to the southeast, Sutter Boulevard and a restaurant to the northeast, and Cochrane Road to the northwest in Morgan Hill, California and is currently denoted as assessor's parcel numbers (APNs) 726-32-001 and 726-25-022. The site is located in a commercial/light industrial and residential area and is currently owned by Morgan Hill Development Partners, LP.

2.2 Topographic Features and Hydrogeology

Based on U.S. Geological Survey (USGS) topographic maps, the site's elevation is approximately 360 feet above mean sea level. Topography in the vicinity of the site is relatively flat. Based on our experience in the area, the shallow water-bearing zone is likely encountered at depths of 40 to 50 feet. Ground water beneath the site likely flows northwest towards the San Francisco Bay or southwest towards local creeks and the Monterey Bay.

2.3 Site Visit

Our representative, environmental engineer James Kiernan, visited the site on July 6, 2000. At the time of our site

visit, the subject property was undeveloped. The two parcels generally were overgrown with weeds

2.4 Site Vicinity Reconnaissance

To evaluate adjacent land use, we performed a drive-by survey. Various commercial, residential, and construction sites surrounded the project parcels. Our observations are presented in Table 1. Of these facilities, Anritsu Company appears to use, handle, and store hazardous materials. Two above-ground storage tanks were observed in the back of the property. The tanks were built on a concrete pad and appeared new, no staining was visible.

Table 1. Adjacent Properties

Land Use	Business Name and Address	Direction from Site
Commercial	Marie Callendar's	Northeast corner
Commercial	Phototek 18450 Sutter Blvd.	Southeast
Commercial	Various Businesses including Target, 3 Day Blinds, and Baskin Robbins	Northeast
Commercial	Anritsu 490 Jarvis Drive	Southeast
Commercial	Andpak, Inc. 400 Jarvis Drive	Southeast
Commercial	Bryte Technologies, Inc. 18410 Butterfield Blvd.	Southeast
Undeveloped	--	Southwest, West, North, Northeast
Residential	--	Southwest, Northwest
Commercial	Various Businesses including a medical office	Northwest
Commercial	The Coast Distribution System, Inc. 350 Woodview Ave.	North

3.0 PREVIOUS PHASE I REPORT

We performed a preliminary review of the previous Phase I report prepared for the Morgan Hill Ranch site by Lowney Associates, titled *Phase I Environmental Site Assessment Update, Morgan Hill Ranch, Morgan Hill, California*, dated January 6, 1999.

The previous report involved the complete 300-acre Morgan Hill Ranch site that included the current approximately 20-acre project site. Reportedly, the site was historically used for agriculture from the 1950s to 1970s. The conclusions presented in the report indicated that if development of the site included capping by commercial buildings and associated asphaltic concrete drives and parking areas, risk to human health and the environment would be significantly reduced if residual pesticides were present.

4.0 HISTORICAL REVIEW

To evaluate the site history, we reviewed:

- 0 Copies of aerial photographs (1953, 1963, 1965, 1968, 1971, 1974, and 1981), USGS 15-minute and 7.5-minute topographic maps (1955, 1955 (photorevised 1968), 1955 (photorevised 1980), 1980)

The historical information reviewed is summarized below.

The site appeared to have been used for agriculture in the 1950s through 1970s, and then was undeveloped. To the southwest of the site is Monterey Road (formerly Highway 101) and Southern Pacific railroad tracks, trending northwest to southeast. To the northeast of the site was the Morgan Hill Airport, which had moved by 1981. Site information dating back prior to 1953 was unavailable from the sources researched, but based on our experience in this area, site use prior to 1953 was likely agricultural and/or undeveloped land. No information was found indicating that significant quantities of hazardous materials historically have been used or stored at the site; small quantities of commercially applied pesticides may have been used on-site.

5.0 REGULATORY RECORDS

5.1 City and County Agencies File Review

To obtain information on hazardous materials usage and storage, we requested readily available information at the Morgan Hill Building Department (BD), Morgan Hill Fire Department (FD), and Santa Clara County Environmental Health Department (EHD) pertaining to APNs 726-32-001 and 726-25-022 as shown on Figures 1 and 2. According to representatives of these agencies, hazardous materials files are kept for sites by current street addresses only; since the site has no street addresses, no files reportedly were available.

5.2 Regulatory Agency Database Report

During this study, a regulatory agency database report was obtained and reviewed to help establish whether contamination incidents have been reported within the site vicinity. A list of the database sources reviewed, a detailed description of the sources, and a radius map indicating the location of the reported facilities relative to the project site are presented in Appendix B. None of

the facilities listed appear likely to significantly impact the project site.

6.0 SOIL AND GROUND WATER QUALITY EVALUATION

6.1 Subsurface Investigation

On July 6, 2000, environmental engineer James Kiernan, under the supervision of Senior Project Geologist Douglas T. Young, directed a subsurface exploration program; sixteen borings (EB 1-16) were advanced to an approximate depth of 3 feet to evaluate on-site soil quality. Soil samples were obtained from the borings at depths of $\frac{1}{2}$, $1\frac{1}{2}$, and $2\frac{1}{2}$ feet. Soil sampling protocol and boring logs are presented in Appendix D.

6.2 Soil Sample Collection and Analyses

To help evaluate the soil quality across the site, the near surface samples from the sixteen borings, and four near surface samples collected during the geotechnical investigation, were analyzed for organochlorine pesticides (EPA Test Method 8081) and the metals mercury, arsenic, and lead.

Only background levels of total DDT and Dieldrin were detected in four of the twenty samples.

The results of the metals analysis for all the near surface samples are presented in Appendix E. Generally, background levels were detected.

In addition, three selected shallow samples from across the site (EB-3, EB-10, and EB-15) were analyzed for total petroleum hydrocarbons as gasoline and diesel (TPHg and TPHd) (EPA Test Method 8015), benzene, toluene, ethylbenzene, and xylene (BTEX) (EPA Test Method 8020), halogenated volatile organic compounds (VOCs) (EPA Test Method 8010), 17 California Assessment Manual (CAM) metals (EPA Test Method 7000/6010), semi-VOCs (EPA Test Method 8270), polychlorinated biphenyls (PCBs) (EPA Test Method 8080), pH, and asbestos. No petroleum hydrocarbons, BTEX, VOCs, semi-VOCs, or PCBs were detected in any of the three selected shallow samples. The analysis for pH obtained values of 6.9 for samples EB-3 and EB-15, and 7.4 for sample EB-10.

No asbestos was detected in the three near surface samples selected from the geotechnical investigation for this analysis. Copies of the analytical reports and chain of custody documentation are presented in Appendix E.

6.3 Ground Water Sample Collection and Analyses

To help evaluate baseline ground water quality across the site, ground water grab samples were collected from three borings (EB-1, EB-2, and EB-3) advanced during the geotechnical investigation on July 12, 2000. Ground water was encountered at depths of approximately 42 to 43½ feet, but was not encountered in the fourth boring. A discussion of sampling protocol is included in Appendix D.

The three ground water samples were analyzed for petroleum hydrocarbons using a fuel fingerprint scan, BTEX, and MTBE (EPA Test Method 8020/8015M), organochlorine pesticides (EPA Test Method 8081), halogenated volatile organic compounds (VOCs) (EPA Test Method 8010), 17 California Assessment Manual (CAM) metals (EPA Test Method 7000/6010), semi-VOCs (EPA Test Method 8270), polychlorinated biphenyls (PCBs) (EPA Test Method 8080), and pH.

No petroleum hydrocarbons, BTEX, MTBE, VOCs, semi-VOCs, organochlorine pesticides, or PCBs were detected in any of the three ground water samples. The analysis for pH yielded values of 8.2 for sample EB-1, 7.7 for sample EB-2, and 7.8 for sample EB-3. Only low levels of metals were detected in the samples. Copies of the analytical reports and chain of custody documentation are presented in Appendix E.

7.0 CONCLUSIONS

7.1 Historical Summary

The site appeared to have been used for agriculture in the 1950s through 1970s, and then was undeveloped. No information was found indicating that significant quantities of hazardous materials historically have been used or stored at the site. Hazardous materials were not observed on-site at the time of this study.

7.2 Potential On-Site Soil and Ground Water Concerns

Due to the agricultural history of the site, a potential environmental concern is the possible presence of residual pesticides in the native soils. We do not consider these pesticides a significant concern since they likely will be

reduced in concentration by mixing of the top soil during site development and natural degradation with time. In addition, because the site will be largely capped by the buildings and associated asphaltic concrete drives and parking areas, risk to human health and the environment would be significantly reduced if residual pesticides are present. Furthermore, only low levels of organochlorine pesticides were detected in four of the twenty shallow soil samples. No further work appears required at this time.

Levels of arsenic slightly above the background level for Santa Clara County of 10 ppm were detected in the shallow soil samples. However, we do not consider arsenic a significant concern for this development. The concentrations of other metals appeared to be consistent with typical background concentrations. No further work appears required.

7.3 Potential Environmental Concerns Within the Site Vicinity

Based on the information obtained during this study, no hazardous material incidents have been reported in the site vicinity that would be likely to significantly impact the site. However, several facilities in the vicinity were reported as hazardous materials users; if leaks or spills occur at these facilities, contamination could impact the site, depending upon the effectiveness of cleanup efforts.

7.4 General Conclusions

We understand that Altera Corporation plans to develop the site for commercial/light industrial use. Based on the information obtained during this survey, the planned use appears compatible with the known on-site environmental conditions. No further environmental work appears required at this time.

8.0 LIMITATIONS

As with all site assessments, the extent of information obtained is a function of client demands, time limitations, and budgetary constraints. Our conclusions and recommendations regarding the site are based on readily observable site conditions, review of readily available documents, maps, aerial photographs, and data collected and/or reported by others. We are not responsible for the accuracy of information or data presented by others. ~~Our conclusions and recommendations in this site assessment are~~ qualified in that no soil, ground water, air, or building

material analyses were performed. Sampling and analysis lead to a more reliable assessment of environmental conditions, conditions which often cannot be noted from typical Phase I activities. Should you desire a greater degree of confidence, these samples should be obtained and analyzed to further evaluate environmental conditions.

This report was prepared for the sole use of Altera Corporation. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location.

APPENDIX A
TERMS AND CONDITIONS

APPENDIX B
REGULATORY AGENCY DATABASE REPORT

APPENDIX C

SUBSURFACE INVESTIGATION AND SOIL AND GROUND WATER SAMPLING PROTOCOL

Drilling: The subsurface investigation was performed using a limited access rig equipped with Direct Push Technology equipment. The borings were advanced by hydraulically driving a 1-inch-diameter by 22-inch closed piston sampler designed to allow the interior clear acetate sample liner to remain completely sealed while driven to depth. When at the specified depth, the piston tip was released and the sampler advanced to collect the soil sample within the liner and then retracted to the surface.

Soils encountered in the borings were logged using the Unified Soil Classification System (ASTM D-2487). The logs of the borings, as well as a key to the classification of soil (Figure A-1), are included as part of this appendix.

Soil Sampling: Soil samples for laboratory analysis were collected in acetate liners. The ends of the liners were covered in Teflon film, fitted with plastic end caps, taped, and labeled with a unique identification number. The samples were then placed in an ice-chilled cooler and transported to a state-certified analytical laboratory with chain of custody documentation.

Ground Water Sampling: A Teflon bailer was used to collect ground water samples. After the borings were advanced to just above the ground water table, the bailer was lowered down into the hole to collect the water. The ground water samples were placed in appropriate sample bottles labeled with a unique identification number. The samples were then placed in an ice-chilled cooler and transported to a state-certified analytical laboratory with chain of custody documentation.

Equipment Decontamination: All drilling and sampling equipment was cleaned in a solution of laboratory grade detergent and distilled water or steam cleaned before use at each sampling point.

Report **Phase I Environmental Site Assessment**

Vacant Properties
Assessor Parcel Numbers 726-25-035 and 726-32-021
Morgan Hill, California

Submitted to:

South Bay Development Co.
November 5, 2007

Prepared by:

Geologica Inc.

564 Howard Street, Suite 100
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geologica

Innovative Strategies for Managing Environmental Liability

November 5, 2007

South Bay Development Company
1690 Dell Avenue
Campbell, CA 95008-6901

Attention: Ms. Julie DeShazo

Subject:

**Report
Phase I Environmental Site Assessment
Vacant Properties
APNs 726-25-035 & 726-32-021
Morgan Hill, CA**

Dear Ms. DeShazo:

GEOLOGICA INC. (GEOLOGICA) is pleased to present this Phase I Environmental Site Assessment (ESA) report for the above-referenced property. The purpose of this ESA was to evaluate the site for indications of recognized environmental conditions that have the potential to impact soil and groundwater beneath the subject property.

We have enjoyed working with you on this project and appreciate the opportunity to be of service. Should you have any questions, please do not hesitate to contact us at (415) 596-7883.

Very truly yours,

GEOLOGICA, INC.



Brian F. Aubry, R.G., C.E.G., C.Hg.
Project Manager



Greg Romero
Staff Geologist

Report

Phase I Environmental Site Assessment

Vacant Properties
Assessor's Parcel Numbers 726-25-035 and 726-32-021
Morgan Hill, California

Prepared for:
South Bay Development Co.

Prepared by:
GEOLOGICA INC.
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November 5, 2007

Table of Contents

Section	Page
EXECUTIVE SUMMARY	4
1 INTRODUCTION	6
1.1 Purpose	6
1.2 Guidance Protocol.....	6
1.3 Scope of services	6
1.4 Exclusions.....	7
1.5 Credentials	7
2 SITE LOCATION, SURROUNDING PROPERTIES, AND PHYSICAL SETTING	7
2.1 Site Location	7
2.2 Surrounding Properties	8
2.3 Physical Setting	8
2.3.1 Site and Area Topography and Occurrence of Surface Water	8
2.3.2 Regional and Local Geology and Soil Conditions	8
2.3.3 Groundwater.....	8
2.3.4 Radon Gas / Methane.....	8
3 SITE RECONNAISSANCE	9
3.1 Current Uses	9
3.2 Hazardous Materials – Use and Storage.....	9
3.2.1 Hazardous Materials	9
3.2.2 USTs, ASTs, and Other Containment Structures	9
3.3 Hazardous and Non-Hazardous Wastes	9
3.3.1 Hazardous Waste	9
3.3.2 Waste Oils and Other Wastes	9
3.3.3 Solid Waste.....	10
3.4 Utilities and Infrastructure	10
3.4.1 Electrical Service and Natural Gas.....	10
3.4.2 Backup Generator	10
3.4.3 Potable Water	10
3.4.4 Industrial and Sanitary Sewers.....	10
3.5 Other Environmental Issues	10
3.5.1 Environmental Incidents and Spills.....	10
3.5.2 Polychlorinated Biphenyls (PCBs)	10
3.5.3 Asbestos.....	10
3.5.4 Mold and/or Water Damage.....	10
4 SITE HISTORY	11
4.1 Property History Summary	11
4.2 User Provided Information and Environmental Liens	11
4.3 Historic Aerial Photographs	11
4.4 Historic Topographic Maps	12
4.5 Historical Directories	12
4.6 Historical Sanborn Maps.....	12

Table of Contents (continued)

Section	Page
4.7 Historical Agricultural Use.....	12
5 PREVIOUS ENVIRONMENTAL INVESTIGATIONS.....	12
5.1 Phase I Environmental Site Assessment Update and Soil and Groundwater Quality Evaluation (Lowney, 2000).....	12
6 GOVERNMENTAL AGENCIES - RECORDS REVIEW	13
6.1 Agency communications and public records review	13
6.1.1 City of Morgan Hill Building / Planning Department	13
6.1.2 City of Morgan Hill Fire Department.....	13
6.1.3 Santa Clara County Environmental Health (SCCEH)	13
6.1.4 Santa Clara Valley Water District (SCVWD)	13
6.1.5 Department of Toxic Substances Control (DTSC).....	14
6.1.6 San Francisco Bay Regional Water Quality Control Board (RWQCB).....	14
6.1.7 Bay Area Air Quality Management District (BAAQMD).....	14
6.2 EDR Report	14
6.2.1 EDR Government Agency Databases Summary – Subject Property.....	14
6.2.2 EDR Government Agency Databases Summary – Surrounding Properties	14
7 SUMMARY OF FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS.....	16
7.1 Findings and Conclusions.....	16
7.2 Data Gaps.....	16
7.3 Recommendations	16
8 LIMITATIONS.....	17
9 REFERENCES.....	18

Table of Contents *(continued)*

FIGURES

- 1 Site Location Map
- 2 Site Layout Map

APPENDICES

- A Site Photographs
- B Environmental Data Resources, Inc. (EDR) Reports
- C Relevant Documentation
- D Previous Environmental Investigations

ATTACHMENT

- 1 Professional Resumes

REPORT
PHASE I ENVIRONMENTAL SITE ASSESSMENT
VACANT PROPERTIES
APNs 726-25-035 & 726-32-021
MORGAN HILL, CALIFORNIA

EXECUTIVE SUMMARY

Purpose	This Phase I Environmental Site Assessment (ESA) was prepared by GEOLOGICA, INC. (GEOLOGICA) to identify Recognized Environmental Conditions (RECs) at or near the above-identified Site or Subject Property. This ESA was performed following the request of Ms. Julie DeShazo of South Bay Development Company in accordance with our proposal in conjunction with the contemplated purchasing by South Bay Development Co. of the subject property.
Guidance Protocol	Work was performed in general conformance with the limitations of ASTM Designation E1527-05.
Scope	This assessment was accomplished through, and limited to, the following tasks: • Interviews with knowledgeable personnel; • Site walk-through and windshield survey of subject property vicinity; • Review of records reasonably available at local and regional public agencies through agency visits, telephone contacts, and environmental database search; • Investigation of site history through interviews and review of readily available historic documentation such as: a) Aerial photos; b) Topographic maps; c) Sanborn Fire Insurance Maps; d) Historic city directories; e) Agency files; and f) Previous site investigation documents; and, • Review of readily available relevant documentation available through standard resources regarding environmental, physiographic, hydrologic, geologic, and hydrogeologic conditions.
Site Location and Surrounding Properties	The site comprises of 20 acres of undeveloped vacant land and is located in a commercial/light industrial and residential area of Morgan Hill, CA. The site is approximately 1/2 mile southwest of Interstate 101 and is bounded by Cochrane Road to the northwest, Butterfield Boulevard to the southwest, Jarvis Drive to the southeast, and a restaurant and business park to the northeast. The site is identified as Assessor Parcel Numbers (APNs) 726-25-035 and 726-32-021.
Site Reconnaissance	The 20-acre subject property is undeveloped and currently vacant consisting of tilled soil and grass on open land. The 20-acre vacant lot is designated to be for commercial and office uses. No evidence of onsite dumping or illegal disposal was observed onsite.
Physical Setting	The ground surface in the site vicinity is generally flat and the site elevation is approximately 360 ft above mean sea level. The site and adjoining areas are characterized by unconsolidated and semi-consolidated alluvial fan deposits underlain at depth by Franciscan Assemblage bedrock. According to a geotechnical study for the site, the upper subsurface materials comprise 2 ½ -foot-thick stratum consisting of sandy silts with some fine to coarse gravel. This stratum is underlain by medium dense to very dense, brown, clayey sand with variable amounts of fine to coarse gravel and occasional 3 to 5 inch cobbles to depths ranging to 27 feet. The clayey sands transitions to a medium dense to very dense, clayey gravel that

	includes an increased percentage of cobble deposits to depths of 45 feet. Depth to groundwater is approximately 42 feet below ground surface (bgs). Groundwater beneath the site likely flows northwest towards San Francisco Bay or southwest towards local creeks and the Monterey Bay.
Hazardous Materials and Other Environmental Issues	The site is currently undeveloped and vacant. No evidence of hazardous materials, storage, disposal, dumping and other environmental issues was observed.
Site History	The subject area has been vacant and undeveloped and used primarily for agricultural purposes. Review of topographic maps and aerial photographs dating to 1917 and 1939, respectively, indicated no evidence of historic buildings or structures in the immediate area. The subject property has always been vacant and undeveloped until the present day; the only changes have been residential and commercial development in the surrounding areas.
Previous Investigations / Facility Closure	<u>Phase I Environmental Site Assessment Update and Soil and Groundwater Quality Evaluation (Lowney, 2000).</u> The Phase I Environmental Site Assessment Update and Soil and Groundwater Quality Evaluation was performed by Lowney Associates in July 2000 for the property known as the Cochrane Road Site located in Morgan Hill, CA. Sixteen borings were advanced in the subject property at depths of three feet to evaluate the on-site soil quality. Only background levels of total DDT and Dieldrin were detected in four of the twenty samples analyzed. Background levels of metals were also detected, but no petroleum hydrocarbons, BTEX, VOCs, Semi-VOCs, or PCBs were detected in any of the soil samples. There were also three groundwater samples that were taken and analyzed. Only low levels of metals were detected in the groundwater samples. Lowney concluded that with the agricultural history of the site that it is possible that the presence of residual pesticides is present. They did not consider these pesticides a significant concern since they would likely be reduced in concentration by the mixing of top soil during site development and natural degradation. In addition, it was assumed the soil would be capped by buildings and asphaltic parking areas. Furthermore, the concentrations of metals appeared to be consistent with typical background concentrations. Lowney recommended that no further environmental work was required at that time.
Offsite Properties	There is no direct evidence that contamination from other off-site properties in the area have impacted the property.
Findings & Conclusions	We have performed a Phase I Environmental Site Assessment in conformance with the ASTM 1527-05 Scope of Work for a Phase I Environmental Site Assessment of the undeveloped/vacant property in Morgan Hill, CA. No Recognized Environmental Conditions (RECs) were noted during this investigation. This assessment noted the following: Results of a previous soil and groundwater quality evaluation by Lowney (2000) noted that low levels of organochlorine pesticides, typical of former use agricultural areas, were detected in soil. These are not considered a concern since they would likely be reduced in concentration by mixing of the top soil during development and by natural degradation. In addition, the site will likely be capped by buildings and associated asphaltic parking areas in the future. Low concentrations of several metals, believed to represent background conditions, were also detected in soil and/or groundwater. Consequently, no evidence of a significant release to the environment warranting additional investigation or recommendation was identified.
Recommendations	No additional Phase II work is recommended at this time.

1 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment (ESA) prepared at the request of Ms. Julie DeShazo of South Bay Development Company for the two adjacent vacant properties (or “property” or “subject property” or “site”) located in Morgan Hill, California as shown in **Figure 1 – Site Location Map**.

1.1 PURPOSE

The purpose of this Phase I ESA was to review past and present land use practices and activities at and near the subject property for evidence of Recognized Environmental Conditions (RECs) that could result in impacts to soil, surface water, and/or groundwater at, beneath, or originating from, the subject property. The result of this Phase I ESA is a listing of identified Recognized Environmental Conditions, defined by ASTM as “... *the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.*”

This ESA was in conjunction with the contemplated purchase of the subject property by South Bay Development Company. We understand it is planned to redevelop the building for commercial / industrial use.

1.2 GUIDANCE PROTOCOL

Work was conducted in general conformance with the scope and limitations of the American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process (Standard Designation E1527-05)*.

1.3 SCOPE OF SERVICES

This assessment was accomplished through, and limited to, the following tasks:

- Interviews with knowledgeable personnel;
- Site walk-through and windshield survey of subject property vicinity;
- Review of records reasonably available at local and regional public agencies through agency visits, telephone contacts, and environmental database search;
- Investigation of site history through interviews and review of readily available historic documentation such as: a) Aerial photos; b) Topographic maps; c) Sanborn Fire Insurance Maps; d) Historic city directories; e) Agency files; and f) Previous site investigation documents; and,

- Review of readily available relevant documentation available through standard resources regarding environmental, physiographic, hydrologic, geologic, and hydrogeologic conditions.

1.4 EXCLUSIONS

The collection of air, soil, groundwater, surface water, drinking water, asbestos survey, or lead-based paint, or performance of analytical laboratory testing for hydrocarbons, lead, radon, or other compounds, was not included as a part of our scope of services, nor is the sampling and testing of these materials within the normal scope of a Phase I ESA. This work did not constitute a comprehensive regulatory compliance, cultural/archaeological resources, endangered species, wetlands, indoor air quality, or high voltage power line audits.

1.5 CREDENTIALS

This report has been prepared under the professional supervision of the principal(s) whose signature(s) appear herein. Resumes for those individuals are included in **Attachment 1**. The information contained in this report has received appropriate technical review and approval. The conclusions represent professional judgments and are founded upon the findings of the investigations identified in the report and the interpretation of such data based on our experience and expertise according to the existing standards of care for work of this kind.

2 SITE LOCATION, SURROUNDING PROPERTIES, AND PHYSICAL SETTING

This section describes the site location and physical characteristics based on: GEOLOGICA Staff Geologist Greg Romero's site observation visit; information and data obtained from topographic maps and physical environment information provided by Environmental Data Resources (EDR); and, office-based research.

2.1 SITE LOCATION

The site is located in Morgan Hill, California as shown in **Figure 1 – Site Location Map**. The site comprises of 20 acres of undeveloped vacant land and is located in a commercial/light industrial and residential area of Morgan Hill. The site is approximately 1/2 mile southwest of Interstate 101 and is bounded by Cochrane Road to the northwest, Butterfield Boulevard to the southwest, Jarvis Drive to the southeast, and a restaurant and business park to the northeast. A **Site Layout Map** is provided as **Figure 2**. The site is identified as Assessor Parcel Numbers (APNs) 726-25-035 and 726-32-021. Selected photographs of the property and vicinity are reproduced in **Appendix A**.

2.2 SURROUNDING PROPERTIES

The subject property is located in a commercial/light industrial and residential area of Morgan Hill. Adjacent and nearby properties observed during the November 1, 2007 site observation visit included:

- Northwest – Cochrane Road, beyond which are commercial buildings.
- Southwest – Butterfield Boulevard, beyond which are residential and commercial building currently under construction.
- Southeast – Jarvis Drive, beyond which are commercial/industrial buildings.
- Northeast – Marie Calendars Restaurant and office building/complex, beyond which is Sutter Boulevard.

2.3 PHYSICAL SETTING

This section summarizes site and general area physical setting information.

2.3.1 SITE AND AREA TOPOGRAPHY AND OCCURRENCE OF SURFACE WATER

The ground surface in the site vicinity is generally flat. The site elevation is approximately 360 ft above mean sea level (Lowney, 2000).

2.3.2 REGIONAL AND LOCAL GEOLOGY AND SOIL CONDITIONS

The site and adjoining areas are characterized by unconsolidated and semi-consolidated alluvial fan deposits underlain at depth by Franciscan Assemblage bedrock. According to a geotechnical study for the site (Lowney, 2000a), the upper subsurface materials comprise 2 ½ -foot-thick stratum consisting of sandy silts with some fine to coarse gravel. This stratum is underlain by medium dense to very dense, brown, clayey sand with variable amounts of fine to coarse gravel and occasional 3 to 5 inch cobbles to depths ranging to 27 feet. The clayey sands transitions to a medium dense to very dense, clayey gravel that includes an increased percentage of cobbly deposits to depths of 45 feet.

2.3.3 GROUNDWATER

Depth to groundwater is approximately 42 feet below ground surface (bgs). Groundwater beneath the site likely flows northwest towards San Francisco Bay or southwest towards local creeks and the Monterey Bay (Lowney, 2000).

2.3.4 RADON GAS / METHANE

Neither radon nor methane are typically issues of concern in the area of the site. Furthermore the site is currently undeveloped and vacant.

3 SITE RECONNAISSANCE

A site reconnaissance of the property was conducted on November 1, 2007 by GEOLOGICA Staff Geologist Mr. Greg Romero. The purpose of the site reconnaissance was to observe existing property conditions and to evaluate evidence for recognized environmental conditions, including hazardous materials and/or wastes.

Observations noted during the site reconnaissance are summarized below. The property layout and general setting is provided in **Figure 2 – Site Layout Map**. Site photographs of the property and immediate vicinity are included in **Appendix A**.

3.1 CURRENT USES

The 20-acre subject property is undeveloped and currently vacant consisting of tilled soil and grass on open land. The 20-acre vacant lot is designated to be for commercial and office uses. No evidence of onsite dumping or illegal disposal was observed onsite.

3.2 HAZARDOUS MATERIALS – USE AND STORAGE

This section describes site hazardous materials use and storage conditions.

3.2.1 HAZARDOUS MATERIALS

The site is currently undeveloped and vacant. No evidence of hazardous materials, storage, disposal, and dumping was observed.

3.2.2 USTs, ASTs, AND OTHER CONTAINMENT STRUCTURES

There was no evidence or surface indications of aboveground storage tanks (AST) or underground storage tanks (USTs) on the property. Furthermore, the EDR database search indicated no historical presence of USTs at the site.

3.3 HAZARDOUS AND NON-HAZARDOUS WASTES

This section describes liquid and solid waste streams generated or produced at the subject property.

3.3.1 HAZARDOUS WASTE

The site is currently undeveloped and vacant. No evidence of hazardous waste, storage, disposal, and dumping was observed.

3.3.2 WASTE OILS AND OTHER WASTES

The site is currently undeveloped and vacant. No evidence of waste oils or other waste, storage, disposal, and dumping was observed.

3.3.3 SOLID WASTE

The site is currently undeveloped and vacant. No solid waste was observed.

3.4 UTILITIES AND INFRASTRUCTURE

Site utility services and infrastructure are described in the following sections.

3.4.1 ELECTRICAL SERVICE AND NATURAL GAS

The site is currently undeveloped and vacant.

3.4.2 BACKUP GENERATOR

The site is currently undeveloped and vacant.

3.4.3 POTABLE WATER

The site is currently undeveloped and vacant.

3.4.4 INDUSTRIAL AND SANITARY SEWERS

The site is currently undeveloped and vacant.

3.5 OTHER ENVIRONMENTAL ISSUES

The following other environmental issues were also considered.

3.5.1 ENVIRONMENTAL INCIDENTS AND SPILLS

The site is currently undeveloped and vacant. No evidence of environmental incidents and spills was observed.

3.5.2 POLYCHLORINATED BIPHENYLS (PCBs)

A visual review was conducted for the presence of electrical equipment that could contain polychlorinated biphenyls (PCBs), an environmentally regulated material used in dielectric fluid in some electrical equipment. The site is currently undeveloped and vacant and no potential or suspected PCB containing units were observed on the property.

3.5.3 ASBESTOS

The site is currently undeveloped and vacant.

3.5.4 MOLD AND/OR WATER DAMAGE

The site is currently undeveloped and vacant.

4 SITE HISTORY

Information about the property's history and development are summarized below. Copies of historical Aerial photographs, Topographic maps, and available Sanborn Maps and City Directories are provided in **Appendix B**.

4.1 PROPERTY HISTORY SUMMARY

The subject area has been vacant and undeveloped and used primarily for agricultural purposes. Review of topographic maps and aerial photographs dating to 1917 and 1939, respectively indicated no evidence of historic buildings or structures in the immediate area. The subject property has always been vacant and undeveloped until the present day; the only changes have been residential and commercial development in the surrounding areas.

4.2 USER PROVIDED INFORMATION AND ENVIRONMENTAL LIENS

A User Questionnaire, presented in ASTM 1527-05, was provided to Julie DeShazo of South Bay Development for completion during the week of October 29, 2007. The completed questionnaire is included in **Appendix C**. As a representative of the prospective buyer, Ms. DeShazo has limited knowledge of the site. However, she was unaware of any environmental liens, activity use limitations (AULs), or over encumbrances to the property and noted the property was priced at fair market value.

4.3 HISTORIC AERIAL PHOTOGRAPHS

Historical aerial photographs were provided by EDR and are reproduced in **Appendix B**.

<u>Year</u>	<u>Source of Photo</u>	<u>Scale</u>	<u>Site & Surrounding Property Use</u>
1939	Fairchild	1"=555'	The subject property and vicinity appears to be farm and /or agricultural in use.
1956	Aero	1"=555'	The subject property and vicinity appears to be farm and /or agricultural in use.
1965	Cartwright	1"=333'	The subject property and vicinity appears to be farm and /or agricultural in use.
1982	WSA	1"=690'	The subject property and vicinity appears to be undeveloped land. Surrounding areas have begun to be developed.
1993 1998	USGS USGS	1"=666' 1" =666'	The subject property is present and undeveloped. Surrounding areas are significantly more developed. The adjacent restaurant to the northeast is present.

4.4 HISTORIC TOPOGRAPHIC MAPS

Historic topographic maps were provided by EDR and are reproduced in **Appendix B**.

<u>Year</u>	<u>Scale</u>	<u>Site & Surrounding Property Uses (Topographic Maps)</u>
1917	1:62,500	The property is located within an undeveloped area, though minimal detail is present at the scale.
1955	1:24,000	The property is designated as agricultural or undeveloped land.
1968	1:24,000	The property is designated as agricultural or undeveloped land.
1973	1:24,000	The property is designated as agricultural or undeveloped land.
1980	1:24,000	The property is designated as agricultural or undeveloped land.

4.5 HISTORICAL DIRECTORIES

There is no property address, therefore an EDR City Directory abstract was not provided for the subject property.

4.6 HISTORICAL SANBORN MAPS

EDR reported “No Coverage” for historical Sanborn Maps.

4.7 HISTORICAL AGRICULTURAL USE

In our experience, prior agricultural use in Santa Clara Valley is common and is rarely cause for concern. The aerial photos (**Appendix B**) do not show any former structures on the site that might indicate pesticide / herbicides mixing, vehicle storage/maintenance, etc.

5 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

The following sections summarize previous site environmental investigation activities conducted at the site. Relevant documentation and selections from key reports are included in **Appendix D**.

5.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE AND SOIL AND GROUNDWATER QUALITY EVALUATION (LOWNEY, 2000)

The Phase I Environmental Site Assessment Update and Soil and Groundwater Quality Evaluation was performed by Lowney Associates in July 2000 for the property known as the Cochrane Road Site located in Morgan Hill, CA. Sixteen borings were advanced in the subject

property at depths of three feet to evaluate the on-site soil quality. Only background levels of total DDT and Dieldrin were detected in four of the twenty samples analyzed. Background levels of metals were also detected but no petroleum hydrocarbons, BTEX, VOCs, Semi-VOCs, or PCBs were detected in any of the soil samples. There were also three groundwater samples that were taken and analyzed. Only low levels of metals were detected in the groundwater samples. Lowney concluded that with the agricultural history of the site, it is possible that residual pesticides are present. They did not consider these pesticides a significant concern since they would likely be reduced in concentration by the mixing of top soil during site development and natural degradation. In addition, it was assumed the soil will be capped by buildings and asphaltic parking areas. Furthermore, the concentrations of metals appeared to be consistent with typical background concentrations. Lowney recommended no further environmental work at the time.

6 GOVERNMENTAL AGENCIES - RECORDS REVIEW

GEOLOGICA reviewed readily available records from the entities listed below.

6.1 AGENCY COMMUNICATIONS AND PUBLIC RECORDS REVIEW

GEOLOGICA submitted agency record review requests to relevant regulatory agencies for the subject property in Morgan Hill. Results of agency requests are detailed below

6.1.1 CITY OF MORGAN HILL BUILDING / PLANNING DEPARTMENT

The City of Morgan Hill Building / Planning Department was contacted by Mr. Romero. No records of historical information were available for the subject property.

6.1.2 CITY OF MORGAN HILL FIRE DEPARTMENT

According to representatives of this agency, hazardous materials files are kept for sites with current street addresses only; and since the site has no street address, thus, there was no file for the subject property.

6.1.3 SANTA CLARA COUNTY ENVIRONMENTAL HEALTH (SCCEH)

Santa Clara County Environmental Health reported that there was no available file for the subject property.

6.1.4 SANTA CLARA VALLEY WATER DISTRICT (SCVWD)

No file was identified for the subject property.

6.1.5 DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)

No file was identified for the subject property.

6.1.6 SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (RWQCB)

No file was identified for the subject property.

6.1.7 BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD)

No file was identified for the subject property.

6.2 EDR REPORT

The report prepared by EDR entitled The EDR Radius Map with GeoCheck Report dated October 22, 2007 contains a summary of a search of federal, state, and local governmental environmental information sources listing known or potential hazardous waste sites or landfills, and sites currently under investigation for environmental violations that might include the property or properties in the vicinity and USTs, according to prescribed search distances referenced in ASTM Designation E 1527-05. A reproduction of this report is presented in **Appendix B**.

6.2.1 EDR GOVERNMENT AGENCY DATABASES SUMMARY – SUBJECT PROPERTY

The subject property was not listed in any of the databases searched by EDR.

6.2.2 EDR GOVERNMENT AGENCY DATABASES SUMMARY – SURROUNDING PROPERTIES

Properties that are located nonadjacent and interpreted as hydraulically downgradient of the property are unlikely to have impacted soil and groundwater with hazardous materials at the property. The EDR regulatory agency database reported numerous listings within required search radii of the property. Each of these properties is described below. The sites listed are generally hydraulically up-gradient or cross-gradient from the subject property. In some cases, sites are listed in multiple databases.

EPA RCRA-LQG – There are three (3) additional sites on this list within 0.25-miles of the subject property.

EPA RCRA-SQG – There are three (3) additional sites on this list within 0.25-miles of the subject property.

CA CORTESE - There are two (2) additional sites on this list within ½-mile of the subject property.

CA SLIC – There is one (1) additional site on this list within ½-mile of the subject property.

ENVIROSTOR - There are two (2) additional sites on this list within 1-mile mile of the subject property.

Summary – Although there are some listed sites in the vicinity, based on the regulatory agency status and/or location of these facilities relative to the subject site, the potential for these sites to have impacted the subject property is considered low at this time.

7 SUMMARY OF FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

This section summarizes the findings and provides conclusions of the Phase I ESA, and lists recommendations to address residual environmental issues and/or concerns.

7.1 FINDINGS AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the ASTM 1527-05 Scope of Work for a Phase I Environmental Site Assessment of the undeveloped/vacant property in Morgan Hill, CA. No Recognized Environmental Conditions (RECs) were noted during this investigation. This assessment noted the following:

- Results of a previous soil and groundwater quality evaluation by Lowney (2000) noted that low levels of organochlorine pesticides, typical of former agricultural use areas, were detected in soil in four of twenty samples tested. These are not considered a concern since they would likely be reduced in concentration by mixing of the top soil during development and by natural degradation. In addition, the site will likely be capped by buildings and associated asphaltic parking areas in the future. Low concentrations of several metals, believed to represent background conditions, were also detected in soil and/or groundwater. Consequently, no evidence of a significant release to the environment warranting additional investigation or recommendation was identified.

7.2 DATA GAPS

In the opinion of the preparer of this Phase I ESA, no significant data gaps, as defined in ASTM 1527-05, were noted during performance of this Phase I ESA.

7.3 RECOMMENDATIONS

No additional work is recommended at this time.

8 LIMITATIONS

This Phase I ESA report is subject to GEOLOGICA's Agreement with South Bay Development Company. Other parties may rely on the findings and conclusions of the report for informational purposes only. However, South Bay and other parties who may rely on the findings and conclusions of the report should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings and conclusions in this report are predicated on a site reconnaissance, a review of specified regulatory records, and a review of the historical usage of the property as presented in this report.

The information obtained is only relevant for the dates of the records reviewed or as of the date of the latest site visit. Thus, the information contained herein is only valid as of the date of the report, and will require an update to reflect recent records review/site visits. Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee of the results of the study is made within the intent of this report or any subsequent report, correspondence or consultation, either express or implied. The services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered. South Bay and other parties should also understand that lead in drinking water, wetlands, and methane gas were not addressed in the scope of services of this report.

9 REFERENCES

- ASTM Designation E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. American Society for Testing and Materials (ASTM), West Conshohocken, PA.
- EDR –Aerial Photo Decade Package for Cochrane Rd Morgan Hill, CA 95037, October 23, 2007.
- EDR- Historical Topographic Map Report for Cochrane Rd Morgan Hill, CA 95037, October 23, 2007.
- EDR- The Sanborn Map Report for Cochrane Rd Morgan Hill, CA 95037, October 23, 2007.
- EDR- The EDR Radius Map with GeoCheck for Cochrane Rd Morgan Hill, CA 95037, October 22, 2007.
- Lowney Associates, July 14, 2000. *Phase I Environmental Site Assessment Update and Soil and Groundwater Quality Evaluation, Cochrane Road Site Morgan Hill, CA*.
- Lowney Associates, August 24, 2000. *Preliminary Geotechnical Investigation, 20-Acre Cochrane Road Site Morgan Hill, CA*.

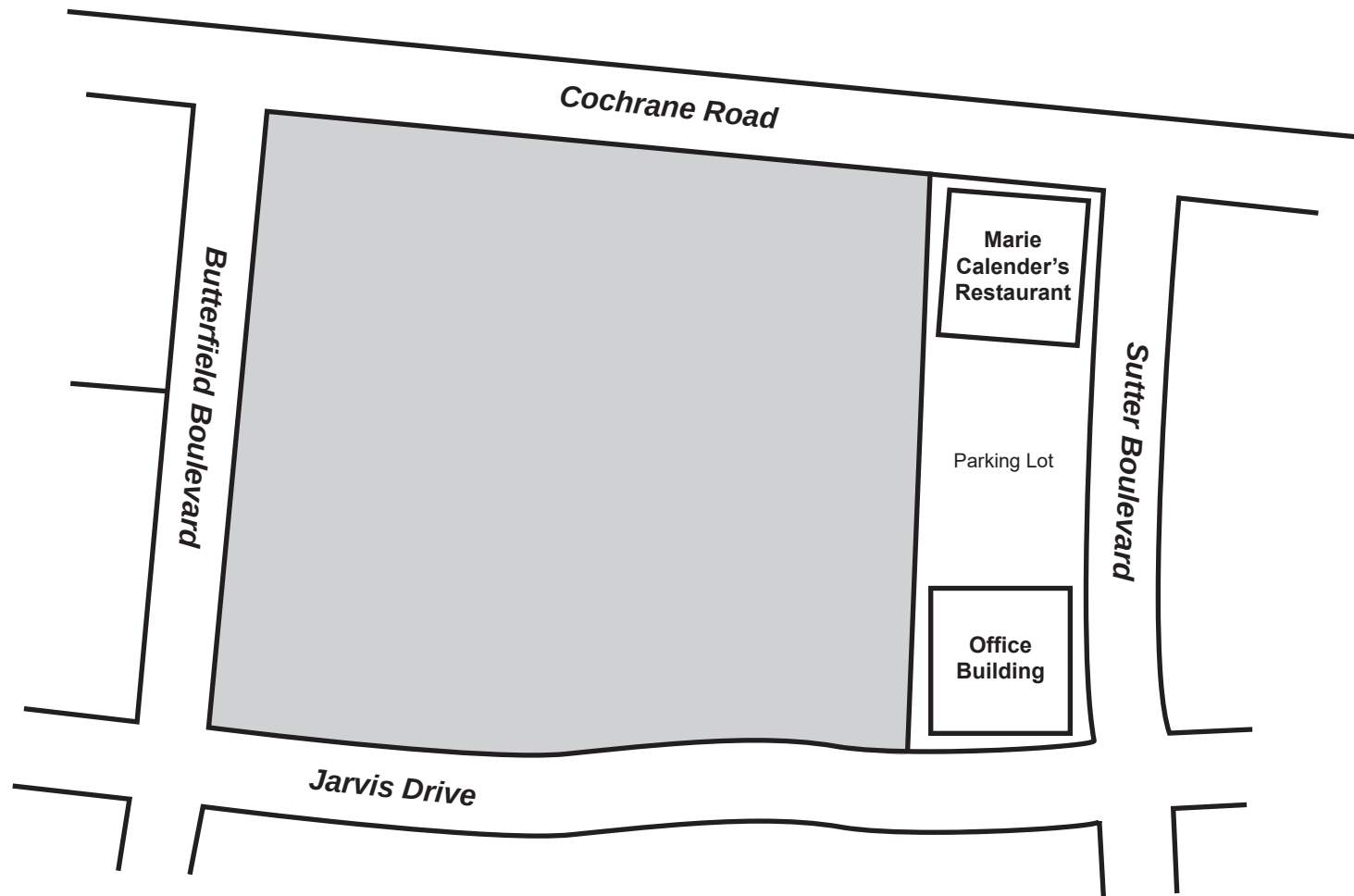
Figures

Figure 1 Site Location Map

Figure 2 Site Layout Map



Figure 1



Not to Scale

Site Layout Map

Vacant Property
APNs 726-25-0352 & 726-32-021
Morgan Hill, California

geologica
San Francisco, CA

Figure 2



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**PROPOSED COMMERCIAL DEVELOPMENT
EAST CORNER OF COCHRANE ROAD
AND BUTTERFIELD BOULEVARD
MORGAN HILL, CALIFORNIA**

**SALEM PROJECT NO. 5-417-1049
NOVEMBER 16, 2017**

PREPARED FOR:

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TABLE OF CONTENTS

Job No. 5-417-1049

1.0	EXECUTIVE SUMMARY	1
2.1	Purpose.....	1
2.2	Scope of Work	2
3.0	SITE DESCRIPTION.....	3
4.0	PHYSIOGRAPHY AND HYDROGEOLOGIC CONDITIONS.....	3
5.0	SITE RECONNAISSANCE	4
5.1	Observations	4
5.2	Adjacent Streets and Property Usage.....	5
5.3	Potable Water Source.....	5
5.4	Sewage Disposal System	6
5.5	Heating and Cooling Source	6
6.0	USER-PROVIDED INFORMATION.....	6
6.1	Title Report.....	6
6.2	Phase I Environmental Site Assessment User Questionnaire	6
7.0	SITE USAGE SURVEY	7
7.1	Phase I Environmental Site Assessment Owner Questionnaire.....	7
7.2	Historical Aerial Photograph Review	7
7.3	Building Department Records Review	9
7.4	City Directories.....	9
7.5	Sanborn Fire Insurance Maps	9
7.6	Agricultural Chemicals	9
7.7	Phase I Environmental Site Assessment Interview - Previous Owner.....	9
7.8	Previous Environmental Reports	10
8.0	REGULATORY AGENCY RECORDS REVIEW	10
8.1	Standard Environmental Record Sources	11
9.0	POTENTIAL VAPOR ENCROACHMENT CONDITION	15
9.1	Vapor Encroachment Screening	15
10.0	BUSINESS ENVIRONMENTAL RISKS.....	16
10.1	Asbestos-Containing Building Materials	16
10.2	Lead-Based Paint	17
10.3	Radon	17
10.4	Mold.....	17
11.0	DISCUSSION OF FINDINGS	18
11.1	Evaluation of Data Gaps/Data Failure	19
12.0	SUMMARY AND CONCLUSIONS	19
13.0	LIMITATIONS	19
14.0	QUALIFICATIONS	20
15.0	REFERENCES.....	21

TABLE OF CONTENTS (cont'd)
Job No. 5-417-1049

PHOTOGRAPHS

Following the Text of the Report

FIGURES

Topographic Map.....	1
Aerial Photograph.....	2
Site Map.....	3

APPENDICES

Title Insurance Report.....	A
Phase I ESA All Appropriate Inquiry (AAI) User Questionnaire.....	B
Phase I ESA All Appropriate Inquiry (AAI) Owner Questionnaire	C
Aerial Photographs.....	D
City Directory Image Report.....	E
Sanborn Fire Insurance Maps No Coverage Certification	F
EDR Radius Map Report	G
Professional Resumes	H

November 16, 2017

Job No. 5-417-1049

PHASE I ENVIRONMENTAL SITE ASSESSMENT**PROPOSED COMMERCIAL DEVELOPMENT
EAST CORNER OF COCHRANE ROAD AND BUTTERFIELD BOULEVARD
MORGAN HILL, CALIFORNIA****1.0 EXECUTIVE SUMMARY**

SALEM Engineering Group, Inc. (SALEM) has conducted a Phase I Environmental Site Assessment (ESA) of the Proposed Commercial Development site located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California (subject property). The subject property comprises two contiguous irregular-shaped parcels totaling approximately 20.43 acres (Santa Clara County Assessor's Parcel Numbers [APNs] 726-25-035 and 726-32-021).

SALEM conducted this Phase I ESA of the subject property in conformance with the American Society for Testing and Materials (ASTM) E1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The U.S. Environmental Protection Agency (USEPA) has determined that the ASTM E1527-13 Standard is consistent with the requirements for conducting an "All Appropriate Inquiry" under 40 C.F.R. Part 312. Thus, this Phase I ESA constitutes All Appropriate Inquiry (AAI) designed to identify Recognized Environmental Conditions (RECs) in connection with the previous ownership and uses of the subject property as defined by ASTM E1527-13 and 40 C.F.R. Part 312.

ASTM E1527-13 Section 1.1.1 *Recognized Environmental Conditions* – The term *recognized environmental conditions* is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term as further defined by ASTM "is not intended to include de minimis conditions that generally do 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." Conditions determined to be *de minimis* are not *recognized environmental conditions*.

SALEM identified no evidence of a REC in connection with the subject property as defined by ASTM E1527-13.

2.0 PURPOSE AND SCOPE OF ASSESSMENT**2.1 Purpose**

According to ASTM E1527-13, the purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and *petroleum products*. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitation on

CERCLA liability (hereinafter, the “*landowner liability protections*,” or “*LLPs*”): that is, the practice that constitutes “*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice” as defined at 42 U.S.C. §9601(35) (B).

The Phase I ESA was conducted to identify ‘Recognized Environmental Conditions’ (RECs), ‘Controlled Recognized Environmental Conditions’ (CRECs) and ‘Historical RECs’ (HRECs) as defined by the American Society for Testing and Materials (ASTM) *Designation E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Section 1.1.1 of the ASTM *Designation E1527-13* defines an REC as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.” The term as further defined by ASTM “is not intended to include de minimis conditions that generally do 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.” Section 3.2.18 defines a CREC as a “recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).” Section 3.2.42 defines HREC as a “past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and land use limitations, institutional controls, or engineering controls).”

2.2 Scope of Work

The objective of the SALEM Phase I ESA scope of work is to provide an evaluation of RECs at the subject property and potential off-site sources. The scope of work for this Phase I ESA conforms to ASTM E1527-13. SALEM was provided authorization to conduct the Phase I ESA by Mr. Cameron Miller with Evergreen Devco on September 14, 2017, in accordance SALEM’s proposal P5-417-0295. In fulfillment of the SALEM scope of work for this Phase I ESA, SALEM was retained to perform the following tasks:

- Acquire readily available information regarding land-use history and property development by reviewing historical aerial photographs, pertinent building permit records, historic city directories, as well as reviewing recent and historic topographic land-use maps of the subject property and surrounding area.
- Reviewing readily available local, state and federal regulatory agency databases listed in ASTM E1527-13 and compiled by Environmental Data Resources, Inc. (EDR), including but not limited to CERCLA and NPL lists for sites within one mile of the subject property. State databases, including but not limited to CALSITES, Hazardous Substance Account Act, Cortese, SWIS, SWAT, Well Investigation Program (AB1803), and LUFT, were reviewed for sites within one mile of the subject property.
- Performing a reconnaissance of the subject property and surrounding areas (up to one-half mile beyond site boundary), with regard to potential off-site sources of degradation to the subject property, which included photograph documentation of subject property conditions, and identification of potential environmental concerns.

- Interviews with persons knowledgeable of the previous and current ownership and uses of the subject property.
- Identifying aboveground storage tanks and/or indications of underground storage tanks on-site.
- In addition to ASTM E1527-13, SALEM recognizes ASTM *Standard Guide for Vapor Encroachment Screening (VES) on Property Involved in Real Estate Transactions* (ASTM E2600-15) as an industry-accepted guideline to determine if a Vapor Encroachment Condition (VEC) exists at the target property. A VES consists of reviewing the Phase I ESA data combined with the application of professional judgment. SALEM evaluates the regulatory agency databases to determine if there are known or suspect contaminated sites within a minimum search distance of the target property. In addition, SALEM attempted to determine whether soil and/or groundwater have been impacted within the critical distances outlined in ASTM E2600-15.
- Preparing this report of SALEM's findings and recommendations if warranted.

3.0 SITE DESCRIPTION

The subject property comprises two contiguous irregular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. At the time of SALEM's September 26, 2017 site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property. The subject property is located within Section 16, Township 9 South, Range 3 East, Mount Diablo Base and Meridian, Morgan Hill, California, 7.5-minute United States Geological Survey (USGS) topographic map, dated 2012.

4.0 PHYSIOGRAPHY AND HYDROGEOLOGIC CONDITIONS

The subject property is located in the Coast Range Geomorphologic Province. The Coast Range Geomorphologic Province borders the coast of California and generally consists of northwesterly /southeasterly trending ridges of granitic, metavolcanic, and metasedimentary rocks. Numerous northwest to southeast trending faults parallel the trend of the Coast Ranges. The Coast Ranges generally consist of an alternating series of parallel mountains and valleys located adjacent to the Pacific Coast. San Francisco Bay is a broad shallow depression within the Coast Ranges that has been subsequently filled with sedimentary deposits. The bedrock units that form the range have been disrupted by intense folding, faulting, and crushing that occurred when the range was formed by the processes of plate tectonics. During the Jurassic and Cretaceous Periods (about 150 to 80 million years ago), the Pacific Oceanic Plate, which was progressively moving towards the east, collided with the North American Continental Plate, which was moving toward the west. This collision caused the less rigid Pacific Oceanic Plate to be subducted beneath the North American Continental Plate. The colliding motion of the two plates caused portions of the Pacific Oceanic Crust and overlying marine sediments to be piled onto the North American Continental Plate along the West Coast of California. The resulting chaotic jumble of bedrock units scraped off onto the North American Plate, is known as the "Franciscan Assemblage" and comprises a large portion of the Coast Range Province. Subsequent development of a series of northwest-trending fault zones has further contributed to the deformation of the Coast Range. The near-surface deposits in the vicinity of the subject site are indicated to be comprised of recent colluvium consisting of unconsolidated sands, silt, and clays derived from erosion of local mountain ranges. The colluvium is underlain by a lower Eocene, marine claystone/sandstone identified as the Maganos Formation. This formation trends northwest to southeast with a dip of 67 to 70 degrees southwest.

According to California Regional Water Quality Control Board (RWQCB) records for the Harbor Street Widening Project leaking underground storage tank (LUST) site at Cochrane Plaza Chevrolet, located approximately 4,550 feet northwest of the subject property, groundwater is reported to be first encountered at a depth of between approximately 40 to 50 feet below ground surface (bgs). Based upon SALEM's topographic map interpretation, the general direction of groundwater flow in the vicinity of the subject property is toward the west-southwest. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

5.0 SITE RECONNAISSANCE

A site reconnaissance, which included a visual observation of the subject property and properties within the subject area, was conducted by SALEM's environmental assessor on September 26, 2017. The objective of the site reconnaissance is to identify RECs, including the storage and handling of hazardous substances and petroleum products on or in the vicinity of the subject property which have the potential to environmentally impact on-site soils, surface water and groundwater.

5.1 Observations

Table I summarizes the visual observations made during our site reconnaissance. A discussion of the physical observations follows Table I. Refer to the Site Map (Figure 1) and color photographs following the text for the locations of the features discussed in this section of the report.

TABLE I
Summary of Observations during Site Reconnaissance

FEATURE	OBSERVED	NOT OBSERVED
Structures (existing)		X
Evidence of past uses	X	
Hazardous substances and/or petroleum products (including containers)		X
Aboveground storage tanks (ASTs)		X
Underground storage tanks (USTs) or evidence of USTs		X
Strong, pungent, or noxious odors		X
Pools of liquid likely to be hazardous substances or petroleum products		X
Drums		X
Unidentified substance containers		X
Pad-mounted/Pole-mounted transformers/capacitors/other PCB-containing equipment	X	
Subsurface hydraulic equipment		X
Heating/ventilation/air conditioning (HVAC)		X
Stains or corrosion on floors, walls, or ceilings		X
Floor drains and sumps		X
Pits, ponds, or lagoons		X
Stained soil and/or pavement		X
Stressed vegetation		X
Waste or wastewater discharges to surface or surface waters on subject property (including stormwater)		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring wells)		X
Septic Systems		X

The subject property comprises two contiguous irregular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. At the time of SALEM's site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property.

- At the time of the site reconnaissance, what appeared to be an asphalt-paved area (107' x 40') was observed near the northwestern boundary of the subject property. No evidence of staining or spills was observed on the asphalt-paved area during the site reconnaissance. Additionally, what appeared to be a water "pump station" was observed adjacent to the western boundary of the subject property. The address of the "pump station" was identified as 350 Cochrane Road. No evidence of hazardous substances or petroleum products, spills or releases were observed in the vicinity of the "pump station" at the time of the site reconnaissance.
- During the visual observations of the subject property, no hazardous substances or petroleum products were observed to be stored or handled on the subject property. Exposed surface soils did not exhibit obvious signs of discoloration. No other obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the area observed. No standing water or major depressions were observed on the subject property. No indications of former structures, such as foundations, were observed on the subject property.
- A pad-mounted electrical transformer was observed on the southeastern boundary of the subject property. The transformer casing displayed no visual evidence of leakage and the ground surface below the transformer displayed no evidence of discoloration. Based on the absence of staining or fluids adjacent to the transformer at the time of SALEM's site reconnaissance, the transformer is not currently anticipated to pose an adverse impact to the subject property.

5.2 Adjacent Streets and Property Usage

Table II summarizes the adjacent streets and properties uses observed during the SALEM's site reconnaissance.

TABLE II
Adjacent Streets and Property Use

DIRECTION	ADJACENT STREET	ADJACENT PROPERTY USE
Northeast	None	Forbes Grill (18599 Sutter Boulevard); Office Building (18525 Sutter Boulevard)
Southeast	Jarvis Drive	Anritsu (490 Jarvis Drive); Multi-tenant Office (450 Jarvis Drive); Andpak, Inc. (400 Jarvis Drive); Tencate Advanced Composite (18410 Butterfield Boulevard)
Southwest	Butterfield Boulevard	Cochrane Village Apartments (18555 Butterfield Boulevard)
Northwest	Cochrane Road	Heritage Bank of Commerce (18625 Sutter Boulevard); Guild Mortgage Company (350 Woodview Avenue); Cochrane Animal Hospital (18650 Adams Court)

Based on the observed uses of the properties located immediately adjacent to the subject property, it is unlikely that significant quantities of hazardous substances or petroleum products are stored or handled at the adjacent properties.

5.3 Potable Water Source

SALEM's research indicates that no potable water has been historically supplied to the subject property. Upon development the water purveyor for the subject property will be the City of Morgan Hill Utility Services (MHUS). The MHUS's water quality monitoring is an on-going program with water samples obtained on a regular basis. It is the responsibility of the MHUS to provide customers with potable water in compliance with the California State Maximum Contaminant Levels (MCLs) for primary drinking water constituents in water supplied to the public. Water sampling was not conducted to verify water quality.

5.4 Sewage Disposal System

On September 27, 2017, the MHUS was contacted regarding sewer service for the subject property. According to MHUS records, sewer service has not been provided to the subject property. No sewer violations, records of septic systems, or oil/water separators are on file for the subject property.

5.5 Heating and Cooling Source

No documentation of fuel oil use was identified during review of reasonably ascertainable records and no visual evidence of fuel oil use was identified during the site reconnaissance. Therefore, it is unlikely for former fuel oil USTs to have been used at the subject property and for a release to have occurred.

6.0 USER-PROVIDED INFORMATION

A review of the user-provided Title report and a Phase I ESA User Questionnaire was conducted in order to help identify pertinent information regarding potential environmental impacts associated with the subject property.

6.1 Title Report

On September 20, 2017, an Owner's Policy of Title Insurance Report for the subject property by First American Title Insurance Company was provided to SALEM by Mr. Cameron Miller with Evergreen Devco. The Commitment for Title Insurance Report was reviewed to identify potential deed restrictions, environmental liens or activity and use limitations (AULs) which may have occurred on or exist in connection with the subject property as indicated by the Commitment for Title Insurance Report. SALEM's review of the Commitment for Title Insurance Report indicated no deed restrictions, environmental liens or AULs for the subject property. Refer to Appendix A for a copy of the Owner's Policy of Title Insurance Report.

6.2 Phase I Environmental Site Assessment User Questionnaire

On September 29, 2017, SALEM was provided with a completed Phase I ESA User Questionnaire from Mr. Cameron Miller with Evergreen Devco, Inc. Please refer to Appendix B for a copy of the completed Phase I ESA User Questionnaire.

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete. The user is asked to provide information or knowledge of the following:

- Environmental cleanup liens that are filed or recorded against the site.
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the LLPs.
- Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
- Commonly known or *reasonably ascertainable* information about the *property*.
- 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.

According to Mr. Miller, to the best of his knowledge as the user of this Phase I ESA, no environmental cleanup liens and no activity or land use limitations have been filed or recorded against the subject property. Mr. Miller has no specialized knowledge or experience of the prior nature of the business or chemical utilization on the subject property. Mr. Miller indicated that he did not have knowledge of the past or current presence of specific chemicals or hazardous substances or petroleum, products, unauthorized spills or chemical releases or of any environmental cleanup liens in connection with the subject property. Additionally, Mr. Miller stated that the purchase price of the subject property reasonably reflects fair market value.

7.0 SITE USAGE SURVEY

In order to assess the subject property's history, SALEM reviewed a completed Phase I ESA Owner Questionnaire, historical aerial photographs, building department records, city directories, planning department records and SFIMs.

7.1 Phase I Environmental Site Assessment Owner Questionnaire

On September 29, 2017, a Phase I ESA Owner Questionnaire was completed by Mr. David Andris with Southbay Development Company, the current owner of the subject property. The Phase I ESA Owner Questionnaire is designed to provide pertinent information regarding potential environmental and historical impacts associated with the subject property. Mr. Andris reported that he has been familiar with the subject property for the past 10 years and that it has been undeveloped land during that time.

According to Mr. Andris, to the best of his knowledge, no on-site treatment or discharge of waste; no dry wells, sumps; no use, storage or disposal of hazardous substances or petroleum products; no existing or former ASTs or USTs; no hazardous material spills; no buried materials; no groundwater monitoring, domestic or irrigation wells, or any additional potential RECs are associated with the subject property. Please refer to Appendix C for a copy of the completed Phase I ESA Owner Questionnaire.

7.2 Historical Aerial Photograph Review

Historical aerial photographs of the subject property and vicinity, dated 1939, 1940, 1950, 1956, 1963, 1968, 1974, 1982, 1998, 2005, 2006, 2009, 2010 and 2012 were reviewed to evaluate changes in land-use for the subject property. The historical aerial photographs were supplied by EDR. Refer to Appendix D for a copy of the EDR-provided aerial photographs. A summary of the aerial photography is provided below:

➤ **1939 Aerial Photograph**

The subject property and adjoining properties appear to be utilized for agricultural purposes for the cultivation of row crops. No structures are located on the subject property. A paved two-lane road (Cochrane Road) is observed adjoining the subject property to the northwest, beyond which is agricultural land.

➤ **1940 Aerial Photograph**

The subject property and adjoining properties to the northeast, southeast and southwest appear to be undeveloped or range land. Cochrane Road is observed adjoining the subject property to the northwest, beyond which is agricultural land.

➤ **1950 Aerial Photograph**

The conditions on the subject property and adjoining properties appear to be similar to the 1940 aerial photograph.

➤ **1956 Aerial Photograph**

The subject property and adjoining properties appear to be utilized for agricultural purposes for the cultivation of with row crops. No structures are located on the subject property.

➤ **1963 Aerial Photograph**

The conditions on the subject property and adjoining properties appear to be similar to the 1956 aerial photograph, with the exception of what appears to be a dirt road transecting the central portion of the subject property from northwest to southeast.

➤ **1968 Aerial Photograph**

The conditions on the subject property and adjoining properties appear to be similar to the 1963 aerial photograph.

➤ **1974 Aerial Photograph**

The conditions on the subject property and adjoining properties appear to be similar to the 1968 aerial photograph.

➤ **1982 Aerial Photograph**

The subject property appears to be undeveloped land graded land, with the exception of the northern portion which appears to be occupied by equipment associated with construction activities and a cul-de-sac (Jarvis Drive) located on the southern portion of the subject property. Undeveloped land adjoins the northeast of the subject property, beyond which is a paved four-lane road (Sutter Boulevard). A portion of Jarvis Avenue and undeveloped land adjoins the subject property to the southeast. Undeveloped land adjoins the southwest of the subject property. Cochrane Road appears to have been widened into a paved four-lane road to the northwest, beyond which is commercial development.

➤ **1998 Aerial Photograph**

The subject property appears as undeveloped graded land. No structures are observed on the subject property. However, there are several dirt paths located on the subject property. Commercial development and undeveloped land adjoin the subject property to the northeast, beyond which is Sutter Boulevard and additional commercial development. Jarvis Drive adjoins the subject property to the southeast, beyond which is commercial and undeveloped land. A dirt road (Butterfield Boulevard) adjoins the subject property to the southwest, beyond which is an apartment complex and undeveloped land. Cochrane Road adjoins the subject property to the northwest, beyond which is commercial and undeveloped land.

➤ **2005 Aerial Photograph**

The conditions on the subject property and adjoining properties to the are similar to the 1998 aerial photograph, with the exception of an increase in commercial development on the adjoining properties to the northeast, southeast and northwest.

➤ **2006 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2005 aerial photograph.

➤ **2009 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2006 aerial photograph, with the exception of the expansion of the apartment complex to the southwest of the subject property.

➤ **2010 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2009 aerial photograph.

➤ **2012 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2010 aerial photograph.

7.3 Building Department Records Review

On September 26, 2017 a records request was made to the City of Morgan Hill Community Development Department (MHCDD) for the subject property APNs 726-25-035 and 726-32-021. According to a representative of the MHCDD, no records or building permits were on file for the subject property. Therefore, no building permits for items of environmental significance such as USTs, septic systems, building demolition, or previous structures are on file for the subject property.

7.4 City Directories

On September 22, 2017, SALEM contracted with EDR to provide a City Directory Image Report dated 1975 through 2013 for the subject property and vicinity. The subject property was not listed in the EDR-provided City Directory Image Report. Please refer to Appendix E for a copy of the EDR-provided City Directory Image Report.

7.5 Sanborn Fire Insurance Maps

SALEM reviews SFIMs to evaluate prior land use at the subject property and adjacent properties. SFIMs typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the property. On September 19, 2017, SALEM contracted with EDR to provide a Fire Insurance Map Abstract indicating the availability of historic SFIMs for the subject property and adjacent properties as far back as 1867. EDR's search of collections at the Library of Congress, University Publications of America, and various public and local sources revealed no coverage for the subject property and adjacent properties. Refer to Appendix F for a copy of the EDR SFIM No Coverage Certification.

7.6 Agricultural Chemicals

Review of historical aerial photographs reveals that the subject property was utilized for agricultural purposes for the cultivation of row crops as early as 1939. By 1940, the subject property was vacant or rangeland. By 1956, the subject property was utilized for agricultural purposes for the cultivation of row crops until at least 1974. The subject property appears to have been graded sometime prior to 1982 in preparation for future development. No structures have historically been located on the subject property. Based upon the length of time since the subject property was last used for agricultural purposes, as well as the grading activities conducted on the subject property in preparation for development prior to 1982 which likely disturbed and mixed shallow on-site soils, it is not anticipated that elevated concentrations of environmentally persistent pesticides would be found in the near-surface soils of the subject property. Generally, SALEM's sampling and analysis of surface soils from properties with similar histories has typically yielded non-detectable concentrations of environmentally persistent pesticides. The potential for elevated concentrations of environmentally persistent pesticides to exist in the near-surface soils of the subject property, which would require regulatory action, is low. Therefore, the historical agricultural use of the subject property does not present an REC to the subject property.

7.7 Phase I Environmental Site Assessment Interview - Previous Owner

A Phase I ESA interview with the previous owner of the subject property was not reasonably ascertainable, as the representative of the current subject property owner, Mr. Andris was unable to provide the requested information to SALEM.

7.8 Previous Environmental Reports

SALEM was not provided with additional environmental reports for the subject property.

8.0 REGULATORY AGENCY RECORDS REVIEW

SALEM conducted a review of regulatory agency records for the purpose of determining if hazardous substances or petroleum products have been stored or handled on the subject property and area properties of environmental concern. The most current records available were reviewed.

California Environmental Protection Agency, Department of Toxic Substances Control

SALEM's September 27, 2017 review of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Envirostor California cleanup sites database available via the DTSC Internet Website which tracks federal superfund sites, state response sites, voluntary cleanup sites, and school cleanup sites, indicated that no records of cleanup sites are on file with the DTSC for the subject property or adjacent properties.

California Regional Water Quality Control Board

SALEM's September 27, 2017 review of the RWQCB GeoTracker leaking underground fuel tank (LUFT) database available via the RWQCB Internet Website indicated no records of LUFTs are on file with the RWQCB for the subject property or adjoining properties.

California Division of Oil, Gas, and Geothermal Resources

SALEM reviewed the California Division of Oil, Gas, and Geothermal Resources (DOGGR) website (<http://maps.conservation.ca.gov/doms/index.html>) to evaluate the potential for existing/former oil, gas, or geothermal wells on the subject property or adjoining properties. The subject property is located within DOGGR District 3. The subject property vicinity is not located within an oil, gas, or geothermal field. The review of DOGGR information does not indicate that an oil, gas, or geothermal well has been drilled on the subject or adjacent properties.

Santa Clara County Environmental Health Department

On September 19, 2017, the Santa Clara County Environmental Health Department (SCCEHD) was contacted regarding records of USTs, historical hazardous/flammable permits, hazardous substances or petroleum products handling, and unauthorized releases of hazardous substances or petroleum products for the subject property APNs 726-25-035 and 726-32-021. According to a representative with the SCCEHD, no records of registered USTs, historical hazardous substances or petroleum products/flammable permits, or unauthorized releases of hazardous substances/petroleum products are on file for the subject property.

City of Morgan Hill Building and Fire Prevention Division

On September 19, 2017, the City of Morgan Hill Building and Fire Prevention Division, Underground Storage Tanks and Hazardous Materials Department (MHBFPD) was contacted regarding records of historical hazardous/flammable permits, hazardous materials handling, hazardous/flammable incidents, and/or USTs for the subject property APNs 726-25-035 and 726-32-021. According to a representative of the MHBFPD, no records of historical hazardous/flammable permits, hazardous materials handling, registered USTs or unauthorized releases of hazardous substances or petroleum products are on file for the subject property.

Local Area Tribal Records

According to the EDR Radius Map Report, no tribal records are listed for the subject property or the adjacent properties.

8.1 Standard Environmental Record Sources

EDR performed a search of Federal, State and local regulatory agency databases for the subject property and surrounding area. The various search distances as required by ASTM E1527-13 extended up to one mile from the subject property. Several agencies have published documents that list businesses or properties which have handled hazardous substances, petroleum products or hazardous waste, or may have had a documented release of hazardous substances or petroleum products. The databases consulted in the course of this assessment were compiled by EDR on September 19, 2017 and represent reasonably ascertainable current listings. SALEM did not verify the locations and distances of every site listed by EDR. SALEM verified locations and distances of the sites SALEM deemed as having a potential to environmentally impact the subject property. The actual location of the off-site properties identified may differ from the EDR listing. Table III summarizes the listed properties located within the specified ASTM Search Radii. The EDR Radius Map report is included in Appendix G.

TABLE III
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
STANDARD ENVIRONMENTAL RECORDS						
<i>Federal NPL Site List</i>						
NPL	National Priorities List	0	0	0	0	0
Proposed NPL	Proposed National Priorities List	0	0	0	0	0
NPL LIENS	Federal Superfund Liens	0	---	---	---	---
<i>Federal Delisted NPL Site List</i>						
Delisted NPL	National Priority List Deletions	0	0	0	0	0
<i>Federal CERCLIS List</i>						
SEMS	Superfund Enterprise Management System	0	0	0	0	---
Federal Facility	Federal Facility	0	0	0	0	---
<i>Federal CERCLIS NFRAP Site List</i>						
SEMS-ARCHIVE	Superfund Enterprise Management System Archive	0	0	0	0	---
<i>Federal RCRA CORRACTS Facilities List</i>						
CORRACTS	Corrective Action Report	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD Facilities List</i>						
RCRA-TSDF	Transporters, Storage, and Disposal	0	0	0	0	---
<i>Federal RCRA Generators List</i>						
RCRA – LQG	RCRA – Large Quantity Generators	0	2	2	---	---
RCRA – SQG	RCRA – Small Quantity Generators	0	2	2	---	---
RCRA – CESQG	Conditionally Exempt SQG	0	0	0	---	---
<i>Federal Institutional Controls/Engineering Controls Registries</i>						
US ENG CONTROLS	Engineering Controls Sites List	0	0	0	0	---
US INST CONTROL	Sites with Institutional Controls	0	0	0	0	---
LUCIS	Land Use Institutional Control Sites	0	0	0	0	---
<i>Federal ERNS List</i>						
ERNS	Emergency Response Notification System	0	---	---	---	---
<i>State and Tribal Equivalent NPL</i>						
RESPONSE	State Response Sites	0	0	0	0	0
<i>State and Tribal Equivalent CERCLIS</i>						
ENVIROSTOR	Envirostor Database	0	3	0	0	1
<i>State and Tribal Landfill and/or Solid Waste Disposal Site List</i>						
SWF/LF	Solid Waste Information System	0	0	0	0	---
<i>State and Tribal Leaking Storage Tank Lists</i>						
LUST	Leaking Underground Storage Tanks	0	0	0	0	---

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
SLIC	Statewide SLIC Cases	0	2	0	0	---
INDIAN LUST	LUST on Indian Land	0	0	0	0	---
State and Tribal Registered Storage Tank Lists						
UST	Active UST Facilities	0	0	1	---	---
AST	Aboveground Storage Tank Facilities	0	1	2	---	---
INDIAN UST	USTs on Indian Land	0	0	0	---	---
FEMA UST	USTs	0	0	0	---	---
State and Tribal Voluntary Cleanup Sites						
INDIAN VCP	Voluntary Cleanup on Indian Land	0	0	0	0	---
VCP	Voluntary Cleanup Program Properties	0	0	0	0	---
ADDITIONAL ENVIRONMENTAL RECORDS						
Local Brownfield Lists						
US BROWNFIELDS	Brownfield Sites	0	0	0	0	---
Local Lists of Landfill/Solid Waste Disposal Sites						
ODI	Open Dump Inventory	0	0	0	0	---
DEBRIS REGION 9	Illegal Dump Site Locations	0	0	0	0	---
SWRCY	Recycler Database	0	0	0	0	---
HAULERS	Registered Waste Tire Haulers Lists	0	---	---	---	---
INDIAN ODI	Report on Open Dumps on Indian Land	0	0	0	0	---
WMUDS/SWAT	Waste Management Unit Database	0	0	0	0	---
Local Lists of Hazardous Waste/Contaminated Sites						
US CDL	Clandestine Drug Labs	0	---	---	---	---
HIST Cal-Sites	Cal sites Database	0	0	0	0	0
SCH	School Property Evaluation Program	0	0	0	---	---
Toxic Pits	Toxic Pits Cleanup Act Sites	0	0	0	0	0
CDL	Clandestine Drug Labs	0	---	---	---	---
US HIST CDL	Historic Clandestine Drug Labs	0	---	---	---	---
Local Lists of Registered Storage Tanks						
CA FID UST	Facility Inventory Database	0	0	0	---	---
HIST UST	Historical UST	0	0	0	---	---
SWEEPS UST	SWEEPS UST Lists	0	0	0	---	---
Local Land Records						
LIENS 2	CERCLA Lien Information	0	---	---	---	---
LIENS	Environmental Liens Listing	0	---	---	---	---
DEED	Deed Restriction Listing	0	1	0	0	---
Records of Emergency Release Reports						
HMIRS	Hazardous Materials Information System	0	---	---	---	---
CHMIRS	CA Hazardous Material Information System	0	---	---	---	---
LDS	Land Disposal Sites Listing	0	---	---	---	---
MCS	Military Cleanup Sites Listing	0	---	---	---	---
SPIILLS 90	List of Industrial Site Cleanups	0	---	---	---	---
Other Ascertainable Records						
RCRA Non-Gen	Non-Generators	0	0	0	---	---
DOT OPS	Incident and Accident Data	0	---	---	---	---
DOD	Department of Defense Sites	0	0	0	0	0
FUDS	Formerly Used Defense Sites	0	0	0	0	0
CONSENT	Superfund Consent Decrees	0	0	0	0	0
ROD	Records of Decision	0	0	0	0	0

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
UMTRA	Uranium Mill Tailings Sites	0	0	0	0	---
US MINES	Mines Master Index File	0	0	0	---	---
TRIS	Toxic Chemical Release Inventory System	0	---	---	---	---
TSCA	Toxic Substances Control Act	0	---	---	---	---
FTTS	FIFRA/TSCA Tracking System	0	---	---	---	---
HIST FTTS	FIFRA/TSCA Tracking System	0	---	---	---	---
SSTS	Section 7 Tracking Systems	0	---	---	---	---
ICIS	Integrated Compliance Information System	0	---	---	---	---
PADS	PCB Activity Database System	0	---	---	---	---
MLTS	Material Licensing Tracking System	0	---	---	---	---
RADINFO	Radiation Information Database	0	---	---	---	---
FINDS	Facility Index System	0	---	---	---	---
RAATS	RCRA Administrative Action Tracking	0	---	---	---	---
RMP	Risk Management Plans	0	---	---	---	---
CA BOND EXP. PLAN	Bond Expenditure Plan	0	0	0	0	0
UIC	UIC Listing	0	---	---	---	---
NPDES	National Pollutants Discharge Elimination	0	---	---	---	---
Cortese	Cortese Hazardous Waste & Substance Sites	0	0	0	0	---
HIST CORTESE	Historical Cortese sites.	0	2	0	0	---
CUPA Listings	CUPA Listing	0	9	18	---	---
Notify 65	Proposition 65 Records	0	0	0	0	0
San Jose HAZMAT	Hazardous Material Facilities	0	0	0	---	---
DRYCLEANERS	Cleaner Facilities	0	0	0	---	---
WIP	Well Investigation Program Case List	0	0	0	---	---
ENF	Enforcement Action Listing	0	---	---	---	---
HAZNET	Facility and Manifest Data	0	---	---	---	---
EMI	Emissions Inventory Data	0	---	---	---	---
INDIAN RESERV	Indian Reservations	0	0	0	0	0
SCRD DRYCLEANER	State Coalition for Remediation of Cleaners	0	0	0	0	---
WDS	Waste Discharge System	0	---	---	---	---
FINANCIAL ASSURANCE	Financial Assurance	0	---	---	---	---
PROC	Certified Processors Database	0	0	0	0	---
HWT	Registered Hazardous Waste Transporter	0	0	0	---	---
HWP	Envirostor Permitted Facilities Listing	0	0	1	0	0
MWMP	Medical Waste Management Program	0	0	0	---	---
LEAD SMELTERS	Lead smelters	0	---	---	---	---
US AIRS	Coal Combustion Residues Surface List	0	---	---	---	---
COAL ASH EPA	Coal Combustion Residues Surface List	0	0	0	0	---
EPA WATCH LIST	EPA watch List	0	---	---	---	---
US FIN ASSUR	Financial Assurance	0	---	---	---	---
PCB TRANSFORMER	PCB Transformer	0	---	---	---	---
2020 COR ACTION	2020 corrective action	0	0	0	---	---
PRP	Potential Responsible Party	0	---	---	---	---
COAL ASH DOE	Steam-Electric Plan Operation Data	0	---	---	---	---

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
PEST LIC	Pesticide Regulation Licenses Listing	0	---	---	---	---
PROC	Certified Processors Database	0	0	0	0	---
WASTEWATER PITS	Oil Wastewater Pits Listing	0	0	0	0	---
ECHO	Enforcement & Compliance History Information	0	---	---	---	---
FUELS PROGRAM	EPA Fuels Program Registered Listings	0	0	0	---	---
EDR HIGH RISK HISTORICAL RECORDS						
<i>EDR Exclusive Records</i>						
Manufactured Gas Plants	Manufactured Gas Plants	0	0	0	0	0
EDR Historical Auto Stations	EDR Historical Auto Stations	0	0	---	---	---
EDR Historical Cleaners	EDR Historical Cleaners	0	0	---	---	---
EDR RECOVERED GOVERNMENT ARCHIVES						
<i>Exclusive recovered Government Archives</i>						
RGA LF	Recovered Government Archive Solid Waste Facilities List	0	---	---	---	---
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank	0	---	---	---	---

0 = No sites in radius identified

--- = Not Searched

The subject property was not identified in the EDR-provided government database report. Two sites with reported releases of hazardous substances or petroleum products to the subsurface were reported within a one-eighth-mile radius of the subject property. This was actually one site that was listed twice on the database:

- The Madrone Land Corporation site is identified located adjacent to the subject property. However, this site was not identified in the vicinity of the subject property during SALEM's site reconnaissance. The Madrone Land Corporation site is actually located approximately 1.11 miles north of the subject property. This site was identified in the EDR-provided Radius Map Report on the SLIC database. No information pertaining to the unauthorized release was available for this facility. It appears that this site has been mis-plotted on the Radius Map. Therefore, the Madrone Land Corporation site does not present an REC to the subject property.

In general, only potentially hazardous substances or petroleum products released from facilities located approximately up-gradient and within a few hundred feet of the site, or in a cross-gradient direction close to the site, are judged to have a reasonable potential of migrating to the site. This opinion is based on the assumption that materials generally do not migrate large distances laterally within the soil, but rather tend to migrate with groundwater in the general direction of groundwater flow.

No engineering control sites, sites with institutional controls, or sites with deed restrictions were listed for the subject property, adjacent sites or vicinity properties in the EDR-provided government database report.

One orphan site was identified in the EDR-provided government database report. Based upon SALEM's visual observations made during our site reconnaissance, as well as various influencing factors including approximate distance from the subject property, the orphan sites are deemed to have a low potential to environmentally impact the subject property.

No Indian reservations or LUSTs on Indian land were reported on the subject property, adjacent sites or vicinity properties in the EDR-provided government database report.

The remaining properties identified by EDR within the specified search radius of the subject property, which appeared on local, state, or federally published lists of sites that have had releases of hazardous substances or petroleum products, were determined through SALEM's field observations to be of sufficient distance and/or situated hydraulically cross/down-gradient of the subject property, such that impacts to the subject property are not likely.

9.0 POTENTIAL VAPOR ENCROACHMENT CONDITION

Vapor intrusion is a way by which chemicals in soil and groundwater can migrate into indoor air. Chemical vapors moving up through soil and into a building are a potential source of indoor air contamination and may pose a risk to human health. In evaluating the potential for a vapor encroachment condition (VEC) on the subject property, SALEM attempted to determine if there was information indicating that chemicals of concern were located within the "critical distance", defined as the lineal distance between the nearest edge of a contaminated plume and the nearest target property boundary. Based on ASTM E 2600-15 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, the "critical distance" is equal to 100 feet, with the exception of dissolved petroleum hydrocarbons, which have a "critical distance" of 30 feet. If non-aqueous phase petroleum hydrocarbons are present, the 100-foot "critical distance" is utilized.

9.1 Vapor Encroachment Screening

SALEM has performed a Vapor Encroachment Screening (Tier 1) in general accordance with the scope and limitations of ASTM Standard Practice E2600-15 for the subject property. The purpose of this Vapor Encroachment Screening (Tier 1) is to identify the existing or potential Vapor Encroachment Conditions (VEC), as defined by ASTM E2600-15, affecting the subject property. As part of the screening, SALEM has completed the following questionnaire, as duplicated from Section X3 of ASTM E2600-15.

TABLE IV
Vapor Encroachment Questionnaire

QUESTION	RESPONSE	COMMENTS
1. Property Type?	Undeveloped	
2. Are there buildings/structures on the subject property?	No	
3. Will buildings/structures be constructed on the subject property in the future?	Yes	
4. If buildings exist or are proposed, do/will they have elevators?	No	
5. Type of level below grade (existing or proposed)?	Slab-on-Grade (proposed)	
6. Is there ventilation below grade?	N/A	
7. Sump pumps, floor drains, or trenches (existing or proposed)?	No	
8. Radon or methane mitigation system installed?	N/A	
9. Heating system type (existing or proposed)?	HVAC (proposed)	
10. Type of fuel energy (existing or proposed)?	Natural Gas (proposed)	
11. Have there ever been any environmental problems at the subject property?	No	
12. Does/will a gas station operate anywhere on the subject property?	No	
13. Do any tenants use hazardous chemicals in relatively large quantities on the subject property?	No	

TABLE IV (cont'd)
Vapor Encroachment Questionnaire

QUESTION	RESPONSE	COMMENTS
14. Have any tenants ever complained about odors in the building or experience health-related problems that may have been associated with the building?	N/A	
15. Are the operations (or proposed operations to be performed) on the subject property OSHA regulated?	No	
16. Are there any existing or proposed under-ground storage tanks (USTs) or above-ground storage tanks (ASTs) located on the subject property?	No	
17. Are there any sensitive receptors (children, elderly, people in poor health, etc.) that occupy or will occupy the subject property?	No	

TABLE V
Additional VEC Criteria

QUESTION	RESPONSE	COMMENTS
1. Is the subject property known to have current or past contamination?	No	
2. Is contamination of the subject property suspected?	No	
3. Is an <u>adjacent</u> property known to have current or past contamination which may have impacted the subject property?	No	
4. Is a <u>nearby</u> property known to have current or past contamination which may have impacted the subject property?	No	
5. Is regional groundwater contamination known to exist beneath the subject property?	No	
6. Are you aware of other conditions which may result in vapor intrusion at the subject property?	No	

Based upon the results of SALEM's Tier 1 VES, it is SALEM's opinion that a potential VEC likely "does not exist" at the subject property. As such, no further assessment is recommended.

10.0 BUSINESS ENVIRONMENTAL RISKS

10.1 Asbestos-Containing Building Materials

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. Asbestos is commonly used as an acoustic insulator, thermal insulation, fire proofing and in other building materials. Friable asbestos-containing material (ACM), when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can be crumbled, pulverized, or reduced to powder during machining, cutting, drilling, or other abrasive procedures. Friable ACM is more likely to release fibers when disturbed or damaged than non-friable ACM. Exposure to airborne friable asbestos may result in a potential health risk because persons breathing the air may breathe in asbestos fibers. Continued exposure can increase the amount of fibers that remain in the lung. Fibers embedded in lung tissue over time may cause serious lung diseases including: asbestosis, lung cancer, or mesothelioma. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

During SALEM's site reconnaissance, no structures were observed on the subject property. Therefore, ACMs are not considered an on-site environmental concern at this time.

10.2 Lead-Based Paint

Lead is a highly toxic metal that affects virtually every system of the body. While adults can suffer from excessive lead exposures, the groups most at risk are fetuses, infants and children under 6. The Consumer Product Safety Commission banned the use of lead in paint in 1978. Most manufactures, however, had ceased using lead well before this time. Paint applied after 1978 is not considered suspect LBP. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X," to protect families from exposure to lead from paint, dust, and soil. Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on lead-based paint (LBP) and LBP hazards before the sale or lease of most housing built before 1978. Sellers, landlords, and their agents are responsible for providing this information to the buyer or renter before sale or lease.

According to Section 1017 of Title X, "LBP hazard is any condition that causes exposure to lead from lead-contaminated dust; bare, lead-contaminated soil; or LBP that is deteriorated or intact LBP present on accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects." Therefore, under Title X intact lead-based paint on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. LBP is defined as any paint, varnish, stain, or other applied coating that has 1.0 mg/cm² (or 5,000 µg/g by weight) or more of lead.

At the time of SALEM's site reconnaissance, no structures were observed on the subject property. Therefore, LBP is not considered an on-site environmental concern at this time.

10.3 Radon

Radon is a naturally occurring gaseous substance resulting from the radioactive decay of uranium to radium and then to radon. Uranium is a common element found in many geologic formations and substrates, particularly igneous and metamorphic rocks. Radon has a half-life of only 3.8 days and decays to its daughter elements (polonium 218, polonium 214, bismuth 214, and lead 214). It is these daughter elements that represent the health hazard commonly associated with radon. Radon gas can enter a building through cracks in the foundation and walls and become attached to dust particles and inhaled which could cause damage to human lung tissue. Radon is measured in picocuries per liter of air (pCi/L). The EPA has an established safe radon level of 4 pCi/L.

Based on the EPA Radon Zone Map of California, the subject property is located within EPA Zone 2, which has a predicted indoor radon screening between 2 pCi/L and 4 pCi/L. The EDR-provided radon data cites Santa Clara County has 100% of 1st floor spaces with <4 pCi/L. However, radon levels may vary from one area to another and the only way to accurately assess radon gas levels on the subject property is to conduct a radon gas survey, which is beyond the scope of this assessment.

10.4 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding). Mold growths often appear as discoloration, staining, or fuzzy growth on building materials or furnishings and are varied colors of white, gray, brown, black, yellow, and green. In large quantities, molds can cause allergic symptoms when inhaled or through the toxins the molds emit.

During SALEM's site reconnaissance, no structures were observed on the subject property. Therefore, mold is not considered an on-site environmental concern at this time.

11.0 DISCUSSION OF FINDINGS

Historical Uses

The subject property comprises two contiguous irregular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. SALEM's review of historical aerial photographs indicates that the subject property was utilized for agricultural purposes for the cultivation of row crops as early as 1939. By 1940, the subject property was vacant or rangeland. By 1956, the subject property was utilized as agricultural land for the cultivation of row crops until at least 1974. The subject property appears to have been graded sometime prior to 1982 in preparation for future development. No structures have historically been located on the subject property. Based upon the length of time since the subject property was last used for agricultural purposes, as well as the grading activities conducted on the subject property in preparation for development prior to 1982, which likely disturbed and mixed shallow on-site soils, it is not anticipated that elevated concentrations of environmentally persistent pesticides would be found in the near-surface soils of the subject property. Generally, SALEM's sampling and analysis of surface soils from properties with similar histories has typically yielded non-detectable concentrations of environmentally persistent pesticides. The potential for elevated concentrations of environmentally persistent pesticides to exist in the near-surface soils of the subject property, which would require regulatory action, is low. Therefore, the historical agricultural use of the subject property does not present an REC to the subject property.

Current Uses

At the time of SALEM's September 26, 2017 site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property. At the time of the site reconnaissance, what appeared to be an asphalt-paved area (107'x 40') was observed on the northwestern boundary of the subject property. No evidence of staining or spills were observed on the asphalt-paved area during the site reconnaissance. Additionally, what appeared to be a water "pump station" was observed adjacent to the western boundary of the subject property. The address of the "pump station" was identified as 350 Cochrane Road. No evidence of hazardous substances, petroleum products, spills or releases were observed in the vicinity of the "pump station" at the time of the site reconnaissance.

During the visual observations of the subject property, no hazardous substances or petroleum products were observed to be stored or handled on the subject property. Exposed surface soils did not exhibit obvious signs of discoloration. No other obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the area observed. No standing water or major depressions were observed on the subject property. No indications of former structures, such as foundations, were observed on the subject property. Based on SALEM's, field observations, and contacts with state and local regulatory agencies, no RECs were identified in connection with the current use of the subject property.

Adjacent Properties

Based on SALEM's field observations, review of the EDR Radius Map Report and consultation with local regulatory agencies, no RECs were identified in connection with the subject property from adjacent property uses.

11.1 Evaluation of Data Gaps/Data Failure

In accordance with ASTM E1527-13 guidance, data gaps represent a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. Data failure represents the failure to achieve the historical research objects of this practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. The following is a summary of data gaps encountered in the process of preparing this report including an observation as the presumed significance of that data gap to the conclusions of this assessment.

- Some of the intervals between documented sources exceeded five years.

However, taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment.

12.0 SUMMARY AND CONCLUSIONS

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527-13 of the Proposed Commercial Development site located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California, the *property*. Any exceptions to, or deletions from, this practice are described in Section 13 of this *report*. During the course of this assessment, SALEM identified no evidence of a REC in connection with the subject property as defined by ASTM E1527-13.

13.0 LIMITATIONS

This Phase I ESA Report has been prepared for the exclusive use of **Evergreen, Evergreen-Butterfield & Cochrane, L.L.C., Evergreen Development Company-2018, L.L.C.** and their subsidiaries and affiliates. Unauthorized use of or reliance on the information contained in this report, unless given express written consent by SALEM, **Evergreen, Evergreen-Butterfield & Cochrane, L.L.C., Evergreen Development Company-2018, L.L.C.** is strictly prohibited. The following limitations and exceptions apply:

- The scope of work completed was designed solely to meet the needs of SALEM's client. SALEM shall not be liable for any unintended usage of this report by another party. In addition, based on the ASTM guidelines, the ESA is only valid if completed within 180 days of an acquisition or the transaction necessitating the ESA.
- No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. This ESA was designed to reduce, but not eliminate the potential for RECs at the subject property, within reasonable limits of time and cost. The ESA is not intended to be exhaustive or all-inclusive and does not represent a guarantee of the identification of all possible environmental risk.
- Information in this report is based on personal interviews, government records, published resources, and various historical documents. Accuracy and completeness of information varies among information sources and may be inaccurate or incomplete. The information utilized in this ESA is

from sources deemed to be reliable; however, no representation or warranty is made as to the accuracy thereof. SALEM will have no ongoing obligation to obtain and include information that was not reasonably ascertainable, practically reviewable or provided to SALEM in a reasonable timeframe to formulate an opinion and complete the assessment by the agreed upon due date.

- The ESA includes some information that may be relevant to regulatory compliance, but is not intended and shall not be construed as a compliance audit and cannot be considered a verification of regulatory compliance. While the general environmental setting of the subject property is described, this assessment is not intended to be a formal flood plain or wetland determination, and no warranty is made thereof. Depending on its past, present or future intended use, the property under review may or may not be subject to regulation and permitting under environmental and health and safety laws, such as, but not limited to, the Clean Air Act, the Clean Water Act, the Solid Waste Disposal Act, the Occupational Safety and Health Act, and other federal, state and local regulations. SALEM assumes no responsibility or liability respecting regulatory permitting or compliance issues.
- Client is advised that if the ESA is obtained with the intent of qualifying the purchaser as an innocent landowner, contiguous property owner, or bona fide prospective purchaser under CERCLA, there will be continuing obligations of due care and responsiveness and additional legal requirements that likely apply to such status. SALEM accepts and undertakes no responsibility as to such requirements and advises that counsel be separately consulted with respect to such requirements.
- The findings and conclusions presented in this Phase I ESA Report are based on field review and observations and on data obtained from the sources listed in the report. The findings of this report are valid as of the present. The passage of time, natural processes or human intervention on the subject property or adjacent properties and changes in the regulations can cause changed conditions which can invalidate the findings and conclusions presented in this report.

14.0 QUALIFICATIONS

This Phase I ESA was conducted under the supervision or responsible charge of SALEM's undersigned environmental professional with oversight from the undersigned registered professional. The work was conducted in accordance with ASTM E1527-13, generally accepted industry standards for environmental due diligence in place at the time of the preparation of this report, and SALEM's quality-control policies. We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

15.0 REFERENCES

The following list summarizes the references utilized in preparing this report:

- Aerial photographs provided by Environmental Data Resources, Inc.
- Cal-EPA Voluntary Cleanup Program records.
- California EPA, Department of Toxic Substances Control records.
- California Department of Conservation – Division of Oil, Gas, and Geothermal Resources records.
- California Regional Water Quality Control Board records.
- California Statewide Radon Survey Screening results.
- City Directory Abstract Report compiled by EDR.
- City of Morgan Hill Municipal Community Development Department records.
- City of Morgan Hill Building and Fire Prevention Division records.
- City of Morgan Hill Utility Services Department records.
- Federal and State regulatory agency lists compiled by EDR.
- Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System.
- Sanborn Fire Insurance Maps for Morgan Hill, California (EDR).
- Santa Clara County Assessor's Office records.
- Santa Clara County Department of Environmental Health records.
- The Munger Map Book, California – Alaska Oil & Gas Fields, Munger Maps – 1999.
- U.S. EPA Federal Superfund Liens List and the U.S. EPA California Liens, 1995.
- U.S. Geological Survey, 7.5 minute Morgan Hill, California topographic quadrangle map, dated 2012.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (408) 577-1090.

Respectfully submitted,

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PHASE I ENVIRONMENTAL SITE ASSESSMENT - UPDATE

**PROPOSED COMMERCIAL DEVELOPMENT
EAST CORNER OF COCHRANE ROAD
AND BUTTERFIELD BOULEVARD
MORGAN HILL, CALIFORNIA**

**SALEM PROJECT NO. 5-417-1049
OCTOBER 24, 2018**

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TABLE OF CONTENTS

Job No. 5-417-1049

1.0	EXECUTIVE SUMMARY	1
2.1	Purpose.....	1
2.2	Scope of Work	2
3.0	SITE DESCRIPTION.....	3
4.0	PHYSIOGRAPHY AND HYDROGEOLOGIC CONDITIONS.....	3
5.0	SITE RECONNAISSANCE	4
5.1	Observations	4
5.2	Adjacent Streets and Property Usage.....	5
5.3	Potable Water Source.....	5
5.4	Sewage Disposal System	6
5.5	Heating and Cooling Source	6
6.0	USER-PROVIDED INFORMATION.....	6
6.1	Title Report.....	6
6.2	Phase I Environmental Site Assessment User Questionnaire	6
7.0	SITE USAGE SURVEY	7
7.1	Phase I Environmental Site Assessment Owner Questionnaire.....	7
7.2	Historical Aerial Photograph Review	7
7.3	Building Department Records Review	9
7.4	City Directories.....	9
7.5	Sanborn Fire Insurance Maps	9
7.6	Agricultural Chemicals	9
7.7	Phase I Environmental Site Assessment Interview - Previous Owner.....	10
7.8	Previous Environmental Reports	10
8.0	REGULATORY AGENCY RECORDS REVIEW	10
8.1	Standard Environmental Record Sources	11
9.0	POTENTIAL VAPOR ENCROACHMENT CONDITION	15
9.1	Vapor Encroachment Screening	15
10.0	BUSINESS ENVIRONMENTAL RISKS.....	16
10.1	Asbestos-Containing Building Materials	16
10.2	Lead-Based Paint	17
10.3	Radon	17
10.4	Mold.....	17
11.0	DISCUSSION OF FINDINGS	18
11.1	Evaluation of Data Gaps/Data Failure	18
12.0	SUMMARY AND CONCLUSIONS	19
13.0	LIMITATIONS.....	19
14.0	QUALIFICATIONS	20
15.0	REFERENCES.....	20

TABLE OF CONTENTS (cont'd)
Job No. 5-417-1049

PHOTOGRAPHS

Following the Text of the Report

FIGURES

Topographic Map..... 1
Aerial Photograph..... 2
Site Map..... 3

APPENDICES

Title Insurance Report..... A
Phase I ESA All Appropriate Inquiry (AAI) User Questionnaire..... B
Phase I ESA All Appropriate Inquiry (AAI) Owner Questionnaire C
Aerial Photographs..... D
City Directory Image Report..... E
Sanborn Fire Insurance Maps No Coverage Certification F
Previous Environmental Report..... G
EDR Radius Map Report H
Professional Resumes I

October 24, 2018

Job No. 5-417-1049

PHASE I ENVIRONMENTAL SITE ASSESSMENT - UPDATE**PROPOSED COMMERCIAL DEVELOPMENT
EAST CORNER OF COCHRANE ROAD AND BUTTERFIELD BOULEVARD
MORGAN HILL, CALIFORNIA****1.0 EXECUTIVE SUMMARY**

SALEM Engineering Group, Inc. (SALEM) has conducted a Phase I Environmental Site Assessment (ESA) Update of the Proposed Commercial Development site located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California (subject property). The subject property comprises two contiguous rectangular-shaped parcels totaling approximately 20.43 acres (Santa Clara County Assessor's Parcel Numbers [APNs] 726-25-035 and 726-32-021).

SALEM conducted this Phase I ESA of the subject property in conformance with the American Society for Testing and Materials (ASTM) E1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The U.S. Environmental Protection Agency (USEPA) has determined that the ASTM E1527-13 Standard is consistent with the requirements for conducting an "All Appropriate Inquiry" under 40 C.F.R. Part 312. Thus, this Phase I ESA constitutes All Appropriate Inquiry (AAI) designed to identify Recognized Environmental Conditions (RECs) in connection with the previous ownership and uses of the subject property as defined by ASTM E1527-13 and 40 C.F.R. Part 312.

ASTM E1527-13 Section 1.1.1 *Recognized Environmental Conditions* – The term *recognized environmental conditions* is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term as further defined by ASTM "is not intended to include de minimis conditions that generally do 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." Conditions determined to be *de minimis* are not *recognized environmental conditions*.

SALEM identified no evidence of a REC in connection with the subject property as defined by ASTM E1527-13.

2.0 PURPOSE AND SCOPE OF ASSESSMENT**2.1 Purpose**

According to ASTM E1527-13, the purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and *petroleum products*. As such, this practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitation on

CERCLA liability (hereinafter, the “*landowner liability protections*,” or “*LLPs*”): that is, the practice that constitutes “*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice” as defined at 42 U.S.C. §9601(35) (B).

The Phase I ESA was conducted to identify ‘Recognized Environmental Conditions’ (RECs), ‘Controlled Recognized Environmental Conditions’ (CRECs) and ‘Historical RECs’ (HRECs) as defined by the American Society for Testing and Materials (ASTM) *Designation E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Section 1.1.1 of the ASTM *Designation E1527-13* defines an REC as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.” The term as further defined by ASTM “is not intended to include de minimis conditions that generally do 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.” Section 3.2.18 defines a CREC as a “recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).” Section 3.2.42 defines HREC as a “past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and land use limitations, institutional controls, or engineering controls).”

2.2 Scope of Work

The objective of the SALEM Phase I ESA Update scope of work is to provide an evaluation of RECs at the subject property and potential off-site sources. The scope of work for this Phase I ESA Update conforms to ASTM E1527-13. SALEM was provided authorization to conduct the Phase I ESA by Ms. Kaytlin Stevens with Evergreen Devco, Inc. on September 8, 2018, in accordance SALEM’s proposal P5-418-0709. In fulfillment of the SALEM scope of work for this Phase I ESA Update, SALEM was retained to perform the following tasks:

- Acquire readily available information regarding land-use history and property development by reviewing historical aerial photographs, pertinent building permit records, historic city directories, as well as reviewing recent and historic topographic land-use maps of the subject property and surrounding area.
- Reviewing readily available local, state and federal regulatory agency databases listed in ASTM E1527-13 and compiled by Environmental Data Resources, Inc. (EDR), including but not limited to CERCLA and NPL lists for sites within one mile of the subject property. State databases, including but not limited to CALSITES, Hazardous Substance Account Act, Cortese, SWIS, SWAT, Well Investigation Program (AB1803), and LUFT, were reviewed for sites within one mile of the subject property.
- Performing a reconnaissance of the subject property and surrounding areas (up to one-half mile beyond site boundary), with regard to potential off-site sources of degradation to the subject property, which included photograph documentation of subject property conditions, and identification of potential environmental concerns.

-
- Interviews with persons knowledgeable of the previous and current ownership and uses of the subject property.
 - Identifying aboveground storage tanks and/or indications of underground storage tanks on-site.
 - In addition to ASTM E1527-13, SALEM recognizes ASTM *Standard Guide for Vapor Encroachment Screening (VES) on Property Involved in Real Estate Transactions* (ASTM E2600-15) as an industry-accepted guideline to determine if a Vapor Encroachment Condition (VEC) exists at the target property. A VES consists of reviewing the Phase I ESA data combined with the application of professional judgment. SALEM evaluates the regulatory agency databases to determine if there are known or suspect contaminated sites within a minimum search distance of the target property. In addition, SALEM attempted to determine whether soil and/or groundwater have been impacted within the critical distances outlined in ASTM E2600-15.
 - Preparing this report of SALEM's findings and recommendations if warranted.

3.0 SITE DESCRIPTION

The subject property comprises two contiguous rectangular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. At the time of SALEM's September 28, 2018 site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property. The subject property is located within Section 16, Township 9 South, Range 3 East, Mount Diablo Base and Meridian, Morgan Hill, California, 7.5-minute United States Geological Survey (USGS) topographic map, dated 2012.

4.0 PHYSIOGRAPHY AND HYDROGEOLOGIC CONDITIONS

The subject property is located in the Coast Range Geolomorphic Province. The Coast Range Geolomorphic Province borders the coast of California and generally consists of northwesterly /southeasterly trending ridges of granitic, metavolcanic, and metasedimentary rocks. Numerous northwest to southeast trending faults parallel the trend of the Coast Ranges. The Coast Ranges generally consist of an alternating series of parallel mountains and valleys located adjacent to the Pacific Coast. San Francisco Bay is a broad shallow depression within the Coast Ranges that has been subsequently filled with sedimentary deposits. The bedrock units that form the range have been disrupted by intense folding, faulting, and crushing that occurred when the range was formed by the processes of plate tectonics. During the Jurassic and Cretaceous Periods (about 150 to 80 million years ago), the Pacific Oceanic Plate, which was progressively moving towards the east, collided with the North American Continental Plate, which was moving toward the west. This collision caused the less rigid Pacific Oceanic Plate to be subducted beneath the North American Continental Plate. The colliding motion of the two plates caused portions of the Pacific Oceanic Crust and overlying marine sediments to be piled onto the North American Continental Plate along the West Coast of California. The resulting chaotic jumble of bedrock units scraped off onto the North American Plate, is known as the "Franciscan Assemblage" and comprises a large portion of the Coast Range Province. Subsequent development of a series of northwest-trending fault zones has further contributed to the deformation of the Coast Range. The near-surface deposits in the vicinity of the subject site are indicated to be comprised of recent colluvium consisting of unconsolidated sands, silt, and clays derived from erosion of local mountain ranges. The colluvium is underlain by a lower Eocene, marine claystone/sandstone identified as the Maganos Formation. This formation trends northwest to southeast with a dip of 67 to 70 degrees southwest.

According to California Regional Water Quality Control Board (RWQCB) records for the Harbor Street Widening Project leaking underground storage tank (LUST) site at Cochrane Plaza Chevrolet, located approximately 4,550 feet northwest of the subject property, groundwater is reported to be first encountered at a depth of between approximately 40 to 50 feet below ground surface (bgs). Based upon SALEM's topographic map interpretation, the general direction of groundwater flow in the vicinity of the subject property is toward the west-southwest. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

5.0 SITE RECONNAISSANCE

A site reconnaissance, which included a visual observation of the subject property and properties within the subject area, was conducted by SALEM's environmental assessor on September 28, 2018. The objective of the site reconnaissance is to identify RECs, including the storage and handling of hazardous substances and petroleum products on or in the vicinity of the subject property which have the potential to environmentally impact on-site soils, surface water and groundwater.

5.1 Observations

Table I summarizes the visual observations made during our site reconnaissance. A discussion of the physical observations follows Table I. Refer to the Site Map (Figure 1) and color photographs following the text for the locations of the features discussed in this section of the report.

TABLE I
Summary of Observations during Site Reconnaissance

FEATURE	OBSERVED	NOT OBSERVED
Structures (existing)		X
Evidence of past uses	X	
Hazardous substances and/or petroleum products (including containers)		X
Aboveground storage tanks (ASTs)		X
Underground storage tanks (USTs) or evidence of USTs		X
Strong, pungent, or noxious odors		X
Pools of liquid likely to be hazardous substances or petroleum products		X
Drums		X
Unidentified substance containers		X
Pad-mounted/Pole-mounted transformers/capacitors/other PCB-containing equipment	X	
Subsurface hydraulic equipment		X
Heating/ventilation/air conditioning (HVAC)		X
Stains or corrosion on floors, walls, or ceilings		X
Floor drains and sumps		X
Pits, ponds, or lagoons		X
Stained soil and/or pavement		X
Stressed vegetation		X
Waste or wastewater discharges to surface or surface waters on subject property (including stormwater)		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring wells)		X
Septic Systems		X

The subject property comprises two contiguous rectangular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. At the time of SALEM's site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property.

- At the time of the site reconnaissance, what appeared to be an asphalt-paved area (107' x 40') was observed near the northwestern boundary of the subject property. No evidence of staining or spills was observed on the asphalt-paved area during the site reconnaissance. Additionally, what appeared to be a water "pump station" was observed adjacent to the western boundary of the subject property. The address of the "pump station" was identified as 350 Cochrane Road. No evidence of hazardous substances or petroleum products, spills or releases were observed in the vicinity of the "pump station" at the time of the site reconnaissance.
- During the visual observations of the subject property, no hazardous substances or petroleum products were observed to be stored or handled on the subject property. Exposed surface soils did not exhibit obvious signs of discoloration. No other obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the area observed. No standing water or major depressions were observed on the subject property. No indications of former structures, such as foundations, were observed on the subject property.
- A pad-mounted electrical transformer was observed on the southeastern boundary of the subject property. The transformer casing displayed no visual evidence of leakage and the ground surface below the transformer displayed no evidence of discoloration. Based on the absence of staining or fluids adjacent to the transformer at the time of SALEM's site reconnaissance, the transformer is not currently anticipated to pose an adverse impact to the subject property and therefore does not present an REC to the subject property.

5.2 Adjacent Streets and Property Usage

Table II summarizes the adjacent streets and properties uses observed during the SALEM's site reconnaissance.

TABLE II
Adjacent Streets and Property Use

DIRECTION	ADJACENT STREET	ADJACENT PROPERTY USE
Northeast	None	Forbes Grill (18599 Sutter Boulevard); Office Building (18525 Sutter Boulevard)
Southeast	Jarvis Drive	Anritsu (490 Jarvis Drive); Multi-tenant Office (450 Jarvis Drive); Andpak, Inc. (400 Jarvis Drive); Tencate Advanced Composite (18410 Butterfield Boulevard)
Southwest	Butterfield Boulevard	Cochrane Village Apartments (18555 Butterfield Boulevard), Single-Family Residential
Northwest	Cochrane Road	Heritage Bank of Commerce (18625 Sutter Boulevard); Guild Mortgage Company (350 Woodview Avenue); Multi-Tenant Commercial (355 Woodview Ave.); Cochrane Animal Hospital (18650 Adams Court)

Based on the observed uses of the properties located immediately adjacent to the subject property, it is unlikely that significant quantities of hazardous substances or petroleum products are stored or handled at the adjacent properties.

5.3 Potable Water Source

SALEM's research indicates that no potable water has been historically supplied to the subject property. Upon development the water purveyor for the subject property will be the City of Morgan Hill Utility Services (MHUS). The MHUS's water quality monitoring is an on-going program with water samples obtained on a regular basis. It is the responsibility of the MHUS to provide customers with potable water in compliance with the California State Maximum Contaminant Levels (MCLs) for primary drinking water constituents in water supplied to the public. Water sampling was not conducted to verify water quality.

5.4 Sewage Disposal System

On October 3, 2018, the MHUS was contacted regarding sewer service for the subject property. According to MHUS records, sewer service has not been provided to the subject property. No sewer violations, records of septic systems, or oil/water separators are on file for the subject property.

5.5 Heating and Cooling Source

No documentation of fuel oil use was identified during review of reasonably ascertainable records and no visual evidence of fuel oil use was identified during the site reconnaissance. Therefore, it is unlikely for former fuel oil USTs to have been used at the subject property and for a release to have occurred.

6.0 USER-PROVIDED INFORMATION

A review of the user-provided Title report and a Phase I ESA User Questionnaire was conducted in order to help identify pertinent information regarding potential environmental impacts associated with the subject property.

6.1 Title Report

A Commitment for Title Insurance Report for the subject property by First American Title Insurance Company dated August 16, 2018 was provided to SALEM by Ms. Kaytlin Stevens with Evergreen Devco, Inc. The Commitment for Title Insurance Report was reviewed to identify potential deed restrictions, environmental liens or activity and use limitations (AULs) which may have occurred on or exist in connection with the subject property as indicated by the Commitment for Title Insurance Report. SALEM's review of the Commitment for Title Insurance Report indicated no deed restrictions, environmental liens or AULs for the subject property. Refer to Appendix A for a copy of the Commitment for Title Insurance Report.

6.2 Phase I Environmental Site Assessment User Questionnaire

On September 29, 2017, SALEM was provided with a completed Phase I ESA User Questionnaire from Mr. Cameron Miller with Evergreen Devco, Inc. On October 3, 2018 Ms. Kaytlin Stevens with Evergreen Devco, Inc. indicated that there were no changes or adjustments to be made to the original 2017 Phase I ESA User Questionnaire. Please refer to Appendix B for a copy of the completed Phase I ESA User Questionnaire.

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete. The user is asked to provide information or knowledge of the following:

- Environmental cleanup liens that are filed or recorded against the site.
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the LLPs.
- Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
- Commonly known or *reasonably ascertainable* information about the *property*.
- 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.

According to Mr. Miller, to the best of his knowledge as the user of this Phase I ESA, no environmental cleanup liens and no activity or land use limitations have been filed or recorded against the subject property. Mr. Miller has no specialized knowledge or experience of the prior nature of the business or chemical utilization on the subject property. Mr. Miller indicated that he did not have knowledge of the past or current presence of specific chemicals or hazardous substances or petroleum, products, unauthorized spills or chemical releases or of any environmental cleanup liens in connection with the subject property. Additionally, Mr. Miller stated that the purchase price of the subject property reasonably reflects fair market value.

7.0 SITE USAGE SURVEY

In order to assess the subject property's history, SALEM reviewed a completed Phase I ESA Owner Questionnaire, historical aerial photographs, building department records, city directories, planning department records and SFIMs.

7.1 Phase I Environmental Site Assessment Owner Questionnaire

On September 29, 2017, a Phase I ESA Owner Questionnaire was completed by Mr. David Andris with Southbay Development Company, the current owner of the subject property. In a phone conversation on October 3, 2018 Mr. Andris indicated that there have been no changes to the subject property in the last year and the September 29, 2017 questionnaire responses are still accurate. The Phase I ESA Owner Questionnaire is designed to provide pertinent information regarding potential environmental and historical impacts associated with the subject property. Mr. Andris reported that he has been familiar with the subject property for the past 10 years and that it has been undeveloped land during that time.

According to Mr. Andris, to the best of his knowledge, no on-site treatment or discharge of waste; no dry wells, sumps; no use, storage or disposal of hazardous substances or petroleum products; no existing or former ASTs or USTs; no hazardous substance or petroleum product spills; no buried materials; no groundwater monitoring, domestic or irrigation wells, or any additional potential RECs are associated with the subject property. Please refer to Appendix C for a copy of the completed Phase I ESA Owner Questionnaire.

7.2 Historical Aerial Photograph Review

Historical aerial photographs of the subject property and vicinity, dated 1939, 1940, 1950, 1956, 1963, 1968, 1974, 1982, 1998, 2005, 2006, 2009, 2010 and 2012 were reviewed to evaluate changes in land-use for the subject property. The historical aerial photographs were supplied by EDR. Refer to Appendix D for a copy of the EDR-provided aerial photographs. A summary of the aerial photography is provided below:

➤ **1939 Aerial Photograph**

The subject property and adjoining properties appear to be utilized for agricultural purposes for the cultivation of row crops. No structures are located on the subject property. A paved two-lane road (Cochrane Road) is observed adjoining the subject property to the northwest, beyond which is agricultural land.

➤ **1940 Aerial Photograph**

The subject property and adjoining properties to the northeast, southeast and southwest appear to be undeveloped or range land. Cochrane Road is observed adjoining the subject property to the northwest, beyond which is agricultural land.

-
- **1950 Aerial Photograph**
The conditions on the subject property and adjoining properties appear to be similar to the 1940 aerial photograph.
 - **1956 Aerial Photograph**
The subject property and adjoining properties appear to be utilized for agricultural purposes for the cultivation of with row crops. No structures are located on the subject property.
 - **1963 Aerial Photograph**
The conditions on the subject property and adjoining properties appear to be similar to the 1956 aerial photograph, with the exception of what appears to be a dirt road transecting the central portion of the subject property from northwest to southeast.
 - **1968 Aerial Photograph**
The conditions on the subject property and adjoining properties appear to be similar to the 1963 aerial photograph.
 - **1974 Aerial Photograph**
The conditions on the subject property and adjoining properties appear to be similar to the 1968 aerial photograph.
 - **1982 Aerial Photograph**
The subject property appears to be undeveloped land graded land, with the exception of the northern portion which appears to be occupied by equipment associated with construction activities and a cul-de-sac (Jarvis Drive) located on the southern portion of the subject property. Undeveloped land adjoins the northeast of the subject property, beyond which is a paved four-lane road (Sutter Boulevard). A portion of Jarvis Avenue and undeveloped land adjoins the subject property to the southeast. Undeveloped land adjoins the southwest of the subject property. Cochrane Road appears to have been widened into a paved four-lane road to the northwest, beyond which is commercial development.
 - **1998 Aerial Photograph**
The subject property appears as undeveloped graded land. No structures are observed on the subject property. However, there are several dirt paths located on the subject property. Commercial development and undeveloped land adjoin the subject property to the northeast, beyond which is Sutter Boulevard and additional commercial development. Jarvis Drive adjoins the subject property to the southeast, beyond which is commercial and undeveloped land. A dirt road (Butterfield Boulevard) adjoins the subject property to the southwest, beyond which is an apartment complex and undeveloped land. Cochrane Road adjoins the subject property to the northwest, beyond which is commercial and undeveloped land.
 - **2005 Aerial Photograph**
The conditions on the subject property and adjoining properties to the are similar to the 1998 aerial photograph, with the exception of an increase in commercial development on the adjoining properties to the northeast, southeast and northwest.
 - **2006 Aerial Photograph**
The conditions on the subject property and adjoining properties are similar to the 2005 aerial photograph.
-

➤ **2009 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2006 aerial photograph, with the exception of the expansion of the apartment complex to the southwest of the subject property.

➤ **2010 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2009 aerial photograph.

➤ **2012 Aerial Photograph**

The conditions on the subject property and adjoining properties are similar to the 2010 aerial photograph.

7.3 Building Department Records Review

On September 28, 2018 a records request was made to the City of Morgan Hill Community Development Department (MHCDD) for the subject property APNs 726-25-035 and 726-32-021. According to a representative of the MHCDD, no records or building permits were on file for the subject property. On October 5, 2018 MHCDD indicated that no permits have been issued for the subject property in the last year. Therefore, no building permits for items of environmental significance such as USTs, septic systems, building demolition, or previous structures are on file for the subject property.

7.4 City Directories

SALEM contracted with EDR to provide a City Directory Image Report dated 1975 through 2013 for the subject property and vicinity. The subject property was not listed in the EDR-provided City Directory Image Report. Please refer to Appendix E for a copy of the EDR-provided City Directory Image Report.

7.5 Sanborn Fire Insurance Maps

SALEM reviews SFIMs to evaluate prior land use at the subject property and adjacent properties. SFIMs typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the property. SALEM contracted with EDR to provide a Fire Insurance Map Abstract indicating the availability of historic SFIMs for the subject property and adjacent properties as far back as 1867. EDR's search of collections at the Library of Congress, University Publications of America, and various public and local sources revealed no coverage for the subject property and adjacent properties. Refer to Appendix F for a copy of the EDR SFIM No Coverage Certification.

7.6 Agricultural Chemicals

Review of historical aerial photographs reveals that the subject property was utilized for agricultural purposes for the cultivation of row crops as early as 1939. By 1940, the subject property was vacant or rangeland. By 1956, the subject property was utilized for agricultural purposes for the cultivation of row crops until at least 1974. The subject property appears to have been graded sometime prior to 1982 in preparation for future development. No structures have historically been located on the subject property. Based upon the length of time since the subject property was last used for agricultural purposes, as well as the grading activities conducted on the subject property in preparation for development prior to 1982 which likely disturbed and mixed shallow on-site soils, it is not anticipated that elevated concentrations of environmentally persistent pesticides would be found in the near-surface soils of the subject property. Generally, SALEM's sampling and analysis of surface soils from properties with similar histories has typically yielded non-detectable concentrations of environmentally persistent pesticides. The potential for elevated concentrations of environmentally persistent pesticides to exist in the near-surface soils of the subject property, which would require regulatory action, is low. Therefore, the historical agricultural use of the subject property does not present an REC to the subject property.

7.7 Phase I Environmental Site Assessment Interview - Previous Owner

SALEM attempted to interview the previous owner of the subject property to provide pertinent information regarding potential environmental and historical impacts associated with the subject property. According to Mr. Andris, the current owner of the subject property, information for the previous owner was not available, therefore a Phase I ESA interview with the previous owner of the subject property was not reasonable ascertainable.

7.8 Previous Environmental Reports

According to SALEM's previous environmental report titled, *Phase I Environmental Site Assessment, Proposed Commercial Development, East Corner of Cochrane Road and Butterfield Boulevard, Morgan Hill, California*, dated November 16, 2017, the approximately 20.43-acre subject property (Santa Clara County APNs 726-25-035 and 726-32-021) was vacant at the time of SALEM's September 26, 2017 site reconnaissance. SALEM's review of historical aerial photographs, historical topographic maps and MHCDD records indicated that the subject property was historically agricultural land from at least 1939 through 1974 with a few periods of being fallow during that time. The subject property was reported as having been vacant since at least 1982. SALEM identified no RECs in connection with the subject property and concluded that no additional investigation was warranted. Please refer to Appendix G for a copy of the previous environmental report.

8.0 REGULATORY AGENCY RECORDS REVIEW

SALEM conducted a review of regulatory agency records for the purpose of determining if hazardous substances or petroleum products have been stored or handled on the subject property and area properties that would present a REC to the subject property. The most current records available were reviewed.

California Environmental Protection Agency, Department of Toxic Substances Control

SALEM's September 28, 2018 review of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Envirostor California cleanup sites database available via the DTSC Internet Website which tracks federal superfund sites, state response sites, voluntary cleanup sites, and school cleanup sites, indicated that no records of cleanup sites are on file with the DTSC for the subject property or adjacent properties.

California Regional Water Quality Control Board

SALEM's September 28, 2018 review of the RWQCB GeoTracker leaking underground fuel tank (LUFT) database available via the RWQCB Internet Website indicated no records of LUFTs are on file with the RWQCB for the subject property or adjoining properties.

California Division of Oil, Gas, and Geothermal Resources

SALEM reviewed the California Division of Oil, Gas, and Geothermal Resources (DOGGR) website (<http://maps.conservation.ca.gov/doms/index.html>) to evaluate the potential for existing/former oil, gas, or geothermal wells on the subject property or adjoining properties. The subject property is located within DOGGR Coastal District. The subject property vicinity is not located within an oil, gas, or geothermal field. The review of DOGGR information does not indicate that an oil, gas, or geothermal well has been drilled on the subject or adjacent properties.

Santa Clara County Environmental Health Department

On October 3, 2018, the Santa Clara County Environmental Health Department (SCCEHD) was contacted regarding records of USTs, historical hazardous/flammable permits, hazardous substances or petroleum products handling, and unauthorized releases of hazardous substances or petroleum products for the subject

property APNs 726-25-035 and 726-32-021. According to a representative with the SCCEHD, no records of registered USTs, historical hazardous substances or petroleum products/flammable permits, or unauthorized releases of hazardous substances/petroleum products are on file for the subject property.

City of Morgan Hill Building and Fire Prevention Division

On October 3, 2018 the City of Morgan Hill Building and Fire Prevention Division, Underground Storage Tanks and Hazardous Materials Department (MHBFPD) was contacted regarding records of historical hazardous/flammable permits, hazardous materials handling, hazardous/flammable incidents, and/or USTs for the subject property APNs 726-25-035 and 726-32-021. According to a representative of the MHBFPD, no records of historical hazardous/flammable permits, hazardous materials handling, registered USTs or unauthorized releases of hazardous substances or petroleum products are on file for the subject property.

Local Area Tribal Records

According to the EDR Radius Map Report, no tribal records are listed for the subject property or the adjacent properties.

8.1 Standard Environmental Record Sources

EDR performed a search of Federal, State and local regulatory agency databases for the subject property and surrounding area. The various search distances as required by ASTM E1527-13 extended up to one mile from the subject property. Several agencies have published documents that list businesses or properties which have handled hazardous substances, petroleum products or hazardous waste, or may have had a documented release of hazardous substances or petroleum products. The databases consulted in the course of this assessment were compiled by EDR on September 13, 2018 and represent reasonably ascertainable current listings. SALEM did not verify the locations and distances of every site listed by EDR. SALEM verified locations and distances of the sites SALEM deemed as having a potential to environmentally impact the subject property. The actual location of the off-site properties identified may differ from the EDR listing. Table III summarizes the listed properties located within the specified ASTM Search Radii. The EDR Radius Map report is included in Appendix H.

TABLE III
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
STANDARD ENVIRONMENTAL RECORDS						
<i>Federal NPL Site List</i>						
NPL	National Priorities List	0	0	0	0	0
Proposed NPL	Proposed National Priorities List	0	0	0	0	0
NPL LIENS	Federal Superfund Liens	0	0	---	---	---
<i>Federal Delisted NPL Site List</i>						
Delisted NPL	National Priority List Deletions	0	0	0	0	0
<i>Federal CERCLIS List</i>						
SEMS	Superfund Enterprise Management System	0	0	0	0	---
Federal Facility	Federal Facility	0	0	0	0	---
<i>Federal CERCLIS NFRAP Site List</i>						
SEMS-ARCHIVE	Superfund Enterprise Management System Archive	0	0	0	0	---
<i>Federal RCRA CORRACTS Facilities List</i>						
CORRACTS	Corrective Action Report	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD Facilities List</i>						
RCRA-TSDF	Transporters, Storage, and Disposal	0	0	0	0	---
<i>Federal RCRA Generators List</i>						
RCRA – LQG	RCRA – Large Quantity Generators	0	2	2	---	---
RCRA – SQG	RCRA – Small Quantity Generators	0	2	3	---	---

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
RCRA – CESQG	Conditionally Exempt SQG	0	0	0	---	---
<i>Federal Institutional Controls/Engineering Controls Registries</i>						
US ENG CONTROLS	Engineering Controls Sites List	0	0	0	0	---
US INST CONTROL	Sites with Institutional Controls	0	0	0	0	---
LUCIS	Land Use Institutional Control Sites	0	0	0	0	---
<i>Federal ERNS List</i>						
ERNS	Emergency Response Notification System	0	0	---	---	---
<i>State and Tribal Equivalent NPL</i>						
RESPONSE	State Response Sites	0	0	0	0	0
<i>State and Tribal Equivalent CERCLIS</i>						
ENVIROSTOR	Envirostor Database	0	3	0	0	1
<i>State and Tribal Landfill and/or Solid Waste Disposal Site List</i>						
SWF/LF	Solid Waste Information System	0	0	0	0	---
<i>State and Tribal Leaking Storage Tank Lists</i>						
LUST	Leaking Underground Storage Tanks	0	0	0	0	---
CPS-SLIC	Statewide SLIC Cases	0	2	0	0	---
INDIAN LUST	LUST on Indian Land	0	0	0	0	---
<i>State and Tribal Registered Storage Tank Lists</i>						
UST	Active UST Facilities	0	0	1	---	---
AST	Aboveground Storage Tank Facilities	0	1	2	---	---
INDIAN UST	USTs on Indian Land	0	0	0	---	---
FEMA UST	USTs	0	0	0	---	---
<i>State and Tribal Voluntary Cleanup Sites</i>						
INDIAN VCP	Voluntary Cleanup on Indian Land	0	0	0	0	---
VCP	Voluntary Cleanup Program Properties	0	0	0	0	---
ADDITIONAL ENVIRONMENTAL RECORDS						
<i>Local Brownfield Lists</i>						
US BROWNFIELDS	Brownfield Sites	0	0	0	0	---
<i>Local Lists of Landfill/Solid Waste Disposal Sites</i>						
ODI	Open Dump Inventory	0	0	0	0	---
DEBRIS REGION 9	Illegal Dump Site Locations	0	0	0	0	---
SWRCY	Recycler Database	0	0	0	0	---
HAULERS	Registered Waste Tire Haulers Lists	0	0	---	---	---
INDIAN ODI	Report on Open Dumps on Indian Land	0	0	0	0	---
WMUDS/SWAT	Waste Management Unit Database	0	0	0	0	---
<i>Local Lists of Hazardous Waste/Contaminated Sites</i>						
US CDL	Clandestine Drug Labs	0	0	---	---	---
HIST Cal-Sites	Cal sites Database	0	0	0	0	0
SCH	School Property Evaluation Program	0	0	0	---	---
Toxic Pits	Toxic Pits Cleanup Act Sites	0	0	0	0	0
CDL	Clandestine Drug Labs	0	0	---	---	---
US HIST CDL	Historic Clandestine Drug Labs	0	0	---	---	---
CERS HAZ WASTE	CA Hazardous Waste Database	0	7	14	---	---
<i>Local Lists of Registered Storage Tanks</i>						
CA FID UST	Facility Inventory Database	0	0	0	---	---
HIST UST	Historical UST	0	0	0	---	---
SWEEPS UST	SWEEPS UST Lists	0	0	0	---	---
CERS TANKS	CA Registered Tanks Database	0	1	2	---	---
<i>Local Land Records</i>						
LIENS 2	CERCLA Lien Information	0	0	---	---	---
LIENS	Environmental Liens Listing	0	0	---	---	---
DEED	Deed Restriction Listing	0	1	0	0	---

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
Records of Emergency Release Reports						
HMIRS	Hazardous Materials Information System	0	0	---	---	---
CHMIRS	CA Hazardous Material Information System	0	0	---	---	---
LDS	Land Disposal Sites Listing	0	0	---	---	---
MCS	Military Cleanup Sites Listing	0	0	---	---	---
SPILLS 90	List of Industrial Site Cleanups	0	0	---	---	---
Other Ascertainable Records						
RCRA Non-Gen	Non-Generators	0	0	0	---	---
DOT OPS	Incident and Accident Data	0	0	---	---	---
DOD	Department of Defense Sites	0	0	0	0	0
FUDS	Formerly Used Defense Sites	0	0	0	0	0
CONSENT	Superfund Consent Decrees	0	0	0	0	0
ROD	Records of Decision	0	0	0	0	0
UMTRA	Uranium Mill Tailings Sites	0	0	0	0	---
US MINES	Mines Master Index File	0	0	0	---	---
TRIS	Toxic Chemical Release Inventory System	0	0	---	---	---
TSCA	Toxic Substances Control Act	0	0	---	---	---
FTTS	FIFRA/TSCA Tracking System	0	0	---	---	---
HIST FTTS	FIFRA/TSCA Tracking System	0	0	---	---	---
SSTS	Section 7 Tracking Systems	0	0	---	---	---
ICIS	Integrated Compliance Information System	0	0	---	---	---
PADS	PCB Activity Database System	0	0	---	---	---
MLTS	Material Licensing Tracking System	0	0	---	---	---
RADINFO	Radiation Information Database	0	0	---	---	---
FINDS	Facility Index System	0	0	---	---	---
RAATS	RCRA Administrative Action Tracking	0	0	---	---	---
RMP	Risk Management Plans	0	0	---	---	---
CA BOND EXP. PLAN	Bond Expenditure Plan	0	0	0	0	0
UIC	UIC Listing	0	0	---	---	---
NPDES	National Pollutants Discharge Elimination	0	0	---	---	---
Cortese	Cortese Hazardous Waste & Substance Sites	0	0	0	0	---
HIST CORTESE	Historical Cortese sites.	0	2	0	0	---
CUPA Listings	CUPA Listing	0	18	26	---	---
Notify 65	Proposition 65 Records	0	0	0	0	0
San Jose HAZMAT	Hazardous Material Facilities	0	0	0	---	---
DRYCLEANERS	Cleaner Facilities	0	0	0	---	---
WIP	Well Investigation Program Case List	0	0	0	---	---
ENF	Enforcement Action Listing	0	0	---	---	---
HAZNET	Facility and Manifest Data	0	0	---	---	---
EMI	Emissions Inventory Data	0	0	---	---	---
INDIAN RESERV	Indian Reservations	0	0	0	0	0
SCRD DRYCLEANER	State Coalition for Remediation of Cleaners	0	0	0	0	---
WDS	Waste Discharge System	0	0	---	---	---
FINANCIAL ASSURANCE	Financial Assurance	0	0	---	---	---
PROC	Certified Processors Database	0	0	0	0	---
HWT	Registered Hazardous Waste Transporter	0	0	0	---	---
HWP	Envirostor Permitted Facilities Listing	0	0	1	0	0
MWMP	Medical Waste Management Program	0	0	0	---	---
LEAD SMELTERS	Lead smelters	0	0	---	---	---
US AIRS	Coal Combustion Residues Surface List	0	0	---	---	---
COAL ASH EPA	Coal Combustion Residues Surface List	0	0	0	0	---

TABLE III (cont'd)
EDR Radius Map Summary

DATABASE	TYPE OF RECORDS	SUBJECT PROPERTY	<1/8 MILE	1/8 - 1/4 MILE	1/4 - 1/2 MILE	1/2 - 1 MILE
EPA WATCH LIST	EPA watch List	0	0	---	---	---
US FIN ASSUR	Financial Assurance	0	0	---	---	---
PCB TRANSFORMER	PCB Transformer	0	0	---	---	---
2020 COR ACTION	2020 corrective action	0	0	0	---	---
PRP	Potential Responsible Party	0	0	---	---	---
COAL ASH DOE	Steam-Electric Plan Operation Data	0	0	---	---	---
PEST LIC	Pesticide Regulation Licenses Listing	0	0	---	---	---
PROC	Certified Processors Database	0	0	0	0	---
WASTEWATER PITS	Oil Wastewater Pits Listing	0	0	0	0	---
ECHO	Enforcement & Compliance History Information	0	0	---	---	---
FUELS PROGRAM	EPA Fuels Program Registered Listings	0	0	0	---	---
EDR HIGH RISK HISTORICAL RECORDS						
EDR Exclusive Records						
Manufactured Gas Plants	Manufactured Gas Plants	0	0	0	0	0
EDR Historical Auto Stations	EDR Historical Auto Stations	0	0	---	---	---
EDR Historical Cleaners	EDR Historical Cleaners	0	0	---	---	---
EDR RECOVERED GOVERNMENT ARCHIVES						
Exclusive recovered Government Archives						
RGA LF	Recovered Government Archive Solid Waste Facilities List	0	0	---	---	---
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank	0	0	---	---	---

0 = No sites in radius identified

--- = Not Searched

The subject property was not identified in the EDR-provided government database report. Two reported releases of hazardous substances or petroleum products to the subsurface were identified within a one-eighth-mile radius of the subject property. This was actually a redundant listing on the database:

- The Madrone Land Corporation site is identified located adjacent to the subject property. However, this site was not identified in the vicinity of the subject property during SALEM's site reconnaissance. The Madrone Land Corporation site is actually located approximately 1.11 miles north of the subject property. This site was identified in the EDR-provided Radius Map Report on the SLIC database. No information pertaining to the unauthorized release was available for this facility. It appears that this site has been incorrectly plotted on the Radius Map. Therefore, the Madrone Land Corporation site does not present an REC to the subject property.

In general, only potentially hazardous substances or petroleum products released from facilities located approximately up-gradient and within a few hundred feet of the site, or in a cross-gradient direction close to the site, are judged to have a reasonable potential of migrating to the site. This opinion is based on the assumption that materials generally do not migrate large distances laterally within the soil, but rather tend to migrate with groundwater in the general direction of groundwater flow.

No engineering control sites, sites with institutional controls, or sites with deed restrictions were listed for the subject property, adjacent sites or vicinity properties in the EDR-provided government database report.

One orphan site was identified in the EDR-provided government database report. Based upon SALEM's visual observations made during our site reconnaissance, as well as various influencing factors including approximate distance from the subject property, the orphan sites are deemed to have a low potential to environmentally impact the subject property.

No Indian reservations or LUSTs on Indian land were reported on the subject property, adjacent sites or vicinity properties in the EDR-provided government database report.

The remaining properties identified by EDR within the specified search radius of the subject property, which appeared on local, state, or federally published lists of sites that have had releases of hazardous substances or petroleum products, were determined through SALEM's field observations to be of sufficient distance and/or situated hydraulically cross/down-gradient of the subject property, such that impacts to the subject property are not likely.

9.0 POTENTIAL VAPOR ENCROACHMENT CONDITION

Vapor intrusion is a way by which chemicals in soil and groundwater can migrate into indoor air. Chemical vapors moving up through soil and into a building are a potential source of indoor air contamination and may pose a risk to human health. In evaluating the potential for a vapor encroachment condition (VEC) on the subject property, SALEM attempted to determine if there was information indicating that chemicals of concern were located within the "critical distance", defined as the lineal distance between the nearest edge of a contaminated plume and the nearest target property boundary. Based on ASTM E 2600-15 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, the "critical distance" is equal to 100 feet, with the exception of dissolved petroleum hydrocarbons, which have a "critical distance" of 30 feet. If non-aqueous phase petroleum hydrocarbons are present, the 100-foot "critical distance" is utilized.

9.1 Vapor Encroachment Screening

SALEM has performed a Vapor Encroachment Screening (Tier 1) in general accordance with the scope and limitations of ASTM Standard Practice E2600-15 for the subject property. The purpose of this Vapor Encroachment Screening (Tier 1) is to identify the existing or potential Vapor Encroachment Conditions (VEC), as defined by ASTM E2600-15, affecting the subject property. As part of the screening, SALEM has completed the following questionnaire, as duplicated from Section X3 of ASTM E2600-15.

TABLE IV
Vapor Encroachment Questionnaire

QUESTION	RESPONSE	COMMENTS
1. Property Type?	Undeveloped	
2. Are there buildings/structures on the subject property?	No	
3. Will buildings/structures be constructed on the subject property in the future?	Yes	
4. If buildings exist or are proposed, do/will they have elevators?	No	
5. Type of level below grade (existing or proposed)?	Slab-on-Grade (proposed)	
6. Is there ventilation below grade?	N/A	
7. Sump pumps, floor drains, or trenches (existing or proposed)?	No	
8. Radon or methane mitigation system installed?	N/A	
9. Heating system type (existing or proposed)?	HVAC (proposed)	
10. Type of fuel energy (existing or proposed)?	Natural Gas (proposed)	
11. Have there ever been any environmental problems at the subject property?	No	
12. Does/will a gas station operate anywhere on the subject property?	No	
13. Do any tenants use hazardous chemicals in relatively large quantities on the subject property?	No	

TABLE IV (cont'd)
Vapor Encroachment Questionnaire

QUESTION	RESPONSE	COMMENTS
14. Have any tenants ever complained about odors in the building or experience health-related problems that may have been associated with the building?	N/A	
15. Are the operations (or proposed operations to be performed) on the subject property OSHA regulated?	No	
16. Are there any existing or proposed under-ground storage tanks (USTs) or above-ground storage tanks (ASTs) located on the subject property?	No	
17. Are there any sensitive receptors (children, elderly, people in poor health, etc.) that occupy or will occupy the subject property?	No	

TABLE V
Additional VEC Criteria

QUESTION	RESPONSE	COMMENTS
1. Is the subject property known to have current or past contamination?	No	
2. Is contamination of the subject property suspected?	No	
3. Is an <u>adjacent</u> property known to have current or past contamination which may have impacted the subject property?	No	
4. Is a <u>nearby</u> property known to have current or past contamination which may have impacted the subject property?	No	
5. Is regional groundwater contamination known to exist beneath the subject property?	No	
6. Are you aware of other conditions which may result in vapor intrusion at the subject property?	No	

Based upon the results of SALEM's Tier 1 VES, it is SALEM's opinion that a potential VEC likely "does not exist" at the subject property. As such, no further assessment is recommended.

10.0 BUSINESS ENVIRONMENTAL RISKS

10.1 Asbestos-Containing Building Materials

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. Asbestos is commonly used as an acoustic insulator, thermal insulation, fire proofing and in other building materials. Friable asbestos-containing material (ACM), when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can be crumbled, pulverized, or reduced to powder during machining, cutting, drilling, or other abrasive procedures. Friable ACM is more likely to release fibers when disturbed or damaged than non-friable ACM. Exposure to airborne friable asbestos may result in a potential health risk because persons breathing the air may breathe in asbestos fibers. Continued exposure can increase the amount of fibers that remain in the lung. Fibers embedded in lung tissue over time may cause serious lung diseases including: asbestosis, lung cancer, or mesothelioma. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

During SALEM's site reconnaissance, no structures were observed on the subject property. Therefore, ACMs are not considered an on-site environmental concern at this time.

10.2 Lead-Based Paint

Lead is a highly toxic metal that affects virtually every system of the body. While adults can suffer from excessive lead exposures, the groups most at risk are fetuses, infants and children under 6. The Consumer Product Safety Commission banned the use of lead in paint in 1978. Most manufactures, however, had ceased using lead well before this time. Paint applied after 1978 is not considered suspect LBP. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as “Title X,” to protect families from exposure to lead from paint, dust, and soil. Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on lead-based paint (LBP) and LBP hazards before the sale or lease of most housing built before 1978. Sellers, landlords, and their agents are responsible for providing this information to the buyer or renter before sale or lease.

According to Section 1017 of Title X, “LBP hazard is any condition that causes exposure to lead from lead-contaminated dust; bare, lead-contaminated soil; or LBP that is deteriorated or intact LBP present on accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects.” Therefore, under Title X intact lead-based paint on most walls and ceilings is not considered a “hazard,” although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. LBP is defined as any paint, varnish, stain, or other applied coating that has 1.0 mg/cm² (or 5,000 µg/g by weight) or more of lead.

At the time of SALEM’s site reconnaissance, no structures were observed on the subject property. Therefore, LBP is not considered an on-site environmental concern at this time.

10.3 Radon

Radon is a naturally occurring gaseous substance resulting from the radioactive decay of uranium to radium and then to radon. Uranium is a common element found in many geologic formations and substrates, particularly igneous and metamorphic rocks. Radon has a half-life of only 3.8 days and decays to its daughter elements (polonium 218, polonium 214, bismuth 214, and lead 214). It is these daughter elements that represent the health hazard commonly associated with radon. Radon gas can enter a building through cracks in the foundation and walls and become attached to dust particles and inhaled which could cause damage to human lung tissue. Radon is measured in picocuries per liter of air (pCi/L). The EPA has an established safe radon level of 4 pCi/L.

Based on the EPA Radon Zone Map of California, the subject property is located within EPA Zone 2, which has a predicted indoor radon screening between 2 pCi/L and 4 pCi/L. The EDR-provided radon data cites Santa Clara County has 100% of 1st floor spaces with <4 pCi/L. However, radon levels may vary from one area to another and the only way to accurately assess radon gas levels on the subject property is to conduct a radon gas survey, which is beyond the scope of this assessment.

10.4 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding). Mold growths often appear as discoloration, staining, or fuzzy growth on building materials or furnishings and are varied colors of white, gray, brown, black, yellow, and green. In large quantities, molds can cause allergic symptoms when inhaled or through the toxins the molds emit.

During SALEM’s site reconnaissance, no structures were observed on the subject property. Therefore, mold is not considered an on-site environmental concern at this time.

11.0 DISCUSSION OF FINDINGS

Historical Uses

The subject property comprises two contiguous rectangular-shaped parcels totaling approximately 20.43 acres (Santa Clara County APNs 726-25-035 and 726-32-021) located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California. SALEM's review of historical aerial photographs indicates that the subject property was utilized for agricultural purposes for the cultivation of row crops as early as 1939. By 1940, the subject property was vacant or rangeland. By 1956, the subject property was utilized as agricultural land for the cultivation of row crops until at least 1974. The subject property appears to have been graded sometime prior to 1982 in preparation for future development. No structures have historically been located on the subject property. Based upon the length of time since the subject property was last used for agricultural purposes, as well as the grading activities conducted on the subject property in preparation for development prior to 1982, which likely disturbed and mixed shallow on-site soils, it is not anticipated that elevated concentrations of environmentally persistent pesticides would be found in the near-surface soils of the subject property. Generally, SALEM's sampling and analysis of surface soils from properties with similar histories has typically yielded non-detectable concentrations of environmentally persistent pesticides. The potential for elevated concentrations of environmentally persistent pesticides to exist in the near-surface soils of the subject property, which would require regulatory action, is low. Therefore, the historical agricultural use of the subject property does not present an REC to the subject property.

Current Uses

At the time of SALEM's September 28, 2018 site reconnaissance, the subject property was vacant land with the exception of what appeared to be an asphalt-paved area located near the northwest boundary of the subject property. At the time of the site reconnaissance, what appeared to be an asphalt-paved area (107'x 40') was observed on the northwestern boundary of the subject property. No evidence of staining or spills were observed on the asphalt-paved area during the site reconnaissance. Additionally, what appeared to be a water "pump station" was observed adjacent to the western boundary of the subject property. The address of the "pump station" was identified as 350 Cochrane Road. No evidence of hazardous substances, petroleum products, spills or releases were observed in the vicinity of the "pump station" at the time of the site reconnaissance.

During the visual observations of the subject property, no hazardous substances or petroleum products were observed to be stored or handled on the subject property. Exposed surface soils did not exhibit obvious signs of discoloration. No other obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the area observed. No standing water or major depressions were observed on the subject property. No indications of former structures, such as foundations, were observed on the subject property. Based on SALEM's, field observations, and contacts with state and local regulatory agencies, no RECs were identified in connection with the current use of the subject property.

Adjacent Properties

Based on SALEM's field observations, review of the EDR Radius Map Report and consultation with local regulatory agencies, no RECs were identified in connection with the subject property from adjacent property uses.

11.1 Evaluation of Data Gaps/Data Failure

In accordance with ASTM E1527-13 guidance, data gaps represent a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. Data

failure represents the failure to achieve the historical research objects of this practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. The following is a summary of data gaps encountered in the process of preparing this report including an observation as the presumed significance of that data gap to the conclusions of this assessment.

- Some of the intervals between documented sources exceeded five years.

However, taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment.

12.0 SUMMARY AND CONCLUSIONS

We have performed a *Phase I Environmental Site Assessment Update* in conformance with the scope and limitations of ASTM Practice E1527-13 of the Proposed Commercial Development site located on the east corner of Cochrane Road and Butterfield Boulevard in Morgan Hill, California, the *property*. Any exceptions to, or deletions from, this practice are described in Section 13 of this *report*. During the course of this assessment, SALEM identified no evidence of a REC in connection with the subject property as defined by ASTM E1527-13.

13.0 LIMITATIONS

This Phase I ESA Report has been prepared for the exclusive use of **Evergreen, Evergreen-Butterfield & Cochrane, L.L.C, Evergreen Development Company-2018, L.L.C.** and their subsidiaries and affiliates. Unauthorized use of or reliance on the information contained in this report, unless given express written consent by SALEM, **Evergreen, Evergreen-Butterfield & Cochrane, L.L.C, Evergreen Development Company-2018, L.L.C.** is strictly prohibited. The following limitations and exceptions apply:

- The scope of work completed was designed solely to meet the needs of SALEM's client. SALEM shall not be liable for any unintended usage of this report by another party. In addition, based on the ASTM guidelines, the ESA is only valid if completed within 180 days of an acquisition or the transaction necessitating the ESA.
- No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. This ESA was designed to reduce, but not eliminate the potential for RECs at the subject property, within reasonable limits of time and cost. The ESA is not intended to be exhaustive or all-inclusive and does not represent a guarantee of the identification of all possible environmental risk.
- Information in this report is based on personal interviews, government records, published resources, and various historical documents. Accuracy and completeness of information varies among information sources and may be inaccurate or incomplete. The information utilized in this ESA is from sources deemed to be reliable; however, no representation or warranty is made as to the accuracy thereof. SALEM will have no ongoing obligation to obtain and include information that was not reasonably ascertainable, practically reviewable or provided to SALEM in a reasonable timeframe to formulate an opinion and complete the assessment by the agreed upon due date.

-
- The ESA includes some information that may be relevant to regulatory compliance, but is not intended and shall not be construed as a compliance audit and cannot be considered a verification of regulatory compliance. While the general environmental setting of the subject property is described, this assessment is not intended to be a formal flood plain or wetland determination, and no warranty is made thereof. Depending on its past, present or future intended use, the property under review may or may not be subject to regulation and permitting under environmental and health and safety laws, such as, but not limited to, the Clean Air Act, the Clean Water Act, the Solid Waste Disposal Act, the Occupational Safety and Health Act, and other federal, state and local regulations. SALEM assumes no responsibility or liability respecting regulatory permitting or compliance issues.
 - Client is advised that if the ESA is obtained with the intent of qualifying the purchaser as an innocent landowner, contiguous property owner, or bona fide prospective purchaser under CERCLA, there will be continuing obligations of due care and responsiveness and additional legal requirements that likely apply to such status. SALEM accepts and undertakes no responsibility as to such requirements and advises that counsel be separately consulted with respect to such requirements.
 - The findings and conclusions presented in this Phase I ESA Report are based on field review and observations and on data obtained from the sources listed in the report. The findings of this report are valid as of the present. The passage of time, natural processes or human intervention on the subject property or adjacent properties and changes in the regulations can cause changed conditions which can invalidate the findings and conclusions presented in this report.

14.0 QUALIFICATIONS

This Phase I ESA was conducted under the supervision or responsible charge of SALEM's undersigned environmental professional with oversight from the undersigned registered professional. The work was conducted in accordance with ASTM E1527-13, generally accepted industry standards for environmental due diligence in place at the time of the preparation of this report, and SALEM's quality-control policies. We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

15.0 REFERENCES

The following list summarizes the references utilized in preparing this report:

- Aerial photographs provided by Environmental Data Resources, Inc.
- Cal-EPA Voluntary Cleanup Program records.
- California EPA, Department of Toxic Substances Control records.
- California Department of Conservation – Division of Oil, Gas, and Geothermal Resources records.
- California Regional Water Quality Control Board records.
- California Statewide Radon Survey Screening results.
- City Directory Abstract Report compiled by EDR.
- City of Morgan Hill Municipal Community Development Department records.
- City of Morgan Hill Building and Fire Prevention Division records.
- City of Morgan Hill Utility Services Department records.

-
- Federal and State regulatory agency lists compiled by EDR.
 - Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System.
 - Sanborn Fire Insurance Maps for Morgan Hill, California (EDR).
 - Santa Clara County Assessor's Office records.
 - Santa Clara County Department of Environmental Health records.
 - The Munger Map Book, California – Alaska Oil & Gas Fields, Munger Maps – 1999.
 - U.S. EPA Federal Superfund Liens List and the U.S. EPA California Liens, 1995.
 - U.S. Geological Survey, 7.5 minute Morgan Hill, California topographic quadrangle map, dated 2012.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (408) 577-1090.

Respectfully submitted,

SALEM Engineering Group, Inc.



Shannon Lodge, PG
Senior Project Manager



Clarence Jiang, PE, GE
Project Engineer
RCE No. 50233/ RGE No. 2477



APPENDIX D

ENVIRONMENTAL DATABASE INFORMATION

RAISING CANES #991

Not Reported

MORGAN HILL, CA 95037

Inquiry Number: 7169882.2s

November 04, 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

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	424
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
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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MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
MORGAN HILL, CA 95037

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MADRONE LAND CORP./S	645 COCHRANE	ENVIROSTOR, CPS-SLIC, DEED, HIST CORTESE, CERS	Higher	312, 0.059, NNE
A2	MADRONE LAND CORPORA	645 COCHRANE ROAD	CPS-SLIC	Higher	312, 0.059, NNE
B3	BULLSEYE AUTOMOTIVE	18675 ADAMS CT UNIT	CERS HAZ WASTE, CUPA Listings, CERS	Lower	381, 0.072, NW
B4	CALIFORNIA VACUUM SY	18675 ADAMS CT UNIT	CUPA Listings, HAZNET, HWTS	Lower	381, 0.072, NW
B5	CALIFORNIA VACUUM SY	18675 ADAMS CT STE L	RCRA NonGen / NLR	Lower	381, 0.072, NW
B6	PUMPS INTERNATIONAL	18675 ADAMS CT D	CUPA Listings	Lower	381, 0.072, NW
B7	BULLSEYE AUTOMOTIVE	18675 ADAMS CT STE F	RCRA NonGen / NLR	Lower	381, 0.072, NW
B8	UC COMPONENTS INC.	18700 ADAMS	RCRA NonGen / NLR	Lower	452, 0.086, NNW
A9	TECHSMART AIR CONDIT	365 WOODVIEW AVENUE	RCRA NonGen / NLR	Higher	474, 0.090, North
10	CELLIANCE CORPORATIO	260 COCHRANE RD E	CUPA Listings	Lower	501, 0.095, WSW
A11	TOWA USA CORPORATION	350 WOODVIEW AV STE	CUPA Listings	Higher	572, 0.108, NNE
C12	K.R. ANDERSON	400 JARVIS DR 120	CUPA Listings	Higher	622, 0.118, ESE
C13	ADDEV VMS	400 JARVIS DRIVE STE	RCRA-SQG	Higher	622, 0.118, ESE
C14	ADDEV VMS, INC.	400 JARVIS DR STE 12	CERS HAZ WASTE	Higher	622, 0.118, ESE
C15	ANDPAK INC	400 JARVIS DRIVE	RCRA-LQG, US AIRS	Higher	622, 0.118, ESE
C16	ANDPAK, INC.	400 JARVIS DR	AST	Higher	622, 0.118, ESE
C17	ANDPAK INC	400 JARVIS DR	CUPA Listings, NPDES, WDS	Higher	622, 0.118, ESE
C18	ANDPAK, INC.	400 JARVIS DR	CERS HAZ WASTE, CERS TANKS, CERS	Higher	622, 0.118, ESE
19	DIE-TECH	225 COCHRANE CL # A	CUPA Listings	Lower	696, 0.132, WNW
D20	AMERICAL TOOLING, IN	385 WOODVIEW AV STE	CUPA Listings, HAZNET, HWTS	Higher	738, 0.140, North
D21	NATSTEEL ELECTRONICS	389 WOODVIEW AV	CUPA Listings	Higher	758, 0.144, North
E22	PEGA PRECISION INC.	18800 ADAMS CT	CERS HAZ WASTE, CERS	Lower	761, 0.144, NNW
E23	PEGA PRECISION INC	18800 ADAMS ST	CUPA Listings	Lower	761, 0.144, NNW
E24	PEGA PRECISION INC	18800 ADAMS CT	RCRA NonGen / NLR	Lower	761, 0.144, NNW
F25	WALMART SUPERCENTER	170 COCHRANE RD	CERS HAZ WASTE, CUPA Listings, HAZNET, CERS, HWTS	Lower	783, 0.148, WSW
D26	CELLIANCE CORP	380 WOODVIEW AV	CUPA Listings	Higher	788, 0.149, North
D27	ARAGEN BIOSCIENCE IN	380 WOODVIEW AV	CERS HAZ WASTE, CUPA Listings, CERS	Higher	788, 0.149, North
D28	ARAGEN BIOSCIENCE IN	380 WOODVIEW AVE	RCRA NonGen / NLR	Higher	788, 0.149, North
29	ANRITSU COMPANY	450 JARVIS DR	CERS HAZ WASTE, CUPA Listings, CERS	Higher	811, 0.154, East
D30	TRIAD RESOURCES	400 WOODVIEW AV	CUPA Listings	Higher	850, 0.161, North
G31	TORAY ADVANCED COMPO	18410 BUTTERFIELD BL	CERS HAZ WASTE, CUPA Listings, HAZNET, CERS	Lower	857, 0.162, SSE
G32	TENCATE ADVANCED COM	18410 BUTTERFIELD BL	CUPA Listings, EMI, CERS	Lower	857, 0.162, SSE
G33	TORAY ADVANCED COMPO	18410 BUTTERFIELD BL	RCRA-LQG, ENVIROSTOR, WDS	Lower	857, 0.162, SSE
F34	BIG 5 SPORTING GOODS	150 COCHRANE RD	CUPA Listings	Lower	980, 0.186, WSW
35	BENJAMIN S STEIN DDS	18525 SUTTER BL 190	CUPA Listings	Higher	995, 0.188, ENE
36	AM	18855 ADAMS CT	RCRA-SQG, FINDS	Lower	999, 0.189, NW
E37	BRUCE'S CUSTOM COVER	18850 ADAMS CT	CUPA Listings	Lower	1013, 0.192, NNW
E38	AIRCRAFT COVERS INC	18850 ADAMS CT	RCRA NonGen / NLR	Lower	1013, 0.192, NNW
H39	OZUNA FOOD PRODUCTS	180 COCHRANE CIR	CERS HAZ WASTE, CERS	Lower	1030, 0.195, WNW

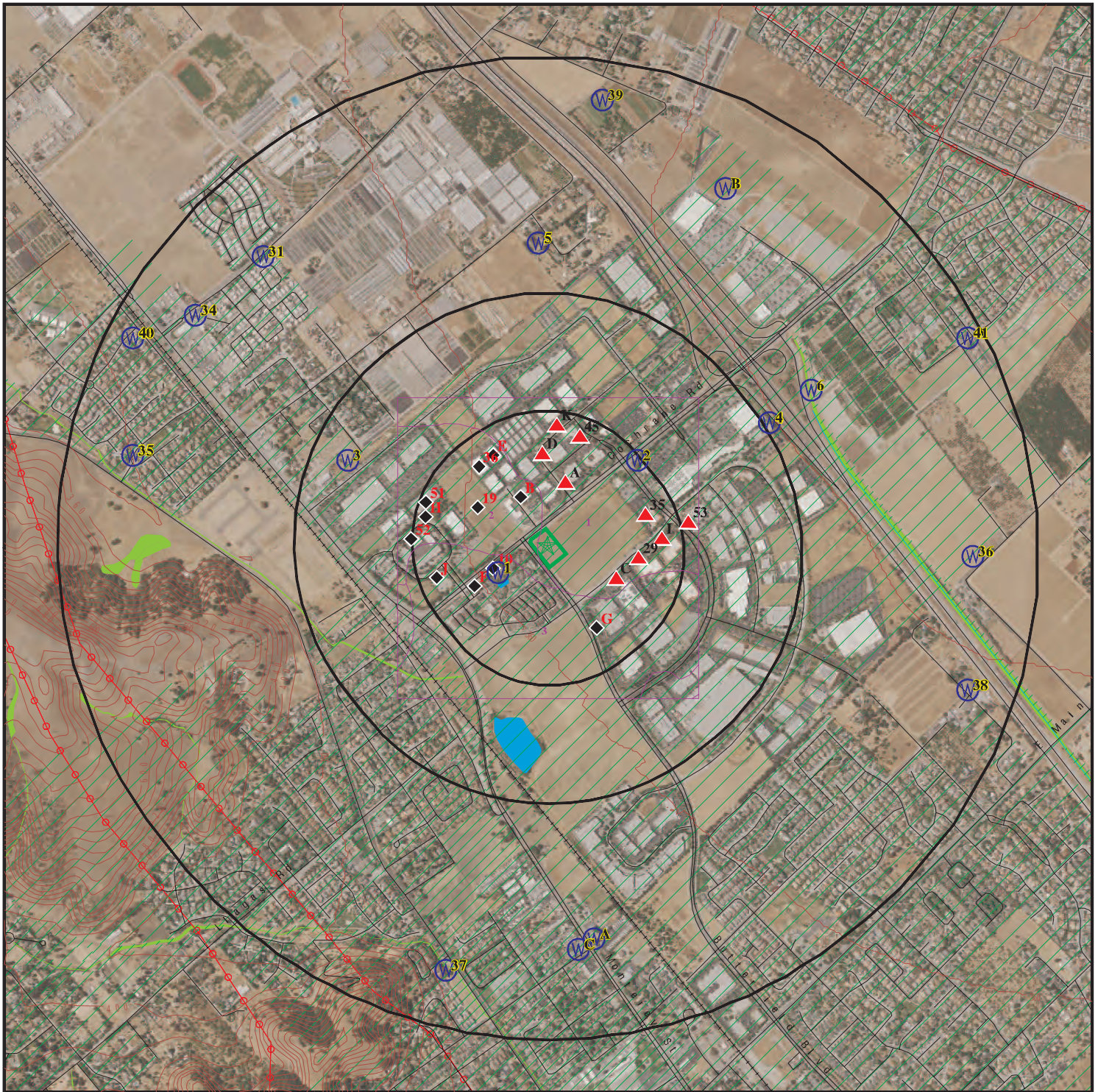
MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
MORGAN HILL, CA 95037

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	ANRITSU COMPANY	490 JARVIS DR	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1086, 0.206, East
I41	ANRITSU COMPANY	490 JARVIS DRIVE	CUPA Listings, EMI, HIST CORTESE, NPDES, CIWQS,...	Higher	1086, 0.206, East
I42	ANRITSU COMPANY	490 JARVIS DRIVE	RCRA-SQG, FINDS, ECHO	Higher	1086, 0.206, East
H43	DIE TECH	225 COCHRANE CIR CTE	RCRA NonGen / NLR	Lower	1102, 0.209, West
H44	MICMAR INC	225 COCHRANE CIR UNI	RCRA NonGen / NLR	Lower	1102, 0.209, West
45	PARAMIT PRODUCT DEVE	18635 SUTTER BLVD	RCRA NonGen / NLR	Higher	1109, 0.210, NNE
J46	MONUMENT CONSTRUCTIO	520 COCHRANE CIR	RCRA NonGen / NLR	Lower	1113, 0.211, WSW
J47	MONUMENT CONSTRUCTIO	520 COCHRANE CIRCLE	RCRA NonGen / NLR	Lower	1113, 0.211, WSW
K48	MICRO-MECHANICS INC	465 WOODVIEW AVE	RCRA NonGen / NLR	Higher	1172, 0.222, North
K49	MICRO MECHANICS INC	465 WOODVIEW AV	CERS HAZ WASTE, CUPA Listings, CERS	Higher	1172, 0.222, North
H50	ARAGEN BIOSCIENCES	260 COCHRANE CL STE	CUPA Listings	Lower	1199, 0.227, WNW
51	ALLWIN21 CORP	220 COCHRANE CL	CUPA Listings	Lower	1245, 0.236, WNW
52	DEPRESSURIZED TECHNO	335 COCHRANE CIR	RCRA-SQG, FINDS, ECHO, ICE, HWP, HAZNET, CERS,...	Lower	1330, 0.252, West
53	PHOTOTEK	18450 SUTTER BLVD	RCRA-SQG, ENVIROSTOR, HAZNET, HWTS	Higher	1415, 0.268, East

OVERVIEW MAP - 7169882.2S



 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

 Indian Reservations BIA

 Power transmission lines

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

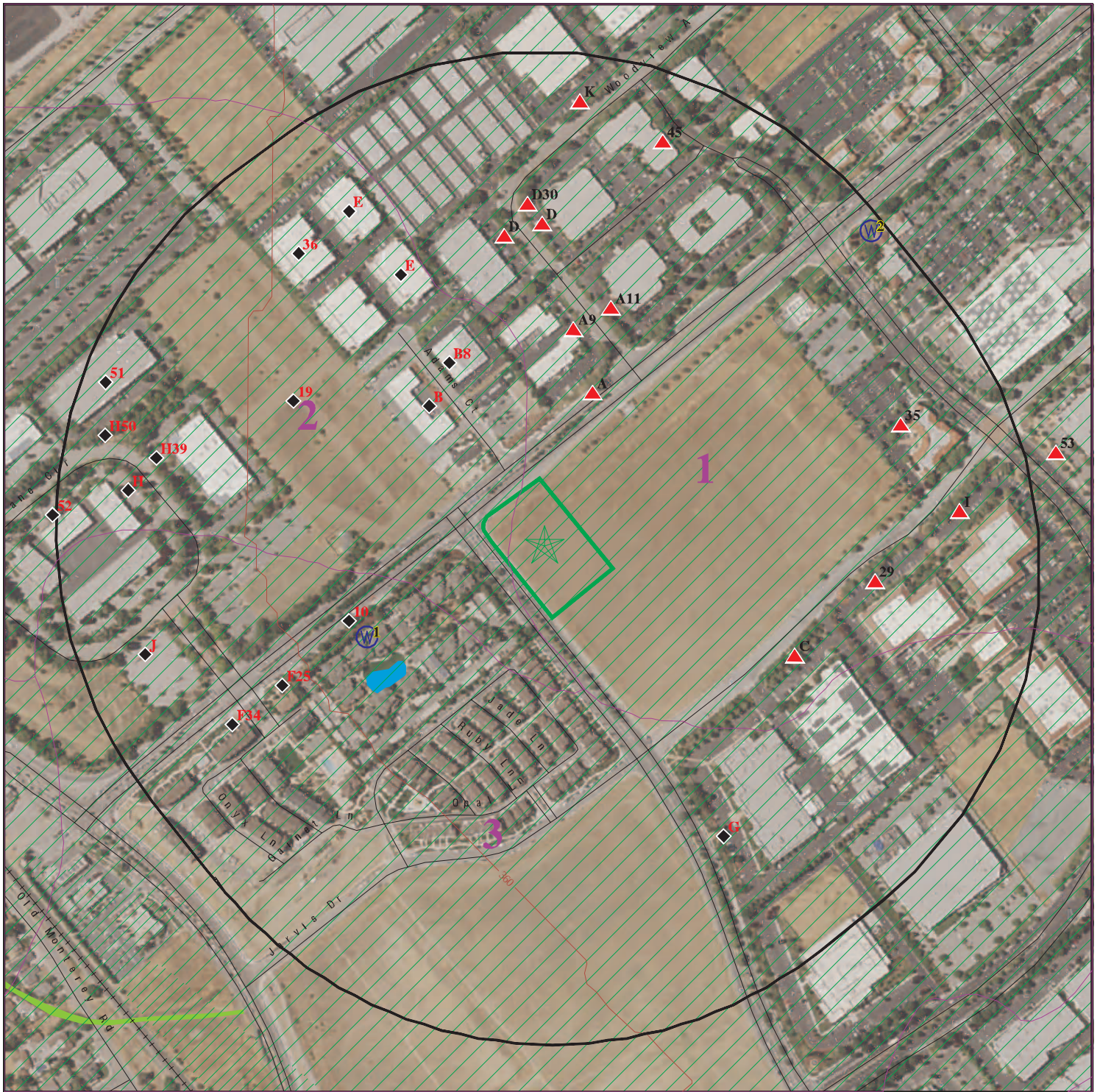
 Areas of Concern

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: RAISING CANES #991
ADDRESS: Not Reported
MORGAN HILL CA 95037
LAT/LONG: 37.147292 / 121.660117

CLIENT: Terracon
CONTACT: Santiago Calderon Sierra
INQUIRY #: 7169882.2s
DATE: November 04, 2022 3:17 pm

DETAIL MAP - 7169882.2S



- 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

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- 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: RAISING CANES #991
 ADDRESS: Not Reported
 MORGAN HILL CA 95037
 LAT/LONG: 37.147292 / 121.660117

CLIENT: Terracon
 CONTACT: Santiago Calderon Sierra
 INQUIRY #: 7169882.2s
 DATE: November 04, 2022 3:18 pm

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								
<i>Lists of Federal NPL (Superfund) sites</i>								
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
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		1	1	1	0	NR	3
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
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
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	0	NR	NR	2
HIST LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
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
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	8	NR	NR	NR	11
Toxic Pits	1.000		0	0	0	0	NR	0
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
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST 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
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		1	0	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		4	9	NR	NR	NR	13
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

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
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		7	18	NR	NR	NR	25
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
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	1	0	NR	NR	2
HWP	1.000		0	0	1	0	NR	1
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP		NR	NR	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
HAZMAT	0.250		0	0	NR	NR	NR	0
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
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	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
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	23	40	2	0	0	65

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
NNE
< 1/8
0.059 mi.
312 ft.
Site 1 of 4 in cluster A

ENVIROSTOR
CPS-SLIC
DEED
HIST CORTESE
CERS
S101482285
N/A

Relative:
Higher
Actual:
366 ft.

ENVIROSTOR:
Name: MADRONE LAND CORP./SAN JOSE TRAP & SKEET
Address: 645 COCHRANE RD.
City,State,Zip: MORGAN HILL, CA 95037
Facility ID: 43010016
Status: Refer: RWQCB
Status Date: 08/21/1996
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Rick Jones
Supervisor: Hansen Pang
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 37.15062
Longitude: -121.6562
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * WASTE OIL & MIXED OIL Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: MADRONE LAND CORP./SAN JOSE TRAP & SKEET
Alias Type: Alternate Name
Alias Name: 43010016
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 11/10/1992

CPS-SLIC:
Name: MADRONE LAND CORPORATION
Address: 645 COCHRANE ROAD
City,State,Zip: MORGAN HILL, CA 95037
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 08/09/1995
Global Id: SL20274892
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Latitude: 37.1292648829132
Longitude: -121.641437342297
Case Type: Cleanup Program Site
Case Worker: UUU
RB Case Number: SL20274892

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MADRONE LAND CORP./SAN JO (Continued)

S101482285

[Click here to access the California GeoTracker records for this facility:](#)

DEED:

Name: MADRONE LAND CORPORATION
Address: 645 COCHRANE ROAD
City,State,Zip: MORGAN HILL, CA 95037
Envirostor ID: SL20274892
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 10/02/2001
File Name: Geotracker Land Use/Deed Restrictions

HIST CORTESE:

edr_fname: MADRONE LAND CORP./SAN JO
edr_fadd1: 645 COCHRANE
City,State,Zip: MORGAN HILL, CA 95037
Region: CORTESE
Facility County Code: 43
Reg By: CALSI
Reg Id: 43010016

CERS:

Name: MADRONE LAND CORPORATION
Address: 645 COCHRANE ROAD
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 225155
CERS ID: SL20274892
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Phone: ,

A2
NNE
< 1/8
0.059 mi.
312 ft.

MADRONE LAND CORPORATION
645 COCHRANE ROAD
MORGAN HILL, CA
Site 2 of 4 in cluster A

CPS-SLIC **S106235223**
N/A

Relative:
Higher
Actual:
366 ft.

SLIC REG 2:
Region: 2
Facility ID: SL20274892
Facility Status: Not reported
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MADRONE LAND CORPORATION (Continued)

S106235223

Leak Source: Not reported
Date Confirmed: Not reported

**B3
NW
< 1/8
0.072 mi.
381 ft.**

**BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
18675 ADAMS CT UNIT F
MORGAN HILL, CA 95037**

**CERS HAZ WASTE
CUPA Listings
CERS**

**S114555261
N/A**

Site 1 of 6 in cluster B

**Relative:
Lower**

CERS HAZ WASTE:

**Actual:
363 ft.**

Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Address: 18675 ADAMS CT UNIT F
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 362181
CERS ID: 10588885
CERS Description: Hazardous Waste Generator

CUPA SANTA CLARA:

Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Address: 18675 ADAMS CT UNIT F
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.1485086
Longitude: -121.6611533
Record ID: PR0421755
Facility ID: FA0273589

Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Address: 18675 ADAMS CT UNIT F
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.1485086
Longitude: -121.6611533
Record ID: PR0413654
Facility ID: FA0273589

CERS:

Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Address: 18675 ADAMS CT UNIT F
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 362181
CERS ID: 10588885
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 08-10-2015
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 12/23/2015. THREE FIRE EXTINGUISHERS WERE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

OBSERVED IN WORK AREA. TWO HAD AN EXPIRED RE-CHARGE DATE OF 3/30/2012 AND ONE DID NOT HAVE A RECEIPT.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Facility is not certifying its HMBP every 12 months as required. Please submit by your anniversary month (Nov) for 2019.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 08-10-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/19/2015. No HMBP has been submitted to the California Environmental Reporting System (CERS). An invitation will be issued to NAME OF OWNER to create an account on CERS. Within 30 days, complete and submit the following (sections): -Facility information/ownership page -Hazardous materials inventory/site map -Emergency response plan/training plan NOTES: If you would like assistance with completing and submitting your HMBP, contact SCC HMCD Hazardous Materials Technicians Michelle Santos at (408)918-1981, Jean Nguyen at (408)918-1955, or myself at (408)918-3408. CERS website: <http://cers.calepa.ca.gov>

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
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: Site map needs update to include north orientation and storm drain locations

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Violation Date: 08-10-2015
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 12/23/2015. LABELS MUST BE ON HAZARDOUS WASTE CONTAINERS. THE FOLLOWING CONTAINERS DID NOT CONTAIN A LABEL: - 1 X 55 GALLON DRUM OF USED COOLANT - 1 X 55 GALLON DRUM OF USED OIL THE FOLLOWING CONTAINERS HAD A LABEL, BUT POSTED INFORMATION WAS ILLEGIBLE: - 1 X USED OIL ROLLER
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description: Failure of a generator of hazardous waste that meets the conditions to be transported on a consolidated manifest to comply with one or more of the required consolidated manifesting procedures and retain copies of receipts for three years.
Violation Notes: Consolidated manifests used for shipment of oil and antifreeze between 2015 and 2018 utilized the incorrect ID number (CAC002743480) instead of CAL00413811. Last pick up of oil (8/10/18) used correct ID number
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description: Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes: Emergency info not posted near phone. FORM PROVIDED
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: REsponse plan needs update to show correct CUPA phone number of 408-918-3400
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.5 25250.7(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25250.7(a)
Violation Description: Failure to prevent intentional contamination of used oil with other hazardous waste other than minimal amounts of vehicle fuel.
Violation Notes: Mr. Kerr noted that gas drained from fuel filters and gas used to degrease parts is mixed with oil for disposal. Discussed management/handling options during inspection.
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 08-10-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 12/23/2015. NON-CA EMPTY CONTAINERS WERE OBSERVED IN TRASH BIN IN WORK AREA.
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: No response to 2015 NOI was submitted. Violations noted in that notice were confirmed as having been addressed during this inspection, to include: EPA ID obtained Filters now segregated Containers closed and labeled extinguishers serviced (receipts attached showing 2015 and 2019 updates) non-empty containers in trash (non seen, has system for management) HMBP submitted
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Following containers noted as not being properly marked: 55 gal used oil- marked as "engine oil" and not dated. Complete label affixed to wall, not to container 15 gal steel drum oil debris (uncased filters)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

- label missing start date 30 gal steel drum used oil- unlabeled (general oil label affixed to wall) 55 gal poly drum used antifreeze, marked with old start date (9/15) 6x3 gal plastic containers used oil, no markings/label 15 gallon rolling oil collection container - label with old date, marked "engine oil" instead of "used oil". RECOMMEND LABELING "EMPTY DAILY" AND EMPTYING TO DRUM DAILY.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Receipts note that shipment of oil filters did not occur between 3/12/16 and 6/27/18. Filters must be removed within one year of first generated filter.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 08-10-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 12/23/2015. YOUR TEMPORARY EPA ID #CAC002743480 IS INACTIVE.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 02-06-2019
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: Site does not have documented HMBP emergency evac training annually.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Violation Date: 08-10-2015
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Description: Failure to properly dispose of hazardous waste at an authorized location.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Violation Notes: Returned to compliance on 12/23/2015. - PAPER AND METAL USED OIL AND GASOLINE FILTERS WERE OBSERVED IN 55 GALLON DRUM LABELED "USED OIL AND GASOLINE FILTERS." METAL USED OIL AND GAS FILTERS CAN CONTINUE TO BE COLLECTED AND DISPOSED IN THIS MANNER, BUT PAPER USED OIL AND GAS FILTERS MUST BE SEPARATED FROM METAL FILTERS AND DISPOSED OF AS A HAZARDOUS WASTE (OILY DEBRIS). - OIL SATURATED RAGS ARE BEING DISPOSED OF IN THE TRASH. MANAGE SATURATED RAGS AS A HAZARDOUS WASTE (OILY DEBRIS) OR DO NOT CONTINUE TO USE RAGS TO THE POINT OF SATURATION.

Violation Division: Santa Clara County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 362181

Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR

Violation Date: 08-10-2015

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 12/23/2015. THE FOLLOWING CONTAINERS WERE OPEN WHEN WASTE WAS NOT BEING ADDED OR REMOVED: - 1 X 55 GALLON DRUM OF USED COOLANT

Violation Division: Santa Clara County Environmental Health

Violation Program: HW

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-06-2019

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: CERS 10588885 Annual submittal 11/9/18, 10/11/17, 7/18/16 Map conditionally accepted on CERS Emergency plan and training plan utilize template.

Eval Division: Santa Clara County Environmental Health

Eval Program: HMRRP

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-06-2019

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Facility is automotive repair and service ID CAL000413811, active as of date of inspection Generates used oil, antifreeze, oily debris (uncased filtered), filters, absorbent. -Site also has bead blaster and parts washer, and generates gas from filter draining and used as degreaser. Batteries under consignment with world Pac or Interstate - 1-for-1 exchange. Receipt noted Uses single use wipers in place of rag service. Rags in garbage were not saturated. Advised Mr. Kerr to manage heavily soiled wipers with oily debris waste. Aerosols to trash. Discussed empty requirements Absorbent onsite not spent. Advised on disposal of spent absorbent- out with oily debris Mop water minor sheen, primary floor cleaning by absorbent and wiper. To toilet, non-hazardous Site has 1 55 gal drum for oil and 1 for Antifreeze, but has shipped more than 55 gallons of oil on last 3 pick ups. MAY BE ELIGIBLE FOR POINT OF GENERATION, BUT NEED TO MARK WITH FULL DATE Reviewed receipts [Truncated]

Eval Division: Santa Clara County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

EPA ID: CAC002743480 - INACTIVE. ON-SITE TO CONDUCT A ROUTINE HAZARDOUS WASTE INSPECTION WITH CONSENT OF OWNER, ROBERT KERR. THE FOLLOWING OBSERVATIONS WERE MADE: - 1 X 55 GALLON DRUM OF USED COOLANT WITH ACCUMULATION DATE: 2/13/2015 - 1 X 55 GALLON DRUM OF USED OIL WITH ACCUMULATION DATE: 6/2/2015 - 1 X 55 GALLON DRUM OF USED OIL AND GASOLINE FILTERS WITH ACCUMULATION DATE: 8/11/2014 - 1 X RED, USED OIL ROLLER - USED OIL FILTERS DRAINING IN TRAYS BEFORE DISPOSAL - 1 X PARTS WASHER WITH FLUID COLLECTING IN 30 GALLON DRUM - 1 X SAND BLASTER FOR THE OCCASIONAL USE OF RUST OR PAINT REMOVAL - OIL SATURATED, DISPOSABLE, BLUE TOWELS IN TRASH - FULLY EMPTY (OF PROPELLANT AND CONTENTS) IN TRASH - USED BATTERIES IN OFFICE AND WORK AREA - BRAKE TURNINGS COLLECTING IN CONTAINER. - NON-CA EMPTY CONTAINERS IN TRASH - THREE FIRE EXTINGUISHERS WERE OBSERVED IN WORK AREA. TWO HAD AN EXPIRED RE-CHARGE DATE OF 3/30/2012 AND ONE DID NOT HAVE A RECEIPT. NOTES: - SCRAP [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

ON-SITE TO CONDUCT A ROUTINE HAZARDOUS WASTE INSPECTION AND THE FOLLOWING HAZARDOUS WASTES WERE OBSERVED IN HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) QUANTITIES: - 1 X 55 GALLON DRUM OF USED ANTIFREEZE - 1 X 55 GALLON DRUM OF USED OIL NOTE: IF YOU DO NOT WANT TO BE SUBJECT TO HMBP, REDUCE CONTAINERS OF HAZARDOUS WASTE TO <55 GALLONS.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Site Address: 18675 ADAMS CT UNIT F
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 08-10-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 362181
Site Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Site Address: 18675 ADAMS CT UNIT F
Site City: MORGAN HILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Site Zip: 95037
Enf Action Date: 08-10-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Robert Kerr
Affiliation Address: 18675 Adams Ct. Unit F
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Lupe Compean
Affiliation Address: 936 Harriet Ave
Affiliation City: Campbell
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95008
Affiliation Phone: (408) 395-4242,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Document Preparer
Entity Name: Robert Kerr
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 18675 Adams Court, Unit F
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Robert Kerr
Entity Title: Owner
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Robert Kerr
Affiliation Address: 18675 Adams Court, Unit F

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE DIAGNOSTIC & REPAIR (Continued)

S114555261

Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 607-4344,

Affiliation Type Desc: Operator
Entity Name: Robert Kerr
Affiliation Phone: (408) 607-4344,

**B4
NW
< 1/8
0.072 mi.
381 ft.**

**CALIFORNIA VACUUM SYSTEM
18675 ADAMS CT UNIT L
MORGAN HILL, CA 95037**

**CUPA Listings
HAZNET
HWTS**

**S113112240
N/A**

Site 2 of 6 in cluster B

**Relative:
Lower

Actual:
363 ft.**

CUPA SANTA CLARA:
Name: CALIFORNIA VACUUM SYSTEM
Address: 18675 ADAMS CT UNIT L
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2201
Program Description: GENERATES WASTE OIL ONLY
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.1485086
Longitude: -121.6611533
Record ID: PR0414133
Facility ID: FA0273863

HAZNET:

Name: CALIFORNIA VACUUM SYSTEMS
Address: 18675 ADAMS CT STE L
City,State,Zip: MORGAN HILL, CA 950370000
Contact: GEORGE NAUGLE
Telephone: 4087793323
Mailing Address: 18675 ADAMS CT STE L

Year: 2007
Gepaid: CAL000222360
TSD EPA ID: CAL000161743
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: 0.722

Year: 2001
Gepaid: CAL000222360
TSD EPA ID: CAL000161743
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 0.513

Additional Info:

Year: 2007
Gen EPA ID: CAL000222360

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA VACUUM SYSTEM (Continued)

S113112240

Shipment Date: 20070119
Creation Date: 4/19/2007 18:32:19
Receipt Date: 20070124
Manifest ID: 000036586GBF
Trans EPA ID: CAL000027759
Trans Name: NORTH VALLEY OIL
TSDF EPA ID: CAL000161743
Trans Name: ALVISO OIL
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.722
Waste Quantity: 190
Quantity Unit: G

Additional Info:

Year: 2001
Gen EPA ID: CAL000222360

Shipment Date: 20010711
Creation Date: 10/1/2001 0:00:00
Receipt Date: 20010718
Manifest ID: 20825221
Trans EPA ID: CAL000027759
TSDF EPA ID: CAL000161743
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: R01 - Recycler
Quantity Tons: 0.513
Waste Quantity: 135
Quantity Unit: G

HWTS:

Name: CALIFORNIA VACUUM SYSTEMS
Address: 18675 ADAMS CT STE L
City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000222360
Create Date: 07/09/2001
Mailing Address: 18675 ADAMS CT STE L
Mailing City,State,Zip: MORGAN HILL, CA 950372805
Owner Name: GEORGE NAUGLE
Owner Address: 18675 ADAMS CT STE L
Owner City,State,Zip: MORGAN HILL, CA 950372805
Contact Name: GEORGE NAUGLE
Contact Address: 18675 ADAMS CT STE L
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 37.148116
Longitude: -121.660737

NAICS:

EPA ID: CAL000222360
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 23595
NAICS Description: Building Equipment and Other Machinery Installation Contractors
Issued EPA ID Date: 2001-07-09 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA VACUUM SYSTEM (Continued)

S113112240

Facility Name: CALIFORNIA VACUUM SYSTEMS
Facility Address: 18675 ADAMS CT STE L
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

**B5
NW
< 1/8
0.072 mi.
381 ft.**

**CALIFORNIA VACUUM SYSTEMS
18675 ADAMS CT STE L
MORGAN HILL, CA 95037**

RCRA NonGen / NLR

**1024800798
CAL000222360**

Site 3 of 6 in cluster B

**Relative:
Lower**

RCRA Listings:

**Actual:
363 ft.**

Date Form Received by Agency: 20010709
Handler Name: CALIFORNIA VACUUM SYSTEMS
Handler Address: 18675 ADAMS CT STE L
Handler City,State,Zip: MORGAN HILL, CA 95037-0000
EPA ID: CAL000222360
Contact Name: GEORGE NAUGLE
Contact Address: 18675 ADAMS CT STE L
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-779-3323
Contact Email: CALVACUUM@AOL.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 18675 ADAMS CT STE L
Mailing City,State,Zip: MORGAN HILL, CA 95037-2805
Owner Name: GEORGE NAUGLE
Owner Type: Other
Operator Name: GEORGE NAUGLE
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: N
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA VACUUM SYSTEMS (Continued)

1024800798

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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
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:	GEORGE NAUGLE
Legal Status:	Other
Owner/Operator Address:	18675 ADAMS CT STE L
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-779-3323
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GEORGE NAUGLE
Legal Status:	Other
Owner/Operator Address:	18675 ADAMS CT STE L
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037-0000
Owner/Operator Telephone:	408-779-3323

Historic Generators:

Receive Date:	20010709
Handler Name:	CALIFORNIA VACUUM SYSTEMS
Federal Waste Generator Description:	Not a generator, verified
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

List of NAICS Codes and Descriptions:

NAICS Code:	23595
NAICS Description:	BUILDING EQUIPMENT AND OTHER MACHINERY INSTALLATION CONTRACTORS

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B6
NW
< 1/8
0.072 mi.
381 ft.
PUMPS INTERNATIONAL
18675 ADAMS CT D
MORGAN HILL, CA 95037
Site 4 of 6 in cluster B

CUPA Listings **S121468868**
N/A

Relative: CUPA SANTA CLARA:
Lower Name: PUMPS INTERNATIONAL
Address: 18675 ADAMS CT D
Actual: City,State,Zip: MORGAN HILL, CA 95037
363 ft. Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.14831
Longitude: -121.661089
Record ID: PR0316596
Facility ID: FA0203186

B7
NW
< 1/8
0.072 mi.
381 ft.
BULLSEYE AUTOMOTIVE
18675 ADAMS CT STE F
MORGAN HILL, CA 95037
Site 5 of 6 in cluster B

RCRA NonGen / NLR **1024853723**
CAL000413811

Relative: RCRA Listings:
Lower Date Form Received by Agency: 20160122
Actual: Handler Name: BULLSEYE AUTOMOTIVE
363 ft. Handler Address: 18675 ADAMS CT STE F
MORGAN HILL, CA 95037-2805
EPA ID: CAL000413811
Contact Name: ROBERT KERR
Contact Address: 18675 ADAMS CT STE F
MORGAN HILL, CA 95037
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-607-4344
Contact Email: ROBERT@BULLSEYEAUTOMOTIVEREPAIR.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 18675 ADAMS CT STE F
MORGAN HILL, CA 95037-2805
Mailing City,State,Zip: MORGAN HILL, CA 95037-2805
Owner Name: ROBERT KERR
Owner Type: Other
Operator Name: ROBERT KERR
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE (Continued)

1024853723

Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs 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
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
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: ROBERT KERR	
Legal Status:	Other
Owner/Operator Address:	18675 ADAMS CT STE F
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037-2805
Owner/Operator Telephone:	408-607-4344

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROBERT KERR	
Legal Status:	Other
Owner/Operator Address:	18675 ADAMS CT STE F
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-607-4344

Historic Generators:

Receive Date:	20160122
Handler Name: BULLSEYE AUTOMOTIVE	
Federal Waste Generator Description:	Not a generator, verified
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

List of NAICS Codes and Descriptions:

NAICS Code:	811111
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULLSEYE AUTOMOTIVE (Continued)

1024853723

NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

B8
NNW
< 1/8
0.086 mi.
452 ft.

UC COMPONENTS INC.
18700 ADAMS
MORGAN HILL, CA 95037
Site 6 of 6 in cluster B

RCRA NonGen / NLR

1024754260
CAC002974075

Relative:
Lower

Actual:
363 ft.

RCRA Listings:
Date Form Received by Agency: 20180803
Handler Name: UC COMPONENTS INC.
Handler Address: 18700 ADAMS
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAC002974075
Contact Name: TIM RENGGLI
Contact Address: 18700 ADAMS CT
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-782-1929
Contact Email: TIM@UCCOMPONENTS.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 18700 ADAMS CT
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: JENNIFER GERRANAN
Owner Type: Other
Operator Name: TIM RENGGLI
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: N
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UC COMPONENTS INC. (Continued)

1024754260

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
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
Handler Date of Last Change: 20180831
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: JENNIFER GERRANAN
Legal Status: Other
Owner/Operator Address: 18700 ADAMS CT
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-782-1929

Owner/Operator Indicator: Operator
Owner/Operator Name: TIM RENGGLI
Legal Status: Other
Owner/Operator Address: 18700 ADAMS CT
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-782-1929

Historic Generators:

Receive Date: 20180803
Handler Name: UC COMPONENTS INC.
Federal Waste Generator Description: Not a generator, verified
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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UC COMPONENTS INC. (Continued)

1024754260

Evaluation Action Summary:
Evaluations:

No Evaluations Found

A9
North
< 1/8
0.090 mi.
474 ft.

TECHSMART AIR CONDITIONING, INC.
365 WOODVIEW AVENUE
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1026821688
CAC003134618

Site 3 of 4 in cluster A

Relative:
Higher
Actual:
365 ft.

RCRA Listings:

Date Form Received by Agency:	20210816
Handler Name:	TECHSMART AIR CONDITIONING, INC.
Handler Address:	365 WOODVIEW AVENUE
Handler City,State,Zip:	MORGAN HILL, CA 95037
EPA ID:	CAC003134618
Contact Name:	DEAN WYCOFF
Contact Address:	365 WOODVIEW AVENUE
Contact City,State,Zip:	MORGAN HILL, CA 95037
Contact Telephone:	408-782-5835
Contact Fax:	408-904-4837
Contact Email:	DEANW@TECHSMART.NET
EPA Region:	09
Federal Waste Generator Description:	Not a generator, verified
Mailing Address:	365 WOODVIEW AVENUE
Mailing City,State,Zip:	MORGAN HILL, CA 95037
Owner Name:	DEAN WYCOFF
Owner Type:	Other
Operator Name:	DEAN WYCOFF
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 State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHSMART AIR CONDITIONING, INC. (Continued)

1026821688

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
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
Handler Date of Last Change:	20210816
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:	DEAN WYCOFF
Legal Status:	Other
Owner/Operator Address:	365 WOODVIEW AVENUE
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-782-5835

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DEAN WYCOFF
Legal Status:	Other
Owner/Operator Address:	365 WOODVIEW AVENUE
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-782-5835

Historic Generators:

Receive Date:	20210816
Handler Name:	TECHSMART AIR CONDITIONING, INC.
Federal Waste Generator Description:	Not a generator, verified
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:	238220
NAICS Description:	PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

10
WSW
< 1/8
0.095 mi.
501 ft.

CELLIANCE CORPORATION
260 COCHRANE RD E
MORGAN HILL, CA 95037

CUPA Listings **S121473331**
N/A

Relative: CUPA SANTA CLARA:
Lower Name: CELLIANCE CORPORATION
Address: 260 COCHRANE RD E
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.146794
Longitude: -121.661804
Record ID: PR0378559
Facility ID: FA0258504

A11
NNE
< 1/8
0.108 mi.
572 ft.

TOWA USA CORPORATION
350 WOODVIEW AV STE 200
MORGAN HILL, CA 95037

CUPA Listings **S121474816**
N/A

Site 4 of 4 in cluster A

Relative: CUPA SANTA CLARA:
Higher Name: TOWA USA CORPORATION
Address: 350 WOODVIEW AV STE 200
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2240
Program Description: GENERATES < 10 GAL/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.1514783
Longitude: -121.6587959
Record ID: PR0413735
Facility ID: FA0273636

C12
ESE
< 1/8
0.118 mi.
622 ft.

K.R. ANDERSON
400 JARVIS DR 120
MORGAN HILL, CA 95037

CUPA Listings **S121472842**
N/A

Site 1 of 7 in cluster C

Relative: CUPA SANTA CLARA:
Higher Name: K.R. ANDERSON
Address: 400 JARVIS DR 120
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.145656
Longitude: -121.658534
Record ID: PR0374170
Facility ID: FA0256228

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
C13 ESE < 1/8 0.118 mi. 622 ft.	ADDEV VMS 400 JARVIS DRIVE STE 120 MORGAN HILL, CA 95037 Site 2 of 7 in cluster C	RCRA-SQG	1027095709 CAR000334946
Relative: Higher Actual: 366 ft.	RCRA Listings: Date Form Received by Agency: 20220224 Handler Name: ADDEV VMS Handler Address: 400 JARVIS DRIVE STE 120 Handler City,State,Zip: MORGAN HILL, CA 95037 EPA ID: CAR000334946 Contact Name: MATTHEW WEBB Contact Address: JARVIS DRIVE Contact City,State,Zip: MORGAN HILL, CA 95037 Contact Telephone: 612-231-0983 EPA Region: 09 Land Type: Private Federal Waste Generator Description: Small Quantity Generator Active Site Indicator: Handler Activities Mailing Address: JARVIS DRIVE Mailing City,State,Zip: MORGAN HILL, CA 95037 Owner Name: PACKERS PARTNERS Owner Type: Private Operator Name: ADDEV VMS Operator Type: Private 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 State-Reg Handler: --- Hazardous Secondary Material Indicator: N Commercial TSD Indicator: No 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline 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 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		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADDEV VMS (Continued)

1027095709

Handler Date of Last Change:	20220225
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

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PACKERS PARTNERS
Legal Status:	Private
Date Became Current:	19990101
Owner/Operator Address:	18330 SUTTER BLVD
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-825-1800
Owner/Operator Email:	PACKERSPARTNERS@GMAIL.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADDEV VMS
Legal Status:	Private
Date Became Current:	20200301
Owner/Operator Address:	400 JARVIS DRIVE
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	612-231-0983
Owner/Operator Email:	M.WEBB@ANDPAK.COM

Historic Generators:

Receive Date:	20220224
Handler Name:	ADDEV VMS
Federal Waste Generator Description:	Small Quantity Generator
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:	424720
NAICS Description:	PETROLEUM AND PETROLEUM PRODUCTS MERCHANT WHOLESALERS (EXCEPT BULK STATIONS AND TERMINALS)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADDEV VMS (Continued)

1027095709

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

**C14
ESE
< 1/8
0.118 mi.
622 ft.**

**ADDEV VMS, INC.
400 JARVIS DR STE 120
MORGAN HILL, CA 95037**

CERS HAZ WASTE

**S128623336
N/A**

Site 3 of 7 in cluster C

**Relative:
Higher**

CERS HAZ WASTE:

**Actual:
366 ft.**

Name: ADDEV VMS, INC.
Address: 400 JARVIS DR STE 120
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 601194
CERS ID: 10892815
CERS Description: Hazardous Waste Generator

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Environmental Contact
Entity Name: Mussie Berhan
Affiliation Address: PO Box 1712
Affiliation City: Aptos
Affiliation State: CA
Affiliation Zip: 95001
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Matthew Webb
Affiliation Phone: (612) 231-0983,

Affiliation Type Desc: Parent Corporation
Entity Name: Addev USA Inc
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 400 Jarvis Dr Ste 120
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADDEV VMS, INC. (Continued)

S128623336

Affiliation Type Desc: Identification Signer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Matthew Webb
Affiliation Address: 400 Jarvis Dr Ste 120
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (612) 231-0983,

Affiliation Type Desc: Property Owner
Entity Name: Packers Partners
Affiliation Address: 18330 Sutter Blvd.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 825-1800,

**C15
ESE
< 1/8
0.118 mi.
622 ft.**

**ANDPAK INC
400 JARVIS DRIVE
MORGAN HILL, CA 95037**

**RCRA-LQG 1001481048
US AIRS CAR000050989**

Site 4 of 7 in cluster C

**Relative:
Higher**

**Actual:
366 ft.**

RCRA Listings:
Date Form Received by Agency: 20220228
Handler Name: ANDPAK INC
Handler Address: 400 JARVIS DRIVE
Handler City,State,Zip: MORGAN HILL, CA 95037-0000
EPA ID: CAR000050989
Contact Name: PATRICK BRUNDAGE
Contact Address: JARVIS DRIVE
Contact City,State,Zip: MORGAN HILL, CA 95037-0000
Contact Telephone: 408-782-2500
Contact Fax: 408-782-6304
Contact Email: PBRUNDAGE@ANDPAK.COM
Contact Title: EHS MANAGER
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Biennial Report Cycle: 2021
Active Site Indicator: Handler Activities
Mailing Address: JARVIS DRIVE
Mailing City,State,Zip: MORGAN HILL, CA 95037-0000
Owner Name: PACKERS PARTNERS PROPERTIES LLC
Owner Type: Private
Operator Name: ANDPAK INC.
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

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 State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
Handler Date of Last Change:	20220606
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

Biennial: List of Years

Year: 2019

[Click Here for Biennial Reporting System Data:](#)

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

[Click Here for Biennial Reporting System Data:](#)

Year: 2007

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Year: 2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

[Click Here for Biennial Reporting System Data:](#)

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001

Waste Description: IGNITABLE WASTE

Waste Code: D002

Waste Description: CORROSIVE WASTE

Waste Code: D003

Waste Description: REACTIVE WASTE

Waste Code: D005

Waste Description: BARIUM

Waste Code: D007

Waste Description: CHROMIUM

Waste Code: D009

Waste Description: MERCURY

Waste Code: D018

Waste Description: BENZENE

Waste Code: D035

Waste Description: METHYL ETHYL KETONE

Waste Code: D040

Waste Description: TRICHLOROETHYLENE

Waste Code: F001

Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002

Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003

Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005

Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F022

Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 400 JARVIS DRIVE
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-0000
Owner/Operator Telephone: 408-782-2500
Owner/Operator Telephone Ext: 112
Owner/Operator Email: RVARIEN@ANDPAK.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 400 JARVIS DRIVE
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-0000
Owner/Operator Telephone: 408-782-2500
Owner/Operator Telephone Ext: 112
Owner/Operator Email: RVARIEN@ANDPAK.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 400 JARVIS DRIVE
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-0000
Owner/Operator Telephone: 408-782-2500
Owner/Operator Telephone Ext: 112
Owner/Operator Email: RVARIEN@ANDPAK.COM

Owner/Operator Indicator: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Owner/Operator Name: JACK DOUGLASS
Legal Status: Private
Date Became Current: 19790701
Owner/Operator Address: 18330 SUTTER BLVD.
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private
Date Became Current: 19790701

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKERS PARTNERS PROPERTIES LLC
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 18330 SUTTER BOULEVARD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-825-1800
Owner/Operator Email: DVARIEN@ANDPAK.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKERS PARTNERS PROPERTIES LLC
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 18330 SUTTER BOULEVARD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-825-1800
Owner/Operator Email: DVARIEN@ANDPAK.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private
Date Became Current: 19790701

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKERS PARTNERS PROPERTIES LTD
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 18330 SUTTER BOULEVARD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-825-1800

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK, INC.
Legal Status: Private
Date Became Current: 19990901

Owner/Operator Indicator: Owner
Owner/Operator Name: JACK DOUGLASS
Legal Status: Private
Date Became Current: 19790701
Owner/Operator Address: 18330 SUTTER BOULEVARD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC.
Legal Status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Date Became Current: 19790701

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKERS PARTNERS PROPS LTD
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 18330 SUTTER BLVD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-825-1800

Owner/Operator Indicator: Owner
Owner/Operator Name: JACK DOUGLASS
Legal Status: Private
Owner/Operator Address: 2800 BOWERS AVE
Owner/Operator City,State,Zip: SANTA CLARA, CA 95051
Owner/Operator Telephone: 408-727-2800

Owner/Operator Indicator: Owner
Owner/Operator Name: JACK DOUGLASS
Legal Status: Private
Date Became Current: 19790701

Owner/Operator Indicator: Operator
Owner/Operator Name: ANDPAK INC
Legal Status: Private
Date Became Current: 19990901

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKERS PARTNERS PROPERTIES LLC
Legal Status: Private
Date Became Current: 19990901
Owner/Operator Address: 18330 SUTTER BOULEVARD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-825-1800
Owner/Operator Email: DVARIEN@ANDPAK.COM

Historic Generators:

Receive Date: 20140303
Handler Name: ANDPAK, INC
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20160217
Handler Name: ANDPAK, INC.
Federal Waste Generator Description: Large Quantity Generator
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Receive Date: 20180213
Handler Name: ANDPAK INC
Federal Waste Generator Description: Large Quantity Generator
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: 20210520
Handler Name: ANDPAK INC
Federal Waste Generator Description: Large Quantity Generator
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: 20220228
Handler Name: ANDPAK INC
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 19990408
Handler Name: ANDPAK E M A INC
Federal Waste Generator Description: Small Quantity Generator
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

Receive Date: 20001012
Handler Name: ANDPAK MORGAN HILL
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20020222

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Handler Name: ANDPAK INC.
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20040223
Handler Name: ANDPAK INC.
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20060214
Handler Name: ANDPAK INC.
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20080324
Handler Name: ANDPAK INC.
Federal Waste Generator Description: Large Quantity Generator
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

List of NAICS Codes and Descriptions:

NAICS Code: 325998
NAICS Description: ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20191115
Actual Return to Compliance Date: 20191125
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20191115
Actual Return to Compliance Date: 20191211
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined: 20180523
Actual Return to Compliance Date: 20180622
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20151005
Actual Return to Compliance Date: 20151109
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20151104
Enforcement Identifier: 602
Date of Enforcement Action: 20151005
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Evaluation Action Summary:
Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20191115
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20191125

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20191115
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20191211

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 20151109
Scheduled Compliance Date: 20151104

Evaluation Date: 20151005
Evaluation Responsible Agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20180523
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DFERN
Actual Return to Compliance Date:	20180622
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1001481048

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104
Evaluation Date:	20151005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date:	20151109
Scheduled Compliance Date:	20151104

US AIRS MINOR:

Envid:	1001481048
Region Code:	09
Programmatic ID:	AIR CABAA00006085MAC01
Facility Registry ID:	110000523862
Primary SIC Code:	9999
NAICS Code:	325998
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF

**C16
ESE
< 1/8
0.118 mi.
622 ft.**

**ANDPAK, INC.
400 JARVIS DR
MORGAN HILL, CA 95037

Site 5 of 7 in cluster C**

**AST A100340354
N/A**

**Relative:
Higher**

AST:

**Actual:
366 ft.**

Name:	ANDPAK, INC.
Address:	400 JARVIS DR
City/Zip:	MORGAN HILL,95037
Owner:	Dennis Wagner
CERSID:	10076206
Facility ID:	43-004-010885
Business Name:	Packers Partners
Phone:	408-782-2500x112
Mailing Address:	400 Jarvis Dr
Mailing Address City:	Morgan Hill
Mailing Address State:	CA
Mailing Address Zip Code:	95037
Operator Name:	Richard Varien
Operator Phone:	408-782-2500x112
Owner Phone:	408-727-2800
Owner Mail Address:	400 JARVIS DR
Owner State:	CA
Owner Zip Code:	95037
Owner Country:	United States
Property Owner Name:	Packer's Partners
Property Owner Phone:	408-825-1800
Property Owner Mailing Address:	18330 Sutter Blvd.
Property Owner City:	Morgan Hill
Property Owner Stat :	CA
Property Owner Zip Code:	95037
Property Owner Country:	United States
EPAID:	CAR000050989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

A100340354

Name: ANDPAK, INC
Address: 400 JARVIS DR
City/Zip: MORGAN HILL,
Certified Unified Program Agencies: Santa Clara County
Owner: ANDPAK, INC
Total Gallons: 1,400

**C17
ESE
< 1/8
0.118 mi.
622 ft.**

**ANDPAK INC
400 JARVIS DR
MORGAN HILL, CA 95037**

**CUPA Listings
NPDES
WDS**

**1005452234
N/A**

Site 6 of 7 in cluster C

**Relative:
Higher**

CUPA SANTA CLARA:

**Actual:
366 ft.**

Name: ANDPAK INC
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: GENERATES 5 TO <25 TONS/YR (RCRA LQG)
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.145656
Longitude: -121.658534
Record ID: PR0367413
Facility ID: FA0252420

Name: ANDPAK INC
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 22+ CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.145656
Longitude: -121.658534
Record ID: PR0376000
Facility ID: FA0252420

Name: ANDPAK INC
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2011
Program Description: APSA FACILITY-SPCC TEMPLATE (<10,000 GAL CAP)
Program Identifier: DEH PERMIT-ABOVEGROUND PETROLEUM STORAGE ACT PROGRAM
Latitude: 37.145656
Longitude: -121.658534
Record ID: PR0399642
Facility ID: FA0252420

NPDES:

Name: ANDPAK INC
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Active
NPDES Number: CAS000001
Region: 3
Agency Number: 0
Regulatory Measure ID: 186399

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1005452234

Order Number: 97-03-DWQ
WDID: 3 43I015158
Regulatory Measure Type: Enrollee
Program Type: Industrial
Effective Date Of Regulatory Measure: 05/20/1999
Discharge Address: 400 Jarvis Dr
Discharge Name: Andpak Inc
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

NPDES as of 03/2018:

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 3
Regulatory Measure ID: 186399
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 3 43I015158
Program Type: Industrial
Effective Date Of Regulatory Measure: 05/20/1999
Discharge Name: Andpak Inc
Discharge Address: 400 Jarvis Dr
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

Region: 3
Regulatory Measure ID: 186399
Regulatory Measure Type: Industrial
WDID: 3 43I015158
Received Date: 05/09/2008
Processed Date: 05/20/1999
Status: Active
Status Date: 05/20/1999
Place Size: 179165
Place Size Unit: SqFt
Contact: Patrick Brundage
Contact Title: EHS Manager
Contact Phone: 877-272-8007
Contact Phone Ext: 1150
Contact Email: pbrundage@andpak.com
Operator Name: Andpak Inc
Operator Address: 400 Jarvis Dr
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037
Operator Contact: Richard Varien
Operator Contact Title: Vice President
Operator Contact Phone: 877-272-8007
Operator Contact Phone Ext: 1112
Operator Contact Email: dvarien@andpak.com
Operator Type: Private Business
Developer State: California
Emergency Phone: 408-621-8003
Dir Discharge Uswater Ind: N
Receiving Water Name: Municipal Storm Water System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1005452234

Certifier: Richard Varien
Certifier Title: Vice President
Certification Date: 11-MAY-15
Primary Sic: 2899-Chemicals and Chemical Preparations, NEC

Name: ANDPAK INC
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
WDID: 3 43I015158
Regulatory Measure Type: Industrial
Status: Active
Status Date: 05/20/1999
Operator Name: Andpak Inc
Operator Address: 400 Jarvis Dr
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037

NPDES as of 03/2018:

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 3
Regulatory Measure ID: 186399
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 3 43I015158
Program Type: Industrial
Effective Date Of Regulatory Measure: 05/20/1999
Discharge Name: Andpak Inc
Discharge Address: 400 Jarvis Dr
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

Region: 3
Regulatory Measure ID: 186399
Regulatory Measure Type: Industrial
WDID: 3 43I015158
Received Date: 05/09/2008
Processed Date: 05/20/1999
Status: Active
Status Date: 05/20/1999
Place Size: 179165
Place Size Unit: SqFt
Contact: Patrick Brundage
Contact Title: EHS Manager
Contact Phone: 877-272-8007
Contact Phone Ext: 1150
Contact Email: pbrundage@andpak.com
Operator Name: Andpak Inc
Operator Address: 400 Jarvis Dr
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037
Operator Contact: Richard Varien
Operator Contact Title: Vice President

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK INC (Continued)

1005452234

Operator Contact Phone: 877-272-8007
Operator Contact Phone Ext: 1112
Operator Contact Email: dvarien@andpak.com
Operator Type: Private Business
Developer State: California
Emergency Phone: 408-621-8003
Dir Discharge Uswater Ind: N
Receiving Water Name: Municipal Storm Water System
Certifier: Richard Varien
Certifier Title: Vice President
Certification Date: 11-MAY-15
Primary Sic: 2899-Chemicals and Chemical Preparations, NEC

WDS:

Name: ANDPAK INC
Address: 400 JARVIS DR
City: MORGAN HILL
Facility ID: Central Coastal 43I015158
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: 3
Agency Name: ANDPAK INC
Agency City,St,Zip: 0
SIC Code: 0
Design Flow: 0
Baseline Flow: 0
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 those who 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.

C18
ESE
< 1/8
0.118 mi.
622 ft.
Relative:
Higher
Actual:
366 ft.

ANDPAK, INC.
400 JARVIS DR
MORGAN HILL, CA 95037
Site 7 of 7 in cluster C

CERS HAZ WASTE
CERS TANKS
CERS
S121794213
N/A

CERS HAZ WASTE:
Name: ANDPAK, INC.
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92285
CERS ID: 10076206
CERS Description: RCRA LQ HW Generator

Name: ANDPAK, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92285
CERS ID: 10076206
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: ANDPAK, INC.
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92285
CERS ID: 10076206
CERS Description: Aboveground Petroleum Storage

CERS:

Name: ANDPAK, INC.
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92285
CERS ID: 10076206
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/09/2015. Facility s Biennial Report on 2013 activities did not include all the requirements of 66262.41(b).

Facility s

Biennial Report on 2013 activities did not include the identification number, name and address for each off-site TSDF in the United States to which waste was shipped during the year (CCR 66262.41(b)(3)). All applicable information was missing for Clean Harbors Aragonite LLC (EPA ID# UTD981552177) and Clean Harbors Environmental Services (EPA ID# ARD069748192). Facility s Biennial Report did not include required information for waste streams with California Hazardous Waste Category Numbers 181, 281, and 352 per CCR 66262.41(b)(5).

Submit the

report to DTSC with all required information. Forms are available at www.dtsc.ca.gov. Keep the report for at least 3 years from the due date. [CCR 66262.40, 66262.41]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if the waste generated is a hazardous waste.
Violation Notes: Returned to compliance on 11/09/2015.

-A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

container of an unknown liquid was observed in the fume hood of the mining cylinder production location in Area D/E. -Dark, brown-gray sludge and an unidentified tray of liquid were observed under the water bath in Area D/E. -White powder was observed on the floor, in the fume hood, and on equipment in the Clean Room. -A 55 gallon drum labeled Contaminated Plant Food and particulate rinse water from bottle filler equipment was observed in Area G. _____ - Area G and Area C contained containers labeled as Material Under Review: Not for Production. The facility confirmed that the material is expired/no longer meets production standards and is currently deciding if the material has a secondary use. Ensure that materials are not being accumulated speculatively (CCR 66260.10). If materials can be used or are determined to be a retrograde material, provide inspector with documentation of their [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 11/09/2015. Facility failed to notify the Department of aerosol can puncturing.

_____ Puncturing
of aerosol cans for the purpose of disposal is allowed, but notifying the Department of this practice is required. A template outlining the required notification information will be provided to the facility by the inspector.

_____ Submit an
aerosol can puncturing notification pursuant to the requirements outlined in 25201.16(j).

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Notes:	worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position. Returned to compliance on 11/09/2015. Observations of improper hazardous waste management during the inspection, as well as the type of violations observed, are consistent with employees not receiving adequate training on hazardous waste management procedures. The Manager and Supervisor Training Guide and the Emergency Response Team Training Guide provided to the inspector for review of facility training procedures did not include any hazardous waste management training.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	92285
Site Name:	ANDPAK, INC.
Violation Date:	11-15-2019
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 12/11/2019. Update submitted Hazardous Materials Inventory to include a trade secret disclosure form (https://calepa.ca.gov/cupa/publications/) for each material reported to be a trade secret (6 total). Update submitted Hazardous Materials Inventory to correct reported units to indicate in what state they are being stored in: gases= cubic ft., liquids = gal, solids = lbs (see liquid nitrogen, Dymel-134, Dymel-152, Dymel Ether). Update to reflect that compressed gases are stored at above ambient pressures.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	92285
Site Name:	ANDPAK, INC.
Violation Date:	10-05-2015
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violation Notes: Returned to compliance on 11/09/2015.

Facility

compiles checklists for information covered in employee training sessions for each employee in attendance. Training sessions include hazardous waste management training for a small number of staff, emergency response training for the emergency response team, and HazComm training for all staff. The employee training records do not include all of the required information, such as job title and written job description. Documents confirm that hazardous waste training is not provided to all staff that have a position that has hazardous waste management responsibility.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 07-02-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of Annual Report. Due 7/1/1999
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
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 11/09/2015. Employee emergency response training was reviewed during the inspection. Not all employees have received emergency response training and employee training documentation is inadequately documented.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Description:

RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General

Violation Notes:

Returned to compliance on 11/09/2015.

Unsealed

containers that are contaminated with solvents, flammable liquids, waste paints, and other hazardous wastes are accumulated in open areas and on pallets throughout the facility prior to select staff sorting the containers for disposal, making empty container determinations, and conducting container emptying practices (pursuant to CCR 66261.7). Flammable liquids and solvents are able to evaporate and hazardous liquids are able to solidify during this accumulation process.

Containers that are determined to be empty are recycled as non-hazardous waste and drums are returned to manufacturer. In addition to the above practice, contaminated containers >5 gallons are being crushed for hazardous waste disposal. Treatment means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained [Truncated]

Violation Division:

Santa Clara County Environmental Health

Violation Program:

HWLQG

Violation Source:

CERS,

Site ID:

92285

Site Name:

ANDPAK, INC.

Violation Date:

10-05-2015

Citation:

22 CCR 15 66265.177 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.177

Violation Description:

Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; 3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.

Violation Notes:

Returned to compliance on 11/09/2015.

-Facility

collects contaminated containers on pallets in Area H, the Contaminated Container Accumulation Area next to Area H, and Area D/E (Hazardous Waste Collection Area), and other areas throughout the facility for subsequent sorting, empty container determinations, and container emptying practices (pursuant to 66261.7) by selected staff. Sorting and emptying occurs approximately every two days or on an as needed basis. Accumulated containers are contaminated with incompatible materials, including but not limited to catalyst epoxy, base epoxy, solvents, acids (chromic acid, MEK, Toluene), and bases. Container collection areas are hazardous waste storage areas. Any containers and hazardous waste that is accumulated must be managed per hazardous waste requirements, including separation of incompatible materials. -Unlabeled, white buckets containing contaminated debris are located throughout the [Truncated]

Violation Division:

Santa Clara County Environmental Health

Violation Program:

HWLQG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if the waste generated is a hazardous waste.
Violation Notes: Returned to compliance on 11/25/2019. FOUR 55 GALLON DRUMS CONTAINING OFF SPEC GREASE LOCATED IN THE HAZARDOUS WASTE CENTRAL ACCUMULATION AREA WERE AWAITING HAZARDOUS WASTE DETERMINATIONS. IN SPEAKING WITH MR. PATRICK BRUNDAGE- ANDPAK EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR AND MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT THE FOUR DRUMS OF OFF SPEC GREASE WERE THERE FOR OVER THREE MONTHS DUE TO A CHANGE IN ENVIRONMENTAL WASTE CONTRACTORS. I EXPLAINED TO THEM THEY WERE A LARGE QUANTITY HAZARDOUS WASTE GENERATOR AND HAZARDOUS WASTE DETERMINATIONS MUST BE MADE IN A TIMELY MANNER. IMMEDIATELY EXPEDITE THE HAZARDOUS WASTE DETERMINATION ON THE MATERIAL IN THESE FOUR 55 GALLON DRUMS CONTAINING THE OFF SPEC GREASE. PROVIDE THE HAZARDOUS WASTE DETERMINATIONS TO HMCDC WITHIN 30 DAYS.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/09/2015.

_____ Facility
could not provide documentation of accumulation dates for universal waste and confirmed that universal waste has been picked up approximately twice since the facility opened in 99.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/09/2015.

_____ Facility s
universal waste in the universal waste accumulation area was not labeled per the requirements of CCR 66273.34. Computers, keyboards, used batteries, and universal waste lamps were observed on-site. Electronic waste (ex. computers, keyboards, etc.) must be labeled as Universal Waste-Electronic Device(s). Universal waste lamps (ex. fluorescent lamps) must be labeled as Universal Waste-Lamp(s) . Used

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

batteries or a container for used batteries must be labeled as Universal Waste-Battery(ies).

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/09/2015.

Facility s

laboratory (Area L-2, Product Support) conducts experiments for quality assurance. Small scale experiments are conducted and hazardous waste streams are generated from the use of titrators, constant temperature baths, spray booths, autoclaves, density meters, corrosivity tests, and beaker experiments in the fume hood. Acids, bases, and product samples of varied composition are used in the laboratory. 2 x very small, open red cans (~15 oz.) labeled oily waste were observed in one fume hood of the laboratory. Employees stated that flammable waste solvent and samples from the constant temperature bath go into the two small, red cans. All other hazardous waste streams are disposed of in the hazardous waste accumulation area across the facility (Area D/E) on an as needed basis. The small, red cans are emptied into the facility s hazardous waste accumulation area when full. Please provide [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 11/09/2015. - Facility did not provide property owner information on Facility Information Page. - The phone number for Patrick Brundage, EH&S Manager, is incorrect.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 07-01-2007
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failed to submit 2006-2007 annual report
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 11/09/2015.

Large bins in the Haz. Mat. Loading and Unloading Area were labeled "Contaminated Recycling." The facility confirmed that the bins were for containers emptied pursuant to 66261.7 (CA-Empty Standards) and are sent for recycling. Several containers in the "Contaminated Containers - Epoxy Part A and Syringes" bin contained a scrapable amount of residue.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
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 11/09/2015. Facility's site map does not have the location of emergency response equipment depicted and does not contain a north orientation.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)

Violation Description: Failure to properly complete the Hazardous Waste manifest.
Violation Notes: Returned to compliance on 11/09/2015.

Facility identified Used Oil as a Non D.O.T. Regulated Material on Manifest #007085607FLE (1/3/2014). Used Oil is a non-RCRA Hazardous waste, liquid and must be labeled accordingly on all manifests. Grease is labeled as a Non D.O.T. Regulated Material on Manifest #007085605FLE (1/3/2014), but is identified with California hazardous waste code: 352. Ensure that all waste streams are properly identified with correct waste names and waste codes.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Description: Chapter 12, Section(s) 66262.23(a)(4)
Failure to send hazardous waste manifest copies to DTSC.
Violation Notes: Returned to compliance on 11/09/2015.

Manifest
#013499858JJK (12/29/2014) was reviewed at facility, but a copy of the manifest was not submitted to DTSC. No TSDF copy of manifest #013499858JJK (12/29/2014) was available for review at facility at the time of inspection. If facility did not receive a TSDF copy, an exception report must be submitted to DTSC within 45 days of the waste shipment.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 11/09/2015. Facility did not submit an Emergency Response/Contingency Plan with their HMBP submittal. Facility was informed in July, 2015 that a Emergency Response Plan was required and did not update HMBP submittal with the required information.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 11/09/2015.

-Yellow
bins labeled Contaminated Paper and Gloves, Base Only, red bins labeled Contaminated Paper and Gloves, Catalyst Only, and unlabeled white buckets containing contaminated paper and gloves waste were located throughout the entire facility. Both yellow and red bins are not constructed with closable lids, which require the bins to remain open at all times. The white buckets did not contain a lid and remained open at all times. -In the Automated Production Area, 2 x 5 gallon buckets of contaminated packets did not contain a lid and remained open at all times. -In Area L-3 (Second Production Area), 5 gallon buckets that contained a mixture of Waste Epoxy were open. - Contaminated Container accumulation areas located throughout the facility remain open at all times. NOTES: - Waste Ink containers may remain open when ink coaters are in use, but must be closed when equipment is not being [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 08-02-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure of a Tier I qualified facility to have a completed SPCC Plan.
Violation Notes: Returned to compliance on 11/25/2019. SPCC plan provided did not include a completed "Section A" (required to be completed by all onshore non-production facilities). Additional clarifications needed in Table G-4, with reference to both Attachment 3.1 (inspection log) and 3.4 (training log)
Violation Division: Santa Clara County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/09/2015.

Universal

waste lamps are leaned up against the wall without any containment in the Universal Waste accumulation area and electronic waste is stored on pallets without any other mode of containment. Ensure that Universal Waste is stored in a manner that prevents breakage in accordance with 66273.33 and 66273.33.5.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 12/11/2019. Facility last submitted a complete Hazardous Materials Business Plan on 5/22/2018. Ensure to review and resubmit a complete HMBP on an annual basis.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Notes:

Waste, and starting accumulation date.
Returned to compliance on 11/09/2015.

Yellow

Violation Division:
Violation Program:
Violation Source:

bins for Contaminated Paper and Gloves, Base Only, red bins for Contaminated Paper and Gloves, Catalyst Only, and unidentified white buckets observed to hold contaminated paper and gloves are located throughout the entire facility. The yellow and red bins are labeled with the name of the contents and no other hazardous waste label information and the white buckets are unlabeled. The following containers were labeled with the Name of Contents, but no other hazardous waste label information was posted: - In the Automated Production Area, 2 x 5 gallon buckets of contaminated packets - In Area L-3 (Second Production Area), 5 gallon buckets that contained a mixture of Waste Epoxy - Waste Ink containers located throughout the entire facility. - 1 x box of Contaminated Containers in Silk Screen Area. Current system of collecting contaminated containers on pallets and in boxes does not meet the [Truncated]
Santa Clara County Environmental Health
HWLQG
CERS,

Site ID:
Site Name:
Violation Date:
Citation:

92285
ANDPAK, INC.
10-05-2015
22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52

Violation Description:

Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) A description of arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) All names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates; 4) A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan is to describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires); 6) The current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this chapter.

Violation Notes:

Returned to compliance on 11/09/2015.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

	contingency plan did not contain the addresses of the Emergency Coordinator (Primary & Descending List of Alternates), description of arrangements agreed to by local departments (Police, Fire, Hospitals, Contractors, State & Local Emergency Response), and Emergency Equipment Information (location, physical description, brief outline of capabilities) for fire extinguishing systems, spill control equipment, and all decontamination equipment.	Facility s
Violation Division:	Santa Clara County Environmental Health	
Violation Program:	HWLQG	
Violation Source:	CERS,	
Site ID:	92285	
Site Name:	ANDPAK, INC.	
Violation Date:	10-05-2015	
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple	
Violation Description:	RCRA Large Quantity Generator Program - Administration/Documentation - General	
Violation Notes:	Returned to compliance on 11/09/2015. Land Disposal Restrictions associated with all manifests were reviewed during the inspection. The LDR connected to the manifest did not always match the hazardous waste listed on the manifest.	
	of an LDR not matching the hazardous waste is Manifest #007568419FLE (6/23/2014). Flammable Liquids, Base (Toluene, MEK) is listed on the manifest, but the attached LDR is for Flammable Liquids-Catalyst Waste.	An example
	Ensure that all Land Disposal Restriction notifications contain the required information pursuant to CCR 66268.7 and all LDRs are accurately completed for the hazardous waste shipment.	
Violation Division:	Santa Clara County Environmental Health	
Violation Program:	HWLQG	
Violation Source:	CERS,	
Site ID:	92285	
Site Name:	ANDPAK, INC.	
Violation Date:	10-05-2015	
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple	
Violation Description:	RCRA Large Quantity Generator Program - Operations/Maintenance - General	
Violation Notes:	Returned to compliance on 11/09/2015.	
	containers and drums larger than 5 gallons are located throughout the entire facility. The majority of the drums were marked as empty, but were not marked with the date it was emptied.	Empty
Violation Division:	Santa Clara County Environmental Health	
Violation Program:	HWLQG	
Violation Source:	CERS,	
Site ID:	92285	
Site Name:	ANDPAK, INC.	
Violation Date:	11-15-2019	
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Description:	Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2) Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 12/11/2019. THE FACILITY FAILED TO SUBMIT ITS ANNUAL HAZARDOUS MATERIALS BUSINESS PLAN VIA THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM WHICH WAS DUE ON MAY 22, 2019. THE FACILITY USES IT'S HAZARDOUS MATERIALS BUSINESS PLAN TO MEET THE ANNUAL TANK STATEMENT REQUIREMENT. SUBMIT AN UPDATE HAZARDOUS MATERIALS BUSINESS PLAN WITHIN 30 DAYS TO MEET THIS ANNUAL TANK STATEMENT SUBMITTAL REQUIREMENT.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	92285
Site Name:	ANDPAK, INC.
Violation Date:	10-05-2015
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 11/09/2015. - Inspector Ray Maiden contacted Andpak, Inc. in July, 2015 about some incorrect and missing information on Andpak's Hazardous Material Inventory submittal. Andpak confirmed that the Hazardous Materials Inventory did not accurately depict the hazardous materials on-site and would update the inventory. An update of the hazardous materials inventory was never submitted. - Observations during inspection are consistent with an inaccurate hazardous materials inventory and hazardous materials are located on-site that are not included in the hazardous materials inventory. Inspection observations confirmed that facility is in the process of a large-scale inventory project. Due to the amount of hazardous materials on-site and the movement of hazardous materials throughout the facility, Andpak is currently in consultation as to the best practice for hazardous materials inventory reporting.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRP
Violation Source:	CERS,
Site ID:	92285
Site Name:	ANDPAK, INC.
Violation Date:	10-05-2015
Citation:	22 CCR 15 66265.53 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.53
Violation Description:	Failure to maintain a copy of the contingency plan and all revisions: 1) At the facility; and 2) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.
Violation Notes:	Returned to compliance on 11/09/2015.
	Contingency Plan was available on-site, but not provided to local emergency response teams.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HWLQG
Violation Source:	CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 11/09/2015.

Yellow

bins for reusable rags contaminated with base wastes and red bins for reusable rags contaminated with catalyst wastes are located throughout the entire facility. The bins are labeled with the name of the contents and the phrase empty every night and no other hazardous waste label information. Label all used rags containers with all hazardous waste label requirements: Hazardous Waste, Facility Name, Address, Name of Contents, Hazardous Properties, Physical State, and Accumulation Date.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 08-02-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: Returned to compliance on 11/25/2019. Facility was unable to locate a signed copy of the SPCC plan onsite during the inspection.

Violation Division: Santa Clara County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7

Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2) By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or remanufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Notes: has been emptied and shall be managed within one year of being emptied.
Returned to compliance on 12/11/2019. THE FACILITY DID NOT MARK A 275 GALLON POLYETHYLENE TOTE LOCATED OUTSIDE NEXT TO THE ELECTRICAL ROOM WITH THE DATE THE TOTE WAS EMPTIED. MARK THE 275 GALLON TOTE WITH THE DATE EMPTIED.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Onsite for field verification of SPCC plan. Plan provided in pdf format upon request of Dept. Plan was reviewed offsite prior to inspection. Verified that plan adequately addresses all oil storage areas. Generally, oil is stored in 55 gallon drums in room fitted with a grated trench in front of each point of egress and spill kits throughout the facility (including loading and unloading areas) -Gutters drain to in-ground concrete vault with 30,000 gallon capacity. Vault can overflow to loading dock if needed. Loading dock is equipped with a secondary trench which flows to storm water system. Loading bay trench egress to stormwater system may be controlled/limited by closing a valve located in the loading area. Valve is normally open. --Exceptions to 55 gallon general containment rule are: emergency generator (double walled belly tank, fitted with overfill and rupture basin monitoring system) and product mix tanks (double walled closed top tanks, with overfill provided [Truncated])

Eval Division: Santa Clara County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: A ABOVEGROUND PETROLEUM STORAGE ACT COMPLIANCE INSPECTION WAS CONDUCTED TODAY WITH MR. PATRICK BRUNDAGE-ANDPAK INC. EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR, MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT AND YONI FAJARDO-HMCD HAZARDOUS MATERIALS SPECIALIST. THE FACILITY IS A CHEMICAL REPACKAGING AND REFORMULATION FACILITY THAT HAS ABOVEGROUND PETROLEUM STORAGE ON SITE. THE FACILITY IS A TIER ONE SPCC QUALIFIED FACILITY THAT HAS UNDER 10,000 GALLONS OF PETROLEUM STORAGE. THE FACILITY USED THE EPA TIER I QUALIFIED SPCC PLAN TEMPLATE. THE FACILITY LAST UPDATED ITS SPCC TIER 1 TEMPLATE PLAN ON NOVEMBER 14, 2019 AND IT WAS SIGNED BY FACILITY MANAGEMENT. THE DESIGNATED SPCC MANAGER IS MR. PATRICK BRUNDAGE (ANDPAK EH&S MANAGER). ALL EMEPLOYEE AND REGULATORY EMERGENCY CONTACT INFORMATION WAS CURRENT IN THE SPCC PLAN. EXCEPT FOR A 400 GALLON DIESEL EMERGENCY GENERATOR ALL PETROLEUM STORAGE SUBJECT TO APSA IS STORED IN SEALED 55 GALLON [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility is a chemical blending, reformulating, and repackaging plant that specializes in solvents, adhesives, epoxys, aerosols, flammable paints, surfactants, and corrosion inhibitors. Facility is comprised of QA laboratories, automated production rooms, staffed production rooms, a machine shop, a silk screen area, an aerosol blending and production area, a flammable paint blending area, multiple chemical blending rooms, a clean room (not currently used as a clean room), and several, large warehouse rooms and storage areas. The current number of hazardous materials on-site is unknown, but a review of the hazardous materials inventory submitted on 4/15/2015 and observations made during the inspection predict that approximately 180 hazardous materials/wastes located on-site. NOTES: - CERS ID: 10076206 - Facility's last HMBP submittal was 4/15/2015. - Facility was contacted about inaccurate and missing information in their HMBP submittal in July, 2015 by Inspector, [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility is a chemical blending, reformulating, and repackaging plant that specializes in solvents, adhesives, epoxys, aerosols, flammable paints, surfactants, and corrosion inhibitors. Facility is comprised of QA laboratories, automated production rooms, staffed production rooms, a machine shop, a silk screen area, an aerosol blending and production area, a flammable paint blending area, multiple chemical blending rooms, a clean room (not currently used as a clean room), and several, large warehouse rooms and storage areas. The following waste streams are generated by the facility on a regular basis: -Waste Flammable Liquids (Toluene, Methyl Ethyl Ketone) -Waste Flammable Liquids, Corrosive Methyl Ethyl Ketone, Trimethylhexamethylenediamine) -Waste Toxic Liquids (Dichlorofluoroethane, Methylene Chloride) -Hazardous Waste Liquid - Chromic Acid (Water Waste) -Crushed, Empty Containers (glass) contaminated with resin -Paper Waste contaminated with catalyst -Paper [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A RCRA LARGE QUANTITY HAZARDOUS WASTE GENERATOR COMPLIANCE INSPECTION WAS CONDUCTED TODAY WITH MR. PATRICK BRUNDAGE-ANDPAK INC. EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR, MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT AND YONI FAJARDO-HMCD HAZARDOUS MATERIALS SPECIALIST. THE FACILITY IS A CHEMICAL BLENDING, REFORMULATING AND REPACKAGING COMPANY THAT SPECIALIZES IN SOLVENTS AND IS A RCRA LARGE QUANTITY GENERATOR. THIS RCRA LQG STATUS WAS VERIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

BY REVIEWING THE FACILITIES LAST BI-ANNUAL HAZARDOUS WASTE GENERATOR REPORT SUBMITTED TO DTSC IN FISCAL YEAR 2017 AND A COMPREHENSIVE REVIEW OF THE LAST THREE YEARS WORTH GENERATED HAZARDOUS WASTE (FISCAL YEARS: 2017, 2018 AND FIRST PART OF 2019) USING THE DTSC HAZARDOUS WASTE TRACKING SYSTEM DATA BASE. THE FACILITY IS CORRECTLY PERMITTED AS A PE=LQ06 (GENERATES 5 TO 25 TONS/YR (RCRA LQG). THE FACILITIES EPA ID NUMBER (CAR000050989) WAS ACTIVE. THE COUNTY HAZARDOUS WASTE GENERATOR WAS CURRENT [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: On-site with Ruben Williams- Senior Hazardous Materials Specialist, to conduct a routine Hazardous Materials Business Plan Program inspection. Facility is a chemical packaging company. Facility walk-through was conducted with Patrick Brundage- EH&S Manager, Mussie Berham- Environmental Consultant, and John Villareal- Hazardous Materials Supervisor. CERS ID 10076206 Facility is property owner Employer provides and documents initial and annual training to all employees in emergency response and safety procedures HMBP was readily available Note: Ensure to keep Hazardous Materials Inventory up-to-date and resubmit when: 1) a 100% or more increase in the quantity of a previously disclosed material, 2) any handling of a previously undisclosed hazardous material subject to HMBP reporting, 3) a change of business address, 4) a change of business ownership, 5) a change of business name, or 6) a substantial change in the handler's operations.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 07-12-2007
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: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-05-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Enf Action Division: Santa Clara County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-05-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-25-1999
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Notice of Violation for non-submittal of Annual Report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Coordinates:

Site ID: 92285
Facility Name: ANDPAK, INC.
Env Int Type Code: SMSWIND
Program ID: 205749
Ref Point Type Desc: Unknown,
Latitude: 37.145550
Longitude: -121.658870

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Environmental Contact
Entity Name: Mussie Berhan
Affiliation Address: PO Box 1712
Affiliation City: Aptos
Affiliation State: CA
Affiliation Zip: 95001
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Entity Name: Andpak Inc
Entity Title: Operator
Affiliation Address: 400 Jarvis Dr
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Packers Partners
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Packer's Partners
Affiliation Address: 18330 Sutter Blvd.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 825-1800,

Affiliation Type Desc: Document Preparer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 400 Jarvis Dr
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Matthew Webb
Entity Title: General Manager
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Andpak Inc.
Affiliation Address: 400 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 727-2800,

Affiliation Type Desc: Operator
Entity Name: Matthew Webb
Affiliation Phone: (612) 231-0983,

Name: ANDPAK, INC.
Address: 400 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92285
CERS ID: 205749

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 10-05-2015

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 11/09/2015. Facility's Biennial Report on 2013 activities did not include all the requirements of 66262.41(b).

Facility's

Biennial Report on 2013 activities did not include the identification number, name and address for each off-site TSD in the United States to which waste was shipped during the year (CCR 66262.41(b)(3)). All applicable information was missing for Clean Harbors Aragonite LLC (EPA ID# UTD981552177) and Clean Harbors Environmental Services (EPA ID# ARD069748192). Facility's Biennial Report did not include required information for waste streams with California Hazardous Waste Category Numbers 181, 281, and 352 per CCR 66262.41(b)(5).

Submit the

report to DTSC with all required information. Forms are available at www.dtsc.ca.gov. Keep the report for at least 3 years from the due date. [CCR 66262.40, 66262.41]

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 10-05-2015

Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11

Violation Description: Failure to determine if the waste generated is a hazardous waste.

Violation Notes: Returned to compliance on 11/09/2015.

-A

container of an unknown liquid was observed in the fume hood of the mining cylinder production location in Area D/E. -Dark, brown-gray sludge and an unidentified tray of liquid were observed under the water bath in Area D/E. -White powder was observed on the floor, in the fume hood, and on equipment in the Clean Room. -A 55 gallon drum labeled Contaminated Plant Food and particulate rinse water from bottle filler equipment was observed in Area G. _____ - Area G and Area C contained containers labeled as Material Under Review: Not for Production. The facility confirmed that the material is expired/no longer meets production standards and is currently deciding if the material has a secondary use. Ensure that materials are not being accumulated speculatively (CCR 66260.10). If materials can be used or are determined to be a retrograde material, provide inspector with documentation of their [Truncated]

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 10-05-2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 11/09/2015. Facility failed to notify the Department of aerosol can puncturing.

Puncturing

of aerosol cans for the purpose of disposal is allowed, but notifying the Department of this practice is required. A template outlining the required notification information will be provided to the facility by the inspector.

Submit an

aerosol can puncturing notification pursuant to the requirements outlined in 25201.16(j).

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 10-05-2015

Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violation Notes: Returned to compliance on 11/09/2015.

Observations of improper hazardous waste management during the inspection, as well as the type of violations observed, are consistent with employees not receiving adequate training on hazardous waste management procedures. The Manager and Supervisor Training Guide and the Emergency Response Team Training Guide provided to the inspector for review of facility training procedures did not include any hazardous waste management training.

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
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 12/11/2019. Update submitted Hazardous Materials Inventory to include a trade secret disclosure form (<https://calepa.ca.gov/cupa/publications/>) for each material reported to be a trade secret (6 total). Update submitted Hazardous Materials Inventory to correct reported units to indicate in what state they are being stored in: gases= cubic ft., liquids = gal, solids = lbs (see liquid nitrogen, Dymel-134, Dymel-152, Dymel Ether). Update to reflect that compressed gases are stored at above ambient pressures.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes: Returned to compliance on 11/09/2015.

____ Facility
compiles checklists for information covered in employee training sessions for each employee in attendance. Training sessions include hazardous waste management training for a small number of staff, emergency response training for the emergency response team, and HazComm training for all staff. The employee training records do not include all of the required information, such as job title and written job description. Documents confirm that hazardous waste training is not provided to all staff that have a position that has hazardous waste management responsibility.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 07-02-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of Annual Report. Due 7/1/1999
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
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 11/09/2015. Employee emergency response training was reviewed during the inspection. Not all employees have received emergency response training and employee training documentation is inadequately documented.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 11/09/2015.

Unsealed

containers that are contaminated with solvents, flammable liquids, waste paints, and other hazardous wastes are accumulated in open areas and on pallets throughout the facility prior to select staff sorting the containers for disposal, making empty container determinations, and conducting container emptying practices (pursuant to CCR 66261.7). Flammable liquids and solvents are able to evaporate and hazardous liquids are able to solidify during this accumulation process. Containers that are determined to be empty are recycled as non-hazardous waste and drums are returned to manufacturer. In addition to the above practice, contaminated containers >5 gallons are being crushed for hazardous waste disposal. Treatment means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.177 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.177

Violation Description: Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; 3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.

Violation Notes: Returned to compliance on 11/09/2015.

-Facility

collects contaminated containers on pallets in Area H, the Contaminated Container Accumulation Area next to Area H, and Area D/E (Hazardous Waste Collection Area), and other areas throughout the facility for subsequent sorting, empty container determinations, and container emptying practices (pursuant to 66261.7) by selected staff. Sorting and emptying occurs approximately every two days or on an as needed basis. Accumulated containers are contaminated with incompatible materials, including but not limited to catalyst epoxy, base epoxy, solvents, acids (chromic acid, MEK, Toluene), and bases. Container collection areas are hazardous waste storage areas. Any containers and hazardous waste that is accumulated must be managed per hazardous waste requirements, including separation of incompatible materials. -Unlabeled, white buckets containing contaminated debris are located throughout the [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11

Violation Description: Failure to determine if the waste generated is a hazardous waste.
Violation Notes: Returned to compliance on 11/25/2019. FOUR 55 GALLON DRUMS CONTAINING OFF SPEC GREASE LOCATED IN THE HAZARDOUS WASTE CENTRAL ACCUMULATION AREA WERE AWAITING HAZARDOUS WASTE DETERMINATIONS. IN SPEAKING WITH MR. PATRICK BRUNDAGE- ANDPAK EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR AND MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT THE FOUR DRUMS OF OFF SPEC GREASE WERE THERE FOR OVER THREE MONTHS DUE TO A CHANGE IN ENVIRONMENTAL WASTE CONTRACTORS. I EXPLAINED TO THEM THEY WERE A LARGE QUANTITY HAZARDOUS WASTE GENERATOR AND HAZARDOUS WASTE DETERMINATIONS MUST BE MADE IN A TIMELY MANNER. IMMEDIATELY EXPEDITE THE HAZARDOUS WASTE DETERMINATION ON THE MATERIAL IN THESE FOUR 55 GALLON DRUMS CONTAINING THE OFF SPEC GREASE. PROVIDE THE HAZARDOUS WASTE DETERMINATIONS TO HMCDC WITHIN 30 DAYS.

Violation Division: Santa Clara County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance -
General
Violation Notes: Returned to compliance on 11/09/2015.

Facility

could not provide documentation of accumulation dates for universal
waste and confirmed that universal waste has been picked up
approximately twice since the facility opened in 99.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance -
General
Violation Notes: Returned to compliance on 11/09/2015.

Facility s

universal waste in the universal waste accumulation area was not
labeled per the requirements of CCR 66273.34. Computers, keyboards,
used batteries, and universal waste lamps were observed on-site.
Electronic waste (ex. computers, keyboards, etc.) must be labeled as
Universal Waste-Electronic Device(s). Universal waste lamps (ex.
fluorescent lamps) must be labeled as Universal Waste-Lamp(s) . Used
batteries or a container for used batteries must be labeled as
Universal Waste-Battery(ies).

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance -
General
Violation Notes: Returned to compliance on 11/09/2015.

Facility s

laboratory (Area L-2, Product Support) conducts experiments for
quality assurance. Small scale experiments are conducted and hazardous
waste streams are generated from the use of titrators, constant
temperature baths, spray booths, autoclaves, density meters,
corrosivity tests, and beaker experiments in the fume hood. Acids,
bases, and product samples of varied composition are used in the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

laboratory. 2 x very small, open red cans (~15 oz.) labeled oily waste were observed in one fume hood of the laboratory. Employees stated that flammable waste solvent and samples from the constant temperature bath go into the two small, red cans. All other hazardous waste streams are disposed of in the hazardous waste accumulation area across the facility (Area D/E) on an as needed basis. The small, red cans are emptied into the facility s hazardous waste accumulation area when full. Please provide [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 11/09/2015. - Facility did not provide property owner information on Facility Information Page. - The phone number for Patrick Brundage, EH&S Manager, is incorrect.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 07-01-2007
Citation: 2014-0057-DWQ - Industrial General Permit

Violation Description: SW - Late Report
Violation Notes: Failed to submit 2006-2007 annual report

Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General

Violation Notes: Returned to compliance on 11/09/2015.

Large bins in the Haz. Mat. Loading and Unloading Area were labeled "Contaminated Recycling." The facility confirmed that the bins were for containers emptied pursuant to 66261.7 (CA-Empty Standards) and are sent for recycling. Several containers in the "Contaminated Containers - Epoxy Part A and Syringes" bin contained a scrapable amount of residue.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Date: 10-05-2015
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 11/09/2015. Facility's site map does not have the location of emergency response equipment depicted and does not contain a north orientation.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description: Failure to properly complete the Hazardous Waste manifest.
Violation Notes: Returned to compliance on 11/09/2015.

Facility

identified Used Oil as a Non D.O.T. Regulated Material on Manifest #007085607FLE (1/3/2014). Used Oil is a non-RCRA Hazardous waste, liquid and must be labeled accordingly on all manifests. Grease is labeled as a Non D.O.T. Regulated Material on Manifest #007085605FLE (1/3/2014), but is identified with California hazardous waste code: 352. Ensure that all waste streams are properly identified with correct waste names and waste codes.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send hazardous waste manifest copies to DTSC.
Violation Notes: Returned to compliance on 11/09/2015.

Manifest

#013499858JJK (12/29/2014) was reviewed at facility, but a copy of the manifest was not submitted to DTSC. No TSDF copy of manifest #013499858JJK (12/29/2014) was available for review at facility at the time of inspection. If facility did not receive a TSDF copy, an exception report must be submitted to DTSC within 45 days of the waste shipment.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Notes: hazardous material.
Returned to compliance on 11/09/2015. Facility did not submit an Emergency Response/Contingency Plan with their HMBP submittal. Facility was informed in July, 2015 that a Emergency Response Plan was required and did not update HMBP submittal with the required information.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 11/09/2015.

-Yellow

bins labeled Contaminated Paper and Gloves, Base Only, red bins labeled Contaminated Paper and Gloves, Catalyst Only, and unlabeled white buckets containing contaminated paper and gloves waste were located throughout the entire facility. Both yellow and red bins are not constructed with closable lids, which require the bins to remain open at all times. The white buckets did not contain a lid and remained open at all times. -In the Automated Production Area, 2 x 5 gallon buckets of contaminated packets did not contain a lid and remained open at all times. -In Area L-3 (Second Production Area), 5 gallon buckets that contained a mixture of Waste Epoxy were open. - Contaminated Container accumulation areas located throughout the facility remain open at all times. NOTES: - Waste Ink containers may remain open when ink coaters are in use, but must be closed when equipment is not being [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 08-02-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure of a Tier I qualified facility to have a completed SPCC Plan.

Violation Notes: Returned to compliance on 11/25/2019. SPCC plan provided did not include a completed "Section A" (required to be completed by all onshore non-production facilities). Additional clarifications needed in Table G-4, with reference to both Attachment 3.1 (inspection log) and 3.4 (training log)

Violation Division: Santa Clara County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 11/09/2015.

Universal

waste lamps are leaned up against the wall without any containment in the Universal Waste accumulation area and electronic waste is stored on pallets without any other mode of containment. Ensure that Universal Waste is stored in a manner that prevents breakage in accordance with 66273.33 and 66273.33.5.

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 11-15-2019

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Returned to compliance on 12/11/2019. Facility last submitted a complete Hazardous Materials Business Plan on 5/22/2018. Ensure to review and resubmit a complete HMBP on a annual basis.

Violation Division: Santa Clara County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 92285

Site Name: ANDPAK, INC.

Violation Date: 10-05-2015

Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 11/09/2015.

Yellow

bins for Contaminated Paper and Gloves, Base Only, red bins for Contaminated Paper and Gloves, Catalyst Only, and unidentified white buckets observed to hold contaminated paper and gloves are located throughout the entire facility. The yellow and red bins are labeled with the name of the contents and no other hazardous waste label information and the white buckets are unlabeled. The following containers were labeled with the Name of Contents, but no other hazardous waste label information was posted: - In the Automated Production Area, 2 x 5 gallon buckets of contaminated packets - In Area L-3 (Second Production Area), 5 gallon buckets that contained a mixture of Waste Epoxy - Waste Ink containers located throughout the entire facility. - 1 x box of Contaminated Containers in Silk Screen Area. Current system of collecting contaminated containers on pallets and in boxes does not meet the [Truncated]

Violation Division: Santa Clara County Environmental Health

Violation Program: HWLQG

Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52

Violation Description: Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) A description of arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) All names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates; 4) A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan is to describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires); 6) The current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this chapter.

Violation Notes: Returned to compliance on 11/09/2015.

Facility s

contingency plan did not contain the addresses of the Emergency Coordinator (Primary & Descending List of Alternates), description of arrangements agreed to by local departments (Police, Fire, Hospitals, Contractors, State & Local Emergency Response), and Emergency Equipment Information (location, physical description, brief outline of capabilities) for fire extinguishing systems, spill control equipment, and all decontamination equipment.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 11/09/2015. Land Disposal Restrictions

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

associated with all manifests were reviewed during the inspection. The LDR connected to the manifest did not always match the hazardous waste listed on the manifest.

_____ An example of an LDR not matching the hazardous waste is Manifest #007568419FLE (6/23/2014). Flammable Liquids, Base (Toluene, MEK) is listed on the manifest, but the attached LDR is for Flammable Liquids-Catalyst Waste.

_____ Ensure that all Land Disposal Restriction notifications contain the required information pursuant to CCR 66268.7 and all LDRs are accurately completed for the hazardous waste shipment.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 11/09/2015.

_____ Empty containers and drums larger than 5 gallons are located throughout the entire facility. The majority of the drums were marked as empty, but were not marked with the date it was emptied.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)

Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.

Violation Notes: Returned to compliance on 12/11/2019. THE FACILITY FAILED TO SUBMIT ITS ANNUAL HAZARDOUS MATERIALS BUSINESS PLAN VIA THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM WHICH WAS DUE ON MAY 22, 2019. THE FACILITY USES IT'S HAZARDOUS MATERIALS BUSINESS PLAN TO MEET THE ANNUAL TANK STATEMENT REQUIREMENT. SUBMIT AN UPDATE HAZARDOUS MATERIALS BUSINESS PLAN WITHIN 30 DAYS TO MEET THIS ANNUAL TANK STATEMENT SUBMITTAL REQUIREMENT.

Violation Division: Santa Clara County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Notes: at or above reportable quantities.
Returned to compliance on 11/09/2015. - Inspector Ray Maiden contacted Andpak, Inc. in July, 2015 about some incorrect and missing information on Andpak's Hazardous Material Inventory submittal. Andpak confirmed that the Hazardous Materials Inventory did not accurately depict the hazardous materials on-site and would update the inventory. An update of the hazardous materials inventory was never submitted. - Observations during inspection are consistent with an inaccurate hazardous materials inventory and hazardous materials are located on-site that are not included in the hazardous materials inventory. Inspection observations confirmed that facility is in the process of a large-scale inventory project. Due to the amount of hazardous materials on-site and the movement of hazardous materials throughout the facility, Andpak is currently in consultation as to the best practice for hazardous materials inventory reporting.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: 22 CCR 15 66265.53 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.53

Violation Description: Failure to maintain a copy of the contingency plan and all revisions:
1) At the facility; and 2) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

Violation Notes: Returned to compliance on 11/09/2015.

Contingency Plan was available on-site, but not provided to local emergency response teams.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 10-05-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General

Violation Notes: Returned to compliance on 11/09/2015.

Yellow

bins for reusable rags contaminated with base wastes and red bins for reusable rags contaminated with catalyst wastes are located throughout the entire facility. The bins are labeled with the name of the contents and the phrase empty every night and no other hazardous waste label information. Label all used rags containers with all hazardous waste label requirements: Hazardous Waste, Facility Name, Address, Name of Contents, Hazardous Properties, Physical State, and Accumulation Date.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 08-02-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: Returned to compliance on 11/25/2019. Facility was unable to locate a signed copy of the SPCC plan onsite during the inspection.
Violation Division: Santa Clara County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Violation Date: 11-15-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or remanufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 12/11/2019. THE FACILITY DID NOT MARK A 275 GALLON POLYETHYLENE TOTE LOCATED OUTSIDE NEXT TO THE ELECTRICAL ROOM WITH THE DATE THE TOTE WAS EMPTIED. MARK THE 275 GALLON TOTE WITH THE DATE EMPTIED.
Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Onsite for field verification of SPCC plan. Plan provided in pdf format upon request of Dept. Plan was reviewed offsite prior to inspection. Verified that plan adequately addresses all oil storage areas. Generally, oil is stored in 55 gallon drums in room fitted with a grated trench in front of each point of egress and spill kits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

throughout the facility (including loading and unloading areas)
-Gutters drain to in-ground concrete vault with 30,000 gallon capacity. Vault can overflow to loading dock if needed. Loading dock is equipped with a secondary trench which flows to storm water system. Loading bay trench egress to stormwater system may be controlled/limited by closing a valve located in the loading area. Valve is normally open. --Exceptions to 55 gallon general containment rule are: emergency generator (double walled belly tank, fitted with overfill and rupture basin monitoring system) and product mix tanks (double walled closed top tanks, with overfill provided [Truncated])

Eval Division: Santa Clara County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: A ABOVEGROUND PETROLEUM STORAGE ACT COMPLIANCE INSPECTION WAS CONDUCTED TODAY WITH MR. PATRICK BRUNDAGE-ANDPAK INC. EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR, MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT AND YONI FAJARDO-HMCD HAZARDOUS MATERIALS SPECIALIST. THE FACILITY IS A CHEMICAL REPACKAGING AND REFORMULATION FACILITY THAT HAS ABOVEGROUND PETROLEUM STORAGE ON SITE. THE FACILITY IS A TIER ONE SPCC QUALIFIED FACILITY THAT HAS UNDER 10,000 GALLONS OF PETROLEUM STORAGE. THE FACILITY USED THE EPA TIER I QUALIFIED SPCC PLAN TEMPLATE. THE FACILITY LAST UPDATED ITS SPCC TIER 1 TEMPLATE PLAN ON NOVEMBER 14, 2019 AND IT WAS SIGNED BY FACILITY MANAGEMENT. THE DESIGNATED SPCC MANAGER IS MR. PATRICK BRUNDAGE (ANDPAK EH&S MANAGER). ALL EMEPLOYEE AND REGULATORY EMERGENCY CONTACT INFORMATION WAS CURRENT IN THE SPCC PLAN. EXCEPT FOR A 400 GALLON DIESEL EMERGENCY GENERATOR ALL PETROLEUM STORAGE SUBJECT TO APSA IS STORED IN SEALED 55 GALLON [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Facility is a chemical blending, reformulating, and repackaging plant that specializes in solvents, adhesives, epoxys, aerosols, flammable paints, surfactants, and corrosion inhibitors. Facility is comprised of QA laboratories, automated production rooms, staffed production rooms, a machine shop, a silk screen area, an aerosol blending and production area, a flammable paint blending area, multiple chemical blending rooms, a clean room (not currently used as a clean room), and several, large warehouse rooms and storage areas. The current number of hazardous materials on-site is unknown, but a review of the hazardous materials inventory submitted on 4/15/2015 and observations made during the inspection predict that approximately 180 hazardous materials/wastes located on-site. NOTES: - CERS ID: 10076206 - Facility's last HMBP submittal was 4/15/2015. - Facility was contacted about inaccurate and missing information in their HMBP submittal in July, 2015 by Inspector, [Truncated]

Eval Division: Santa Clara County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

Facility is a chemical blending, reformulating, and repackaging plant that specializes in solvents, adhesives, epoxys, aerosols, flammable paints, surfactants, and corrosion inhibitors. Facility is comprised of QA laboratories, automated production rooms, staffed production rooms, a machine shop, a silk screen area, an aerosol blending and production area, a flammable paint blending area, multiple chemical blending rooms, a clean room (not currently used as a clean room), and several, large warehouse rooms and storage areas. The following waste streams are generated by the facility on a regular basis: -Waste Flammable Liquids (Toluene, Methyl Ethyl Ketone) -Waste Flammable Liquids, Corrosive Methyl Ethyl Ketone, Trimethylhexamethylenediamine) -Waste Toxic Liquids (Dichlorofluoroethane, Methylene Chloride) -Hazardous Waste Liquid - Chromic Acid (Water Waste) -Crushed, Empty Containers (glass) contaminated with resin -Paper Waste contaminated with catalyst -Paper [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

A RCRA LARGE QUANTITY HAZARDOUS WASTE GENERATOR COMPLIANCE INSPECTION WAS CONDUCTED TODAY WITH MR. PATRICK BRUNDAGE-ANDPAK INC. EH&S MANAGER, MR. JOHN VILLAREAL-ANDPAK HAZARDOUS MATERIALS SUPERVISOR, MR. MUSSIE BERHAN- ESCS ENVIRONMENTAL CONSULTANT AND YONI FAJARDO-HMCD HAZARDOUS MATERIALS SPECIALIST. THE FACILITY IS A CHEMICAL BLENDING, REFORMULATING AND REPACKAGING COMPANY THAT SPECIALIZES IN SOLVENTS AND IS A RCRA LARGE QUANTITY GENERATOR. THIS RCRA LQG STATUS WAS VERIFIED BY REVIEWING THE FACILITIES LAST BI-ANNUAL HAZARDOUS WASTE GENERATOR REPORT SUBMITTED TO DTSC IN FISCAL YEAR 2017 AND A COMPREHENSIVE REVIEW OF THE LAST THREE YEARS WORTH GENERATED HAZARDOUS WASTE (FISCAL YEARS: 2017, 2018 AND FIRST PART OF 2019) USING THE DTSC HAZARDOUS WASTE TRACKING SYSTEM DATA BASE. THE FACILITY IS CORRECTLY PERMITTED AS A PE=LQ06 (GENERATES 5 TO 25 TONS/YR (RCRA LQG). THE FACILITIES EPA ID NUMBER (CAR000050989) WAS ACTIVE. THE COUNTY HAZARDOUS WASTE GENERATOR WAS CURRENT [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

On-site with Ruben Williams- Senior Hazardous Materials Specialist, to conduct a routine Hazardous Materials Business Plan Program inspection. Facility is a chemical packaging company. Facility walk-through was conducted with Patrick Brundage- EH&S Manager, Mussie

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Berham- Environmental Consultant, and John Villareal- Hazardous Materials Supervisor. CERS ID 10076206 Facility is property owner Employer provides and documents initial and annual training to all employees in emergency response and safety procedures HMBP was readily available Note: Ensure to keep Hazardous Materials Inventory up-to-date and resubmit when: 1) a 100% or more increase in the quantity of a previously disclosed material, 2) any handling of a previously undisclosed hazardous material subject to HMBP reporting, 3) a change of business address, 4) a change of business ownership, 5) a change of business name, or 6) a substantial change in the handler's operations.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 07-12-2007
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: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-05-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-05-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 92285
Site Name: ANDPAK, INC.
Site Address: 400 JARVIS DR
Site City: MORGAN HILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Site Zip: 95037
Enf Action Date: 10-25-1999
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Notice of Violation for non-submittal of Annual Report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Coordinates:

Site ID: 92285
Facility Name: ANDPAK, INC.
Env Int Type Code: SMSWIND
Program ID: 205749
Ref Point Type Desc: Unknown,
Latitude: 37.145550
Longitude: -121.658870

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Environmental Contact
Entity Name: Mussie Berhan
Affiliation Address: PO Box 1712
Affiliation City: Aptos
Affiliation State: CA
Affiliation Zip: 95001
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Andpak Inc
Entity Title: Operator
Affiliation Address: 400 Jarvis Dr
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Packers Partners
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Packer's Partners
Affiliation Address: 18330 Sutter Blvd.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 825-1800,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Affiliation Type Desc: Document Preparer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 400 Jarvis Dr
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Matthew Webb
Entity Title: General Manager
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Andpak Inc.
Affiliation Address: 400 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 727-2800,

Affiliation Type Desc: Operator
Entity Name: Matthew Webb
Affiliation Phone: (612) 231-0983,

Name: ADDEV VMS, INC.
Address: 400 JARVIS DR STE 120
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 601194
CERS ID: 10892815
CERS Description: Chemical Storage Facilities

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Environmental Contact
Entity Name: Mussie Berhan
Affiliation Address: PO Box 1712
Affiliation City: Aptos
Affiliation State: CA
Affiliation Zip: 95001
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDPAK, INC. (Continued)

S121794213

Affiliation Type Desc: Operator
Entity Name: Matthew Webb
Affiliation Phone: (612) 231-0983,

Affiliation Type Desc: Parent Corporation
Entity Name: Addev USA Inc
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 400 Jarvis Dr Ste 120
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Kirsten Berhan
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Matthew Webb
Affiliation Address: 400 Jarvis Dr Ste 120
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (612) 231-0983,

Affiliation Type Desc: Property Owner
Entity Name: Packers Partners
Affiliation Address: 18330 Sutter Blvd.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 825-1800,

19
WNW
1/8-1/4
0.132 mi.
696 ft.

DIE-TECH
225 COCHRANE CL # A
MORGAN HILL, CA 95037

CUPA Listings **S117892356**
N/A

Relative:
Lower

CUPA SANTA CLARA:

Actual:
361 ft.

Name: DIE-TECH
Address: 225 COCHRANE CL # A
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2201
Program Description: GENERATES WASTE OIL ONLY
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.148497
Longitude: -121.662778
Record ID: PR0419653
Facility ID: FA0277674

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIE-TECH (Continued)

S117892356

Name: DIE-TECH
Address: 225 COCHRANE CL # A
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.148497
Longitude: -121.662778
Record ID: PR0437253
Facility ID: FA0277674

D20
North
1/8-1/4
0.140 mi.
738 ft.

AMERICAL TOOLING, INC
385 WOODVIEW AV STE 200
MORGAN HILL, CA 95037

CUPA Listings
HAZNET
HWTS

S121472617
N/A

Site 1 of 6 in cluster D

Relative:
Higher
Actual:
364 ft.

CUPA SANTA CLARA:
Name: AMERICAL TOOLING, INC
Address: 385 WOODVIEW AV STE 200
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.150151
Longitude: -121.660657
Record ID: PR0368675
Facility ID: FA0255005

HAZNET:

Name: NEUTRONIX QUINTEL
Address: 385 WOODVIEW AVE #200
City,State,Zip: MORGAN HILL, CA 95037
Contact: KRIS BISSON
Telephone: 4087765190
Mailing Address: 385 WOODVIEW AVE #200

Year: 2017
Gepaid: CAL000425536
TSD EPA ID: CAD044429835
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.1

Additional Info:

Year: 2017
Gen EPA ID: CAL000425536

Shipment Date: 20170919
Creation Date: 10/5/2018 18:30:23
Receipt Date: 20171009
Manifest ID: 006160875SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAL TOOLING, INC (Continued)

S121472617

Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID: UTD991301748
Trans Name: CLEAN HARBORS GRASSY MOUNTAIN
Waste Code Description: 352 - Other organic solids
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P

Shipment Date: 20170905
Creation Date: 5/30/2018 18:32:48
Receipt Date: 20170925
Manifest ID: 006160640SKS
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: CAD044429835
Trans Name: CLEAN HARBORS OF WILMINGTON LLC
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
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

HWTS:

Name: NEUTRONIX QUINTEL
Address: 385 WOODVIEW AVE #200
City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000425536
Inactive Date: 06/30/2017
Create Date: 03/10/2017
Mailing Address: 385 WOODVIEW AVE #200
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: ARNOLD INDUSTRIES
Owner Address: 385 WOODVIEW AVE #200
Owner City,State,Zip: MORGAN HILL, CA 95037
Contact Name: KRIS BISSON
Contact Address: 385 WOODVIEW AVE #200
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 37.149678
Longitude: -121.660857

NAICS:

EPA ID: CAL000425536
Create Date: 2017-03-10 10:35:07.497
NAICS Code: 322222
NAICS Description: Coated and Laminated Paper Manufacturing
Issued EPA ID Date: 2017-03-10 10:35:07.46300
Inactive Date: 2017-06-30 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAL TOOLING, INC (Continued)

S121472617

Facility Name: NEUTRONIX QUINTEL
Facility Address: 385 WOODVIEW AVE #200
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 95037

D21
North
1/8-1/4
0.144 mi.
758 ft.

NATSTEEL ELECTRONICS
389 WOODVIEW AV
MORGAN HILL, CA 95037

Site 2 of 6 in cluster D

CUPA Listings **S121471830**
N/A

Relative: CUPA SANTA CLARA:
Higher Name: NATSTEEL ELECTRONICS
Address: 389 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.150215
Longitude: -121.660653
Record ID: PR0365108
Facility ID: FA0251269

E22
NNW
1/8-1/4
0.144 mi.
761 ft.

PEGA PRECISION INC.
18800 ADAMS CT
MORGAN HILL, CA 95037

Site 1 of 5 in cluster E

CERS HAZ WASTE **S121788032**
CERS **N/A**

Relative: CERS HAZ WASTE:
Lower Name: PEGA PRECISION INC.
Address: 18800 ADAMS CT
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 55959
CERS ID: 10458766
CERS Description: Hazardous Waste Generator

CERS:
Name: PEGA PRECISION INC.
Address: 18800 ADAMS CT
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 55959
CERS ID: 10458766
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Violation Notes: quantities.
Returned to compliance on 02/03/2016. Facility was inspected on 9/20/2013 and instructed to submit an HMBP. No HMBP has been submitted to the California Environmental Reporting System (CERS) as of 1/4/2016. Within 30 days, complete and submit the following by creating a CERS account with CERS ID: 10458766. -Facility information/ownership page -Hazardous materials inventory/site map -Emergency response plan/training plan If you would like assistance with completing and submitting your HMBP, SCC HMCD Hazardous Materials Technician Michelle Santos at (408)918-1981 or myself at (408)918-3408. - CERS website: <http://cers.calepa.ca.gov>

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-15-2020
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 01/27/2020. Observed several metal shavings outside of facility building. Side exit is about 30- feet up a potential waterway from a storm drain. Ensure that proper precautions are taken to minimize hazardous waste (in the form of metal shavings that meet hazardous waste criteria) from reaching storm drain.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
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 02/03/2016. The facility does not currently have documentation emergency response training and safety procedures training new employee and annual refresher training.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 02/03/2016. EPA ID # CAL000376696 has been

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

inactive since 9/20/2013. Per 25205.16(c) of the Health and Safety Code, EPA ID numbers must be actively maintained. A copy of DTSC FORM 1358 will be provided to Mr. Fast at the time of inspection.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 02/03/2016. Consolidated manifests for hazardous waste pick-up occurring on 9/18/2013 and 2/26/2015 are available on-site and were reviewed during the inspection. Mr. Fast stated that he believes a pick-up occurred in 2014, but does not currently have a copy of the consolidated manifest for the facility's 2014 pick-up.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/03/2016. 3 x 5 gallon containers of used coolant/oil solution, located in the accumulation area on the work floor, are un-labeled.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-15-2020
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.
Violation Notes: Returned to compliance on 01/27/2020. Facility is currently disposing of all fine particles generated from deburring operations into municipal trash. Facility is currently allowing filter from grinding machine to dry and then disposing of it into municipal trash. Determine whether wastes meet hazardous waste criteria.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with owner, Aaron Fast. The following hazardous materials/wastes in quantities above HMBP reportable thresholds: 1. Coolant/Oil Solution "in-use:" Approximately 75 gallons 2. Oxygen compressed gas cylinder: 1 x 213 cuft 3. Liquid Nitrogen dewar: 104L 4. Liquid Oxygen dewar 180L 5. Helium compressed gas cylinders: 4 x 300cuft (1200cuft total) 6. Argon compressed gas cylinders: 4 x 300 cuft (1200cuft total) It is of note that nitrogen compressed gas, Argon/CO2 compressed gas, trimix compressed gas, acetylene compressed gas, hydraulic fluid within a hydraulic fluid, and new coolant are located on-site, but in quantities below HMBP reportable thresholds.
NOTES: - CERS ID: 10458766 - The facility owner is the property owner.
Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine Hazardous Materials Business Plan inspection. Facility is a machine shop and sheet metal manufacturer, primarily working with aluminum, stainless steel, and occasionally copper. Facility has 2 CNC machines, 1 laser cutting machine, lathes, welding, and deburring area. Facility walk-through was conducted with Jose Hernandez, Manager. The following hazardous materials were observed above HMBP thresholds: In used coolant/ oil mix (in machine): ~75 gallons Oxygen: in gas cylinder ~350 cubic feet Argon: in gas cylinder 6 x 336 cubic feet = 2016 cubic feet Nitrogen: in 2 dewars (unknown amounts) Oxygen: in 2 dewars (unknown amounts) CERS ID 10458766 Facility owner is also property owner Last HMBP was submitted on 1/14/2019, facility is actively working with HMCD technician to update federal hazard classes and map.
Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine Hazardous Materials Business Plan inspection. Facility is a machine shop and sheet metal manufacturer, primarily working with aluminum, stainless steel, and occasionally copper. Facility has 2 CNC machines, 1 laser cutting machine, lathes, welding, and deburring/graining area. Facility walk-through was conducted with Jose Hernandez, Manager. Hazardous waste is primarily generated from flushing CNC machine (at least once a year) and possibly from deburring/ graining operations. State ID# CAL000376696 is active Fire extinguishers were last serviced on April 2019 Spill control was observed Scrap metal is being recycled Emergency response posting was observed Hazardous waste training is being conducted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Weekly inspections of hazardous waste containers is being conducted
Document review included hazardous waste disposal receipts for waste
coolant/ oil mix Fixed on site: G023: CONTAINER OPEN- Observed 1 x 55
gallon drum of waste oil mix [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

On-site to conduct a routine hazardous waste inspection with owner,
Aaron Fast. The facility is a precision sheet metal and machining
facility that specializes in aluminum, steel, and stainless steel
machining. Small quantities of plastic machining are also conducted
on-site. 2 x CNC machines, 1 x laser cutting machine, 1 x punch press,
and 2 x welding stations, and assorted metal-cutting equipment are
located within the facility. Hazardous waste is generated when the
used coolant/oil solutions within the CNC machines and hydraulic oil
within the punch press require replacement. Mr. Fast stated that the
CNC machines' coolant/oil solution is replaced approximately twice per
year and the punch press's hydraulic oil is replaced on an annual
basis. At the time of inspection, 3 x 5 gallon containers of used
coolant were observed in the corner of the work floor. Coarse, scrap
metal filings were observed on the facility's floor. Mr. Fast stated
that the metal filings are collected [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:

Site ID: 55959
Facility Name: Pega Precision Inc.
Env Int Type Code: HWG
Program ID: 10458766
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.149710
Longitude: -121.662270

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Aaron Fast
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Affiliation Type Desc: Identification Signer
Entity Name: Aaron Fast
Entity Title: President
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Pega Precision Inc
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Document Preparer
Entity Name: Aaron Fast
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Pega Precision Inc.
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Operator
Entity Name: Pega Precision Inc.
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Owner/Operator
Entity Name: Pega Precision Inc
Entity Title: Operator
Affiliation Address: 18800 ADAMS CT
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Parent Corporation
Entity Name: Pega Precision Inc.
Affiliation Phone: ,

Name: PEGA PRECISION INC.
Address: 18800 ADAMS CT
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 55959

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

CERS ID: 883285
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 02/03/2016. Facility was inspected on 9/20/2013 and instructed to submit an HMBP. No HMBP has been submitted to the California Environmental Reporting System (CERS) as of 1/4/2016. Within 30 days, complete and submit the following by creating a CERS account with CERS ID: 10458766. -Facility information/ownership page -Hazardous materials inventory/site map -Emergency response plan/training plan If you would like assistance with completing and submitting your HMBP, SCC HMCD Hazardous Materials Technician Michelle Santos at (408)918-1981 or myself at (408)918-3408. - CERS website: <http://cers.calepa.ca.gov>

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-15-2020
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 01/27/2020. Observed several metal shavings outside of facility building. Side exit is about 30- feet up a potential waterway from a storm drain. Ensure that proper precautions are taken to minimize hazardous waste (in the form of metal shavings that meet hazardous waste criteria) from reaching storm drain.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
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 02/03/2016. The facility does not currently have documentation emergency response training and safety procedures training new employee and annual refresher training.

Violation Division: Santa Clara County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 02/03/2016. EPA ID # CAL000376696 has been inactive since 9/20/2013. Per 25205.16(c) of the Health and Safety Code, EPA ID numbers must be actively maintained. A copy of DTSC FORM 1358 will be provided to Mr. Fast at the time of inspection.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 02/03/2016. Consolidated manifests for hazardous waste pick-up occurring on 9/18/2013 and 2/26/2015 are available on-site and were reviewed during the inspection. Mr. Fast stated that he believes a pick-up occurred in 2014, but does not currently have a copy of the consolidated manifest for the facility's 2014 pick-up.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-04-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/03/2016. 3 x 5 gallon containers of used coolant/oil solution, located in the accumulation area on the work floor, are un-labeled.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55959
Site Name: Pega Precision Inc.
Violation Date: 01-15-2020
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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Violation Notes: Returned to compliance on 01/27/2020. Facility is currently disposing of all fine particles generated from deburring operations into municipal trash. Facility is currently allowing filter from graining machine to dry and then disposing of it into municipal trash. Determine whether wastes meet hazardous waste criteria.

Violation Division: Santa Clara County Environmental Health

Violation Program: HW

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-04-2016

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with owner, Aaron Fast. The following hazardous materials/wastes in quantities above HMBP reportable thresholds: 1. Coolant/Oil Solution "in-use:" Approximately 75 gallons 2. Oxygen compressed gas cylinder: 1 x 213 cuft 3. Liquid Nitrogen dewar: 104L 4. Liquid Oxygen dewar 180L 5. Helium compressed gas cylinders: 4 x 300cuft (1200cuft total) 6. Argon compressed gas cylinders: 4 x 300 cuft (1200cuft total) It is of note that nitrogen compressed gas, Argon/CO2 compressed gas, trimix compressed gas, acetylene compressed gas, hydraulic fluid within a hydraulic fluid, and new coolant are located on-site, but in quantities below HMBP reportable thresholds. NOTES: - CERS ID: 10458766 - The facility owner is the property owner.

Eval Division: Santa Clara County Environmental Health

Eval Program: HMRRP

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-15-2020

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: On-site to conduct a routine Hazardous Materials Business Plan inspection. Facility is a machine shop and sheet metal manufacturer, primarily working with aluminum, stainless steel, and occasionally copper. Facility has 2 CNC machines, 1 laser cutting machine, lathes, welding, and deburring area. Facility walk-through was conducted with Jose Hernandez, Manager. The following hazardous materials were observed above HMBP thresholds: In used coolant/ oil mix (in machine): ~75 gallons Oxygen: in gas cylinder ~350 cubic feet Argon: in gas cylinder 6 x 336 cubic feet = 2016 cubic feet Nitrogen: in 2 dewars (unknown amounts) Oxygen: in 2 dewars (unknown amounts) CERS ID 10458766 Facility owner is also property owner Last HMBP was submitted on 1/14/2019, facility is actively working with HMCD technician to update federal hazard classes and map.

Eval Division: Santa Clara County Environmental Health

Eval Program: HMRRP

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-15-2020

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: On-site to conduct a routine Hazardous Materials Business Plan inspection. Facility is a machine shop and sheet metal manufacturer,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

primarily working with aluminum, stainless steel, and occasionally copper. Facility has 2 CNC machines, 1 laser cutting machine, lathes, welding, and deburring/graining area. Facility walk-through was conducted with Jose Hernandez, Manager. Hazardous waste is primarily generated from flushing CNC machine (at least once a year) and possibly from deburring/ graining operations. State ID# CAL000376696 is active Fire extinguishers were last serviced on April 2019 Spill control was observed Scrap metal is being recycled Emergency response posting was observed Hazardous waste training is being conducted Weekly inspections of hazardous waste containers is being conducted Document review included hazardous waste disposal receipts for waste coolant/ oil mix Fixed on site: G023: CONTAINER OPEN- Observed 1 x 55 gallon drum of waste oil mix [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous waste inspection with owner,

Aaron Fast. The facility is a precision sheet metal and machining facility that specializes in aluminum, steel, and stainless steel machining. Small quantities of plastic machining are also conducted on-site. 2 x CNC machines, 1 x laser cutting machine, 1 x punch press, and 2 x welding stations, and assorted metal-cutting equipment are located within the facility. Hazardous waste is generated when the used coolant/oil solutions within the CNC machines and hydraulic oil within the punch press require replacement. Mr. Fast stated that the CNC machines' coolant/oil solution is replaced approximately twice per year and the punch press's hydraulic oil is replaced on an annual basis. At the time of inspection, 3 x 5 gallon containers of used coolant were observed in the corner of the work floor. Coarse, scrap metal filings were observed on the facility's floor. Mr. Fast stated that the metal filings are collected [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 55959
Facility Name: Pega Precision Inc.
Env Int Type Code: HWG
Program ID: 10458766
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.149710
Longitude: -121.662270

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Aaron Fast
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Aaron Fast
Entity Title: President
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Pega Precision Inc
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Document Preparer
Entity Name: Aaron Fast
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Pega Precision Inc.
Affiliation Address: 18800 Adams Ct
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Operator
Entity Name: Pega Precision Inc.
Affiliation Phone: (408) 776-3700,

Affiliation Type Desc: Owner/Operator
Entity Name: Pega Precision Inc
Entity Title: Operator
Affiliation Address: 18800 ADAMS CT
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC. (Continued)

S121788032

Affiliation Type Desc: Parent Corporation
Entity Name: Pega Precision Inc.
Affiliation Phone: ,

E23
NNW
1/8-1/4
0.144 mi.
761 ft.

PEGA PRECISION INC
18800 ADAMS ST
MORGAN HILL, CA 95037

CUPA Listings

S114555310
N/A

Site 2 of 5 in cluster E

Relative:
Lower

CUPA SANTA CLARA:

Actual:
362 ft.

Name: PEGA PRECISION INC
Address: 18800 ADAMS ST
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 4-6 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.149709
Longitude: -121.662246
Record ID: PR0414200
Facility ID: FA0273900

Name: PEGA PRECISION INC
Address: 18800 ADAMS ST
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.149709
Longitude: -121.662246
Record ID: PR0414201
Facility ID: FA0273900

E24
NNW
1/8-1/4
0.144 mi.
761 ft.

PEGA PRECISION INC
18800 ADAMS CT
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1024835131
CAL000376696

Site 3 of 5 in cluster E

Relative:
Lower

RCRA Listings:

Actual:
362 ft.

Date Form Received by Agency: 20120726
Handler Name: PEGA PRECISION INC
Handler Address: 18800 ADAMS CT
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000376696
Contact Name: AARON FAST - OWNER
Contact Address: 18800 ADAMS CT
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-776-3700
Contact Fax: 408-776-3707
Contact Email: AARON@PEGAPRECISION.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC (Continued)

1024835131

Mailing Address:	18800 ADAMS CT
Mailing City,State,Zip:	MORGAN HILL, CA 95037
Owner Name:	PEGA PRECISION INC
Owner Type:	Other
Operator Name:	AARON FAST - OWNER
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 State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
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:	AARON FAST - OWNER
Legal Status:	Other
Owner/Operator Address:	18800 ADAMS CT
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-776-3700

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEGA PRECISION INC (Continued)

1024835131

Owner/Operator Indicator: Owner
Owner/Operator Name: PEGA PRECISION INC
Legal Status: Other
Owner/Operator Address: 18800 ADAMS CT
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-776-3700

Historic Generators:
Receive Date: 20120726
Handler Name: PEGA PRECISION INC
Federal Waste Generator Description: Not a generator, verified
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

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
WSW
1/8-1/4
0.148 mi.
783 ft.
Relative:
Lower
Actual:
359 ft.

WALMART SUPERCENTER #5766
170 COCHRANE RD
MORGAN HILL, CA 95037
Site 1 of 2 in cluster F

CERS HAZ WASTE
CUPA Listings
HAZNET
CERS
HWTS

S113178881
N/A

CERS HAZ WASTE:
Name: WALMART #5766
Address: 170 COCHRANE RD
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 407324
CERS ID: 10149235
CERS Description: Hazardous Waste Generator

CUPA SANTA CLARA:
Name: WALMART #5766
Address: 170 COCHRANE RD
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.1471686
Longitude: -121.6614032
Record ID: PR0391101
Facility ID: FA0265135

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Name: WALMART #5766
Address: 170 COCHRANE RD
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 4-6 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.1471686
Longitude: -121.6614032
Record ID: PR0392117
Facility ID: FA0265135

HAZNET:

Name: WALMART SUPERCENTER #5766
Address: 170 COCHRANE RD
City,State,Zip: MORGAN HILL, CA 950370000
Contact: ROSE ARNOLD
Telephone: 4792778972
Mailing Address: P.O. BOX 8041

Year: 2021
Gepaid: CAR000202424
TSD EPA ID: OKD065438376
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: 0.056

Year: 2021
Gepaid: CAR000202424
TSD EPA ID: CAD980884183
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Year: 2021
Gepaid: CAR000202424
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0005

Year: 2021
Gepaid: CAR000202424
TSD EPA ID: NVD980895338
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: 0.23

Year: 2021
Gepaid: CAR000202424
TSD EPA ID: OKD065438376
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)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Tons:	0.0275
Year:	2021
Gepaid:	CAR000202424
TSD EPA ID:	NVD980895338
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Year:	2021
Gepaid:	CAR000202424
TSD EPA ID:	OKD065438376
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:	0.218
Year:	2021
Gepaid:	CAR000202424
TSD EPA ID:	CAD980884183
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:	0.97
Year:	2021
Gepaid:	CAR000202424
TSD EPA ID:	OKD065438376
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:	0.001
Year:	2021
Gepaid:	CAR000202424
TSD EPA ID:	NVD980895338
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:	0.064

[Click this hyperlink](#) while viewing on your computer to access
161 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Shipment Date:	9/3/2019
Receipt Date:	10/8/2019
Manifest Number:	013417128FLE
Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037-2812

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Telephone: 844-670-2030
Contact Telephone: 916-351-0980
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD980884183
TSDF Name: GEM Rancho Cordova LLC
TSDF Address 1: 11855 White Rock Road
TSDF City: Rancho Cordova
TSDF Zip: 95742

Federal:

Year: 2020
EM Manifest ID: aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417128FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417128FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417128FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: aca42217-1b32-49f2-90ae-f54294640076

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018
Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022
Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
State:	
Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

State Code:	352
Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	aca42217-1b32-49f2-90ae-f54294640076
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03
Manifest Number:	013417128FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04150
Quantity Waste:	83.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	883119
Shipment Date:	9/3/2019
Receipt Date:	9/26/2019
Manifest Number:	013417129FLE
Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037-2812
Telephone:	844-670-2030
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 2 EPA ID:	MNS000110924
TSDf EPA ID:	NVD980895338
TSDf Name:	21st Century Environmental Management of Nevada, LLC
TSDf Address 1:	2095 Newlands Drive East
TSDf City:	Fernley
TSDf Zip:	89408
Federal:	
Year:	2020
EM Manifest ID:	883119
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 883119
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 883119
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

Year: 2020
EM Manifest ID: 883119
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U002

Year: 2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 883119
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U154

State:

Year: 2020
EM Manifest ID: 883119
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-03
Manifest Number: 013417129FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 889237
Shipment Date: 9/17/2019
Receipt Date: 10/10/2019
Manifest Number: 013417211FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 1
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

Year: 2020
EM Manifest ID: 889237

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U002

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U154

State:
Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 889237
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

State Code: 331

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Shipment Date: 9/17/2019
Receipt Date: 10/14/2019
Manifest Number: 013417210FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER NO 5766
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037
Telephone: 844-670-2030
Contact Telephone: 408-779-8172
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MOD095038998
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1: NEWLANDS DRIVE EAST
TSDF City: FERNLEY
TSDF Zip: 89408

Federal:

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D011

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D011

Year: 2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U129

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal Code: U129

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022
State:	
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06600
Quantity Waste:	132.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06600
Quantity Waste:	132.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Shipment Date:	9/17/2019
Receipt Date:	10/14/2019
Manifest Number:	013417210FLE
Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER NO 5766
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037
Telephone:	844-670-2030
Contact Telephone:	408-779-8172
Transporter 1 EPA ID:	MNS000110924
Transporter 2 EPA ID:	MOD095038998
TSDf EPA ID:	NVD980895338
TSDf Name:	21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDf Address 1:	NEWLANDS DRIVE EAST
TSDf City:	FERNLEY
TSDf Zip:	89408
Federal:	
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID:	CAR000202424
Shipment Date:	2019-09-17
Manifest Number:	013417210FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

State:
Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.06600

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste: 132.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 9937cf15-eb08-4f30-8982-59ad5de371a8
Generator EPA ID: CAR000202424
Shipment Date: 2019-09-17
Manifest Number: 013417210FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.06600
Quantity Waste: 132.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 7f54f68d-cd1e-4068-9d9b-a8163d9347c4
Shipment Date: 8/6/2020
Receipt Date: 8/27/2020
Manifest Number: 014923463FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 800-645-8265
Contact Telephone: 916-351-0980
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD980884183
TSDF Name: GEM Rancho Cordova LLC
TSDF Address 1: 11855 White Rock Road
TSDF City: Rancho Cordova
TSDF Zip: 95742

State:
Year: 2020
EM Manifest ID: 7f54f68d-cd1e-4068-9d9b-a8163d9347c4
Generator EPA ID: CAR000202424
Shipment Date: 2020-08-06
Manifest Number: 014923463FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04500
Quantity Waste: 90.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2020
EM Manifest ID: 7f54f68d-cd1e-4068-9d9b-a8163d9347c4
Generator EPA ID: CAR000202424
Shipment Date: 2020-08-06
Manifest Number: 014923463FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04500
Quantity Waste: 90.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 7f54f68d-cd1e-4068-9d9b-a8163d9347c4
Generator EPA ID: CAR000202424
Shipment Date: 2020-08-06
Manifest Number: 014923463FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.15650
Quantity Waste: 313.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 7f54f68d-cd1e-4068-9d9b-a8163d9347c4
Generator EPA ID: CAR000202424
Shipment Date: 2020-08-06
Manifest Number: 014923463FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.15650
Quantity Waste: 313.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Shipment Date: 8/6/2019
Receipt Date: 9/10/2019
Manifest Number: 013416966FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Contact Telephone: 916-351-0980
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD980884183
TSDF Name: GEM Rancho Cordova LLC
TSDF Address 1: 11855 White Rock Road
TSDF City: Rancho Cordova
TSDF Zip: 95742

Federal:

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

State:

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: f5ab1e95-7a90-4366-b60a-2b18de766e55
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-06
Manifest Number: 013416966FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.12850
Quantity Waste: 257.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2020
EM Manifest ID: 866296
Shipment Date: 8/21/2019
Receipt Date: 9/19/2019
Manifest Number: 013414435FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 1
Method Code: H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D035
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21
Manifest Number:	013414435FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	U002
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21
Manifest Number:	013414435FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	U154
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21
Manifest Number:	013414435FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01450
Quantity Waste:	29.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 013414435FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05200
Quantity Waste: 104.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05200
Quantity Waste: 104.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D006

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05200
Quantity Waste: 104.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05200
Quantity Waste: 104.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D011

Year: 2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05200
Quantity Waste: 104.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D018

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 866296
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414435FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01450
Quantity Waste: 29.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21
Manifest Number:	013414435FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.05200
Quantity Waste:	104.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	866296
Generator EPA ID:	CAR000202424
Shipment Date:	2019-08-21
Manifest Number:	013414435FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	64423947-eb45-4911-8b18-4f86a3cd740e
Shipment Date:	8/21/2019
Receipt Date:	9/17/2019
Manifest Number:	013414434FLE
Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037-2812
Telephone:	844-670-2030
Contact Telephone:	916-351-0980
Transporter 1 EPA ID:	MNS000110924
Transporter 2 EPA ID:	MNS000110924
TSDf EPA ID:	CAD980884183
TSDf Name:	GEM Rancho Cordova LLC
TSDf Address 1:	11855 White Rock Road
TSDf City:	Rancho Cordova
TSDf Zip:	95742
Federal:	
Year:	2020
EM Manifest ID:	64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID:	CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D022

State:

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00700
Quantity Waste: 14.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 64423947-eb45-4911-8b18-4f86a3cd740e
Generator EPA ID: CAR000202424
Shipment Date: 2019-08-21
Manifest Number: 013414434FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.07750
Quantity Waste: 155.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Shipment Date: 7/23/2019
Receipt Date: 8/28/2019
Manifest Number: 013416884FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Telephone: 844-670-2030
Contact Telephone: 916-351-0980
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD980884183
TSDF Name: GEM Rancho Cordova LLC
TSDF Address 1: 11855 White Rock Road
TSDF City: Rancho Cordova
TSDF Zip: 95742

Federal:

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01100
Quantity Waste: 22.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01100
Quantity Waste: 22.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01100
Quantity Waste: 22.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D011

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U129

Year: 2020
EM Manifest ID: 386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416884FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	Pounds
Federal Code:	P001
State:	
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352
Year:	
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	
Year:	2020
EM Manifest ID:	386a43e5-0e39-43d2-b0f5-d27e9186800b
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416884FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.09050

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste: 181.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Detail Two:

Year: 2019
EM Manifest ID: 525497
Shipment Date: 7/9/2019
Receipt Date: 8/9/2019
Manifest Number: 013416820FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	Pounds
Federal Code:	D018
Year:	2019
EM Manifest ID:	525497
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-09
Manifest Number:	013416820FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D035
Year:	2019
EM Manifest ID:	525497
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-09
Manifest Number:	013416820FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2019
EM Manifest ID:	525497
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-09
Manifest Number:	013416820FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U154
Year:	2019
EM Manifest ID:	525497
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-09
Manifest Number:	013416820FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

State:

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 525497
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416820FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 467355
Shipment Date: 7/9/2019
Receipt Date: 7/23/2019
Manifest Number: 013416819FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

TSD Address 1: 425 Isis Ave.
TSD City: Inglewood
TSD Zip: 90301

Federal:
Year: 2019
EM Manifest ID: 467355
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416819FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2019
EM Manifest ID: 467355
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416819FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 467355
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416819FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 467355
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-09
Manifest Number: 013416819FLE
Line Number: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Method Code:	H141
Quantity Tons:	0.04800
Quantity Waste:	96.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Shipment Date:	7/23/2019
Receipt Date:	8/19/2019
Manifest Number:	013416885FLE
Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037-2812
Telephone:	844-670-2030
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 2 EPA ID:	MNS000110924
TSDf EPA ID:	NVD980895338
TSDf Name:	21st Century Environmental Management of Nevada, LLC
TSDf Address 1:	2095 Newlands Drive East
TSDf City:	Fernley
TSDf Zip:	89408
Federal:	
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	Pounds
Federal Code:	D018
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D035
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U154
Year:	2019
EM Manifest ID:	7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID:	CAR000202424
Shipment Date:	2019-07-23
Manifest Number:	013416885FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416885FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 7f2a6404-2197-4f2c-b452-92584cf3a746
Generator EPA ID: CAR000202424
Shipment Date: 2019-07-23
Manifest Number: 013416885FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 451913
Shipment Date: 6/25/2019
Receipt Date: 7/15/2019
Manifest Number: 013416770FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF City: Inglewood
TSDF Zip: 90301

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal:

Year: 2019
EM Manifest ID: 451913
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-25
Manifest Number: 013416770FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 451913
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-25
Manifest Number: 013416770FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 451913
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-25
Manifest Number: 013416770FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 451913
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-25
Manifest Number: 013416770FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.03650
Quantity Waste: 73.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 475509
Shipment Date: 6/11/2019
Receipt Date: 6/26/2019
Manifest Number: 012433051FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF City: Inglewood
TSDF Zip: 90301

Federal:

Year: 2019
EM Manifest ID: 475509
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433051FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 475509
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433051FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

State Code: 122

Year: 2019
EM Manifest ID: 475509
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433051FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.06950
Quantity Waste: 139.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 460949
Shipment Date: 6/11/2019
Receipt Date: 7/10/2019
Manifest Number: 012433052FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U002

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U154

Year: 2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal Code: D018

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

State:
Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 460949
Generator EPA ID: CAR000202424
Shipment Date: 2019-06-11
Manifest Number: 012433052FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 400765
Shipment Date: 5/28/2019
Receipt Date: 6/17/2019
Manifest Number: 012432967FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF City: Inglewood
TSDF Zip: 90301

Federal:

Year: 2019
EM Manifest ID: 400765
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432967FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04750
Quantity Waste: 95.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 400765
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432967FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04750
Quantity Waste: 95.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 400765
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432967FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.10350
Quantity Waste: 207.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

State Code: 331

Year: 2019
EM Manifest ID: 400765
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432967FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.09300
Quantity Waste: 186.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 400765
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432967FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.02550
Quantity Waste: 51.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 418957
Shipment Date: 5/28/2019
Receipt Date: 6/27/2019
Manifest Number: 012432968FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:
Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal Code:	D035
Year:	2019
EM Manifest ID:	418957
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-28
Manifest Number:	012432968FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2019
EM Manifest ID:	418957
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-28
Manifest Number:	012432968FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U154
Year:	2019
EM Manifest ID:	418957
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-28
Manifest Number:	012432968FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	42.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	418957
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-28
Manifest Number:	012432968FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	42.000000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01200
Quantity Waste: 24.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 418957
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-28
Manifest Number: 012432968FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.02100
Quantity Waste: 42.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 232

Year: 2019
EM Manifest ID: 400751
Shipment Date: 5/14/2019
Receipt Date: 6/5/2019
Manifest Number: 012432873FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Generator EPA ID:	CAR000202424
Name:	WALMART SUPERCENTER
Address:	170 COCHRANE PLAZA
City:	MORGAN HILL
Zip:	95037
Telephone:	855-645-8265
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 2 EPA ID:	MNS000110924
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF City:	Inglewood
TSDF Zip:	90301
Federal:	
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129
Year:	2019
EM Manifest ID:	400751
Generator EPA ID:	CAR000202424
Shipment Date:	2019-05-14
Manifest Number:	012432873FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

State:

Year: 2019
EM Manifest ID: 400751
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432873FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 400751
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432873FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 400751
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432873FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 400751
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432873FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 4
Method Code: H141
Quantity Tons: 0.10500
Quantity Waste: 210.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 418939
Shipment Date: 5/14/2019
Receipt Date: 6/13/2019
Manifest Number: 012432874FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER
Address: 170 COCHRANE PLAZA
City: MORGAN HILL
Zip: 95037-2812
Telephone: 844-670-2030
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF City: Fernley
TSDF Zip: 89408

Federal:

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U002

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U154

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00800

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D005

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D018

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D022

State:
Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 232

Year: 2019
EM Manifest ID: 418939
Generator EPA ID: CAR000202424
Shipment Date: 2019-05-14
Manifest Number: 012432874FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Detail Two:

Year: 2018
EM Manifest ID: 010732482FLE20170908_D_1
Shipment Date: 9/8/2017
Receipt Date: 9/14/2017
Manifest Number: 010732482FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:

Year: 2018
EM Manifest ID: 010732482FLE20170908_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-08
Manifest Number: 010732482FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal Code:	P001
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	2
Method Code:	H121
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U154
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U154

State:

Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	2
Method Code:	H121
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010732482FLE20170908_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-08
Manifest Number:	010732482FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010732482FLE20170908_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-08
Manifest Number: 010732482FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.05550
Quantity Waste: 111.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Shipment Date: 9/19/2017
Receipt Date: 9/28/2017
Manifest Number: 010685110FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010685110FLE20170919_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-19
Manifest Number:	010685110FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010685110FLE20170919_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-19
Manifest Number:	010685110FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010685110FLE20170919_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-19
Manifest Number:	010685110FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	010685110FLE20170919_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-09-19
Manifest Number:	010685110FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U154

State:

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.06150
Quantity Waste: 123.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010685110FLE20170919_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-09-19
Manifest Number: 010685110FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 4
Method Code: H141
Quantity Tons: 0.04900
Quantity Waste: 98.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Shipment Date: 8/22/2017
Receipt Date: 8/31/2017
Manifest Number: 010685050FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: U002

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal Code: U154

State:

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010685050FLE20170822_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-22
Manifest Number: 010685050FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.06100
Quantity Waste: 122.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Shipment Date: 8/10/2017
Receipt Date: 8/17/2017
Manifest Number: 010684990FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00850

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U002

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U154

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	010684990FLE20170810_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-08-10
Manifest Number:	010684990FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U129

State:
Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00850
Quantity Waste: 17.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010684990FLE20170810_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-08-10
Manifest Number: 010684990FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.05300
Quantity Waste: 106.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Shipment Date: 7/28/2017
Receipt Date: 8/8/2017
Manifest Number: 010732197FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01150
Quantity Waste: 23.000000
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	1
Method Code:	H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28
Manifest Number:	010732197FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010732197FLE20170728_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-28

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 010732197FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: U002

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: U154

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01150
Quantity Waste: 23.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 010732197FLE20170728_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-28
Manifest Number: 010732197FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Shipment Date: 7/14/2017
Receipt Date: 7/25/2017
Manifest Number: 010732085FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Federal:

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U154
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14
Manifest Number:	010732085FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022
State:	
Year:	2018
EM Manifest ID:	010732085FLE20170714_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-07-14

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 010732085FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.07100
Quantity Waste: 142.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 010732085FLE20170714_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-07-14
Manifest Number: 010732085FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.07050
Quantity Waste: 141.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Shipment Date: 6/27/2017
Receipt Date: 7/6/2017
Manifest Number: 010075825FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDf EPA ID: NVD980895338
TSDf Name: 21ST CENTURY EMN LLC

Federal:

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01150
Quantity Waste: 23.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	010075825FLE20170627_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-27
Manifest Number:	010075825FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010075825FLE20170627_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-27
Manifest Number:	010075825FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	010075825FLE20170627_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-27
Manifest Number:	010075825FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	010075825FLE20170627_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-27
Manifest Number:	010075825FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: U154

State:

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.01300
Quantity Waste: 26.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01150
Quantity Waste: 23.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.03550
Quantity Waste: 71.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010075825FLE20170627_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-27
Manifest Number: 010075825FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Line Number: 4
Method Code: H141
Quantity Tons: 0.09900
Quantity Waste: 198.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Shipment Date: 6/12/2017
Receipt Date: 6/22/2017
Manifest Number: 010075782FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

State:
Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.05400
Quantity Waste: 108.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010075782FLE20170612_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-12
Manifest Number: 010075782FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.05800
Quantity Waste: 116.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Shipment Date: 6/1/2017
Receipt Date: 6/13/2017
Manifest Number: 010731790FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U002

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Type:	NULL
Federal Code:	U154
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U129
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D026
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P075

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.02350
Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.02350
Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.02350
Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.02350
Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D022

State:
Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.06400
Quantity Waste:	128.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	010731790FLE20170601_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2017-06-01
Manifest Number:	010731790FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.02350

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Waste: 47.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010731790FLE20170601_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2017-06-01
Manifest Number: 010731790FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.10550
Quantity Waste: 211.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 011491516FLE20180530_D_1
Shipment Date: 5/30/2018
Receipt Date: 6/14/2018
Manifest Number: 011491516FLE
Generator EPA ID: CAR000202424
Name: WALMART SUPERCENTER #5766
Transporter 1 EPA ID: MNS000110924
Transporter 2 EPA ID: NED986382133
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY EMN LLC

Federal:
Year: 2018
EM Manifest ID: 011491516FLE20180530_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2018-05-30
Manifest Number: 011491516FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011491516FLE20180530_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2018-05-30
Manifest Number: 011491516FLE
Line Number: 1
Method Code: H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D022
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest Number:	011491516FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D018
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	011491516FLE20180530_D_1
Generator EPA ID:	CAR000202424
Shipment Date:	2018-05-30
Manifest Number:	011491516FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

EM Manifest ID: 011491516FLE20180530_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2018-05-30
Manifest Number: 011491516FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U154

State:

Year: 2018
EM Manifest ID: 011491516FLE20180530_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2018-05-30
Manifest Number: 011491516FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 011491516FLE20180530_D_1
Generator EPA ID: CAR000202424
Shipment Date: 2018-05-30
Manifest Number: 011491516FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Additional Info:

Year: 2017
Gen EPA ID: CAR000202424

Shipment Date: 20171229
Manifest ID: 010869219FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

TSDf EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.052
Waste Quantity:	104
Quantity Unit:	P
Shipment Date:	20171229
Manifest ID:	010869219FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Shipment Date:	20171229
Creation Date:	9/12/2018 18:30:12
Receipt Date:	20180207
Manifest ID:	010869219FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Shipment Date:	20171229
Creation Date:	9/12/2018 18:30:12
Receipt Date:	20180207
Manifest ID:	010869219FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U154
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20171229
Creation Date:	9/12/2018 18:30:12
Receipt Date:	20180207
Manifest ID:	010869219FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0145
Waste Quantity:	29
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20171229
Creation Date:	9/12/2018 18:30:12
Receipt Date:	20180207
Manifest ID:	010869219FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
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:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Shipment Date:	20171212
Creation Date:	8/7/2018 18:30:18
Receipt Date:	20180115
Manifest ID:	010685351FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans Name:	RHO CHEM LLC
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	U129
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D024
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D007
Shipment Date:	20171212
Creation Date:	8/7/2018 18:30:18
Receipt Date:	20180115
Manifest ID:	010685351FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63
Quantity Unit:	P
Shipment Date:	20171212
Creation Date:	8/7/2018 18:30:18
Receipt Date:	20180115
Manifest ID:	010685351FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Shipment Date:	20171212
Creation Date:	8/7/2018 18:30:18
Receipt Date:	20180115
Manifest ID:	010685351FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans Name: RHO CHEM LLC
Waste Code Description: 352 - Other organic solids
RCRA Code: D022
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: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Additional Info:

Year: 2016
Gen EPA ID: CAR000202424

Shipment Date: 20151230
Creation Date: 3/22/2016 22:15:58
Receipt Date: 20160114
Manifest ID: 008630465FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
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: 0.016
Waste Quantity: 32
Quantity Unit: P

Shipment Date: 20151230
Manifest ID: 008630465FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1875
Waste Quantity: 375
Quantity Unit: P

Shipment Date: 20151230
Creation Date: 3/22/2016 22:15:58
Receipt Date: 20160114
Manifest ID: 008630465FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.012
Waste Quantity:	24
Quantity Unit:	P
Shipment Date:	20151119
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151208

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Manifest ID: 008620068FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0845
Waste Quantity: 169
Quantity Unit: P

Shipment Date: 20151119
Creation Date: 1/23/2016 22:15:12
Receipt Date: 20151208
Manifest ID: 008620068FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 352 - Other organic solids
RCRA Code: D022
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20151119
Creation Date: 1/23/2016 22:15:12
Receipt Date: 20151208
Manifest ID: 008620068FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: U159
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0045
Waste Quantity: 9
Quantity Unit: P
Additional Code 1: U154
Additional Code 2: D035
Additional Code 3: D018
Additional Code 4: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 20151105
Creation Date: 1/11/2016 22:16:40
Receipt Date: 20151121
Manifest ID: 008620018FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 352 - Other organic solids
RCRA Code: D022
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: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20151105
Creation Date: 1/11/2016 22:16:40
Receipt Date: 20151121
Manifest ID: 008620018FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P

Additional Info:
Year: 2015
Gen EPA ID: CAR000202424

Shipment Date: 20151230
Manifest ID: 008630465FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1875
Waste Quantity: 375

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit:	P
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDf EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.012
Waste Quantity:	24
Quantity Unit:	P
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDf EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
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/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDf EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Additional Code 4:	D001
Shipment Date:	20151230
Creation Date:	3/22/2016 22:15:58
Receipt Date:	20160114
Manifest ID:	008630465FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20151119
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151208
Manifest ID:	008620068FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0845
Waste Quantity:	169
Quantity Unit:	P
Shipment Date:	20151119
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151208
Manifest ID:	008620068FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20151119
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151208
Manifest ID:	008620068FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20151105
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151121
Manifest ID:	008620018FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20151105
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151121
Manifest ID:	008620018FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000210617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P

Additional Info:

Year: 2014
Gen EPA ID: CAR000202424

Shipment Date: 20141229
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20150107
Manifest ID: 006445460FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0205
Waste Quantity: 41
Quantity Unit: P

Shipment Date: 20141229
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20150107
Manifest ID: 006445460FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 352 - Other organic solids
RCRA Code: D022
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: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20141217
Creation Date: 6/24/2015 22:15:33
Receipt Date: 20141230
Manifest ID: 007353483FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20141217
Creation Date:	6/24/2015 22:15:33
Receipt Date:	20141230
Manifest ID:	007353483FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Shipment Date:	20141217
Creation Date:	6/24/2015 22:15:33
Receipt Date:	20141230
Manifest ID:	007353483FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
Waste Code Description:	352 - Other organic solids
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 20141217
Creation Date: 6/24/2015 22:15:33
Receipt Date: 20141230
Manifest ID: 007353483FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Meth Code: H121 - Neutralization Only
Quantity Tons: 0.006
Waste Quantity: 12
Quantity Unit: P

Shipment Date: 20141201
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20141216
Manifest ID: 007311772FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P

Shipment Date: 20141201
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20141216
Manifest ID: 007311772FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: U159
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: U154
Additional Code 2: D035
Additional Code 3: D018
Additional Code 4: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 20141201
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20141216
Manifest ID: 007311772FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 352 - Other organic solids
RCRA Code: D022
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20141201
Creation Date: 6/25/2015 22:16:11
Receipt Date: 20141216
Manifest ID: 007311772FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Meth Code: H121 - Neutralization Only
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P

Additional Info:
Year: 2013
Gen EPA ID: CAR000202424

Shipment Date: 20131231
Creation Date: 6/13/2014 22:15:06
Receipt Date: 20140120
Manifest ID: 006231766FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: - Not reported
Quantity Tons: 0.0595
Waste Quantity: 119

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Unit:	P
Shipment Date:	20131231
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140120
Manifest ID:	006231766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	- Not reported
RCRA Code:	D022
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:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20131231
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140120
Manifest ID:	006231766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Shipment Date:	20131231
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140120
Manifest ID:	006231766FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	- Not reported
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20131216
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20140102
Manifest ID:	006231738FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
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:	0.008
Waste Quantity:	16
Quantity Unit:	P
Shipment Date:	20131216
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20140102
Manifest ID:	006231738FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	- Not reported
RCRA Code:	U159
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Shipment Date:	20131216
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20140102
Manifest ID:	006231738FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
Meth Code:	- Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Quantity Tons:	0.0455
Waste Quantity:	91
Quantity Unit:	P
Shipment Date:	20131216
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20140102
Manifest ID:	006231738FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSD EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	- Not reported
RCRA Code:	D022
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D005
Additional Code 3:	D002
Additional Code 4:	D001
Shipment Date:	20131204
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131226
Manifest ID:	006231705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSD EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
Waste Code Description:	- Not reported
RCRA Code:	D026
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D024
Additional Code 2:	D018
Additional Code 3:	D009
Additional Code 4:	D007
Shipment Date:	20131204
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20131226
Manifest ID:	006231705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSD EPA ID:	INR000110197

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: U159
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: U154
Additional Code 2: D035
Additional Code 3: D018
Additional Code 4: D001

Additional Info:

Year: 2012
Gen EPA ID: CAR000202424

Shipment Date: 20121227
Creation Date: 5/11/2013 22:15:06
Receipt Date: 20130118
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
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

Shipment Date: 20121227
Creation Date: 5/11/2013 22:15:06
Receipt Date: 20130118
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: D026
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.007
Waste Quantity: 14
Quantity Unit: P
Additional Code 1: D008
Additional Code 2: D007
Additional Code 3: D006
Additional Code 4: D005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Shipment Date: 20121227
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: - Not reported
Quantity Tons: 0.0395
Waste Quantity: 79
Quantity Unit: P

Shipment Date: 20121227
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: D022
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: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20121227
Creation Date: 5/11/2013 22:15:06
Receipt Date: 20130118
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: U159
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.016
Waste Quantity: 32
Quantity Unit: P
Additional Code 1: U154
Additional Code 2: D035
Additional Code 3: D018
Additional Code 4: D001

Shipment Date: 20121227

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Creation Date: 5/11/2013 22:15:06
Receipt Date: 20130118
Manifest ID: 005494869FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P

Shipment Date: 20121126
Manifest ID: 005807142FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: - Not reported
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P

Shipment Date: 20121126
Creation Date: 4/10/2013 22:15:15
Receipt Date: 20121210
Manifest ID: 005807142FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: U159
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P
Additional Code 1: U154
Additional Code 2: D035
Additional Code 3: D018
Additional Code 4: D001

Shipment Date: 20121126
Creation Date: 4/10/2013 22:15:15
Receipt Date: 20121210
Manifest ID: 005807142FLE
Trans EPA ID: MNS000110924

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
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: 0.0035
Waste Quantity: 7
Quantity Unit: P

Shipment Date: 20121126
Creation Date: 4/10/2013 22:15:15
Receipt Date: 20121210
Manifest ID: 005807142FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
RCRA Code: D022
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.009
Waste Quantity: 18
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D005
Additional Code 3: D002
Additional Code 4: D001

CERS:
Name: WALMART #5766
Address: 170 COCHRANE RD
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 407324
CERS ID: 10149235
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 407324
Site Name: Walmart #5766
Violation Date: 12-29-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/02/2016. The facility's most recent HMBP submittal incorrectly identifies the business city site as "Santa Clara," rather than Morgan Hill.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Violation Source: CERS,

Site ID: 407324
Site Name: Walmart #5766
Violation Date: 12-29-2015
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description: Failure to properly complete the Hazardous Waste manifest.
Violation Notes: Returned to compliance on 02/02/2016. On the facility's uniform hazardous waste manifests, two waste streams are routinely listed as "non-RCRA hazardous waste, liquid (CA regulated)" and "non-RCRA hazardous waste, solids (CA regulated)". No additional description of the wastes are provided. Pursuant to CCR 66262.23(a)(5)(A), non-RCRA hazardous waste should be identified with a commonly recognized industrial name for the waste (e.g. "used oil") or a generic name for non-RCRA hazardous waste should be obtained from Appendix X when possible (e.g. acetic acid).

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 407324
Site Name: Walmart #5766
Violation Date: 12-29-2015
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)
Violation Description: Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.
Violation Notes: Returned to compliance on 01/28/2016. The facility's pharmacy and management staff stated that the facility's current practice is to dispose of unidentifiable, loose pills in the Side A compartment of the pharmaceutical waste container. Side A waste is only identified by California waste code 311 (Pharmaceutical Waste) on the facility's uniform hazardous waste manifests. The facility's pharmacy dispenses both RCRA and non-RCRA pharmaceuticals (CA-only regulated). A hazardous waste determination needs to be conducted on the unidentifiable, loose pills prior to disposal as non-RCRA pharmaceutical waste. Provide documentation to HMCDD as to how the facility ensures that RCRA pharmaceutical wastes are not disposed of as non-RCRA pharmaceutical waste.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 407324
Site Name: Walmart #5766
Violation Date: 09-19-2019
Citation: HSC 6.5 25160(b)(1)(C) - California Health and Safety Code, Chapter 6.5, Section(s) 25160(b)(1)(C)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Review of manifests in hazardous waste tracking system and discussion with staff indicates that generator copies of uniform manifests are not being submitted to DTSC as required. Pursuant to CCR 66262.23(a)(4) "The generator of any hazardous or extremely hazardous waste to be transported off-site or into California shall...within 30 days of each shipment of hazardous waste submit to the Department a legible

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

copy of each manifest used."
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 407324
Site Name: Walmart #5766
Violation Date: 12-29-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 02/02/2016. The facility's current hazardous waste disposal practices were verbally explained and a walk-through example of the process was provided to the inspector during the inspection. With the exception of alcohol, the facility's current practice is to solidify all hazardous liquids (ex. bleach and shampoos) with Spill Magic (an absorbent) prior to disposal. Treatment means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained therein, or which removes or reduces its harmful properties or characteristics for any purpose (HSC 25123.5). The facility s container accumulation practice allows solvents and flammable liquids to evaporate and other liquid residues to solidify prior to the facility making an empty container determination. Cease the practice of solidifying hazardous liquids prior to disposal, obtain an on-site hazardous waste treatment permit, [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility is a retail store with a pharmacy located inside. Facility does not perform an automotive, paint mixing, or photo processing services at this location. Hazardous waste routinely generated on site include, but are not limited to: State-regulated toxics and corrosives Flammable liquids Waste Aerosols Flammable solids Corrosive/Reactive solids Damaged lead acid batteries RCRA pharmaceuticals Items such as customer returns, damaged products, and leaking containers are transferred to hazardous waste accumulation area and are sorted daily. Leaking containers will be placed in a bag with spill magic. Employees will scan the product using a handheld scanner (known as TC70) to determine the management of the product. The scanner will prompt the employee to determine the condition of the product and designate the appropriate waste container (i.e. toxic, flammable, corrosive). Employees are trained to contact Stericycle helpline if there is an item that is [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Eval Date: 12-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with Store Manager, Sigrunn Nydal. The following hazardous materials/wastes were reported above HMBP reportable thresholds on the facility's most recent HMBP submittal, but were below HMBP reportable thresholds during inspection: - liquified petroleum gas - helium compressed gas cylinders - waste car batteries (sulfuric acid) - operational equipment batteries NOTES: - CERS ID: 10149235 - Most recent HMBP submittal: 7/24/2015 - Initial training for new employees and annual refresher training for all employees in safety procedures in the event of a release or threatened release of a hazardous material is provided. A written log of each employee, the employee's title and job description, the date the training was provided, and the description of the training is documented through the facility's computerized training system and was reviewed during the inspection.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility is a retail store storing the following hazardous materials above HMBP reportable quantities: Spent lead-acid batteries Propane (non-retail) R404A (refrigeration) Helium HMBP was submitted through CERS on 02/26/2019 and accepted. Property is owned by Walmart Real Estate Business Trust. UNRESOLVED ISSUE: Training documentation to verify that employees have been training in hazardous materials handling and spill response was not available for review at time of inspection. Mr. Smith was able to verify that a web-based training is assigned annually and completed, but was not able to access training record for employees besides himself. There was no staff on-site to access the training records, but indicated that the training reports are accessible at the store level. Please provide a copy of the aforementioned training to determine the facility is in compliance with HMBP training requirements as outlined in HSC 6.95 25505(a)(4).

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous waste inspection with Store Manager, Sigrunn Nydal. The facility is a franchised, retail establishment with an on-site pharmacy. No auto repair, used oil collection and recycling, photo-development, or medical services occur on-site. The following waste streams were observed during the inspection: PHARMACY AREA: - 1 x blue, dual-divided, plastic container is located in the pharmacy. The two compartments are labeled Side A and Side B. Side B of the container is for empty, Warfarin and Coumadin (P001) bottles and loose pills. The bottles are marked with the accumulation date. Side A of the container is for all other loose

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

pills (i.e. all pills, except Warfarin and Cumadin) and waste pharmaceuticals. - If an identifiable pill is discovered and determined to be a waste, the pill is immediately bagged, labeled with the product name and accumulation date, and deposited into the plastic container. Empty, Warfarin and Cumadin bottles [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:

Site ID: 407324
Facility Name: Walmart #5766
Env Int Type Code: HMBP
Program ID: 10149235
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.149550
Longitude: -121.655300

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Paul Chrisman, Sr. Mgr. Environmental Health & Safety Compliance
Affiliation Address: 702 Southwest 8th Street
Affiliation City: Bentonville
Affiliation State: AR
Affiliation Zip: 72716-0500
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Operator
Entity Name: Walmart Inc.
Affiliation Phone: (479) 204-3911,

Affiliation Type Desc: Parent Corporation
Entity Name: Walmart
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Paul Chrisman
Entity Title: Sr. Mgr. Environmental Health & Safety Compliance
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: WALMART REAL ESTATE BUSINESS TRUST
Affiliation Address: P.O. Box 8050 MS 0555
Affiliation City: Bentonville
Affiliation State: AR
Affiliation Country: United States
Affiliation Zip: 72712
Affiliation Phone: (479) 204-3911,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER #5766 (Continued)

S113178881

Affiliation Type Desc:	Document Preparer
Entity Name:	Aptim Environmental & Infrastructure, Inc.
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Affiliation Address:	702 Southwest 8th Street
Affiliation City:	Bentonville
Affiliation State:	AR
Affiliation Zip:	72716-0500
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Walmart Inc.
Affiliation Address:	702 Southwest 8th Street
Affiliation City:	Bentonville
Affiliation State:	AR
Affiliation Country:	United States
Affiliation Zip:	72716-0500
Affiliation Phone:	(479) 204-3911,

HWTS:

Name:	WALMART SUPERCENTER #5766
Address:	170 COCHRANE RD
City,State,Zip:	MORGAN HILL, CA 95037
EPA ID:	CAR000202424
Create Date:	11/30/2009
Mailing Address:	P.O. BOX 8041
Mailing City,State,Zip:	BENTONVILLE, AR 727128041
Owner Name:	WAL-MART STORES, INC
Owner Address:	P.O. BOX 8041
Owner City,State,Zip:	BENTONVILLE, AR 727128041
Contact Name:	ROSE ARNOLD
Contact Address:	PO BOX 8041
City,State,Zip:	BENTONVILLE, AR 727128041
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	37.145878
Longitude:	-121.663387

NAICS:

EPA ID:	CAR000202424
Create Date:	2015-01-26 09:40:10.060
NAICS Code:	45291
NAICS Description:	Warehouse Clubs and Superstores
Issued EPA ID Date:	2009-11-30 10:15:49.99700
Facility Name:	WALMART SUPERCENTER #5766
Facility Address:	170 COCHRANE RD
Facility City:	MORGAN HILL
Facility State:	CA
Facility Zip:	950370000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D26
North
1/8-1/4
0.149 mi.
788 ft.

CELLIANCE CORP
380 WOODVIEW AV
MORGAN HILL, CA 95037

Site 3 of 6 in cluster D

CUPA Listings **S121473330**
N/A

Relative:
Higher
Actual:
365 ft.

CUPA SANTA CLARA:
Name: CELLIANCE CORP
Address: 380 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.150143
Longitude: -121.660304
Record ID: PR0378557
Facility ID: FA0258503

D27
North
1/8-1/4
0.149 mi.
788 ft.

ARAGEN BIOSCIENCE INC.
380 WOODVIEW AV
MORGAN HILL, CA 95037

Site 4 of 6 in cluster D

CERS HAZ WASTE **S103988920**
CUPA Listings **N/A**
CERS

Relative:
Higher
Actual:
365 ft.

CERS HAZ WASTE:
Name: ARAGEN BIOSCIENCE INC.
Address: 380 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 6419
CERS ID: 10076293
CERS Description: Hazardous Waste Generator

CUPA SANTA CLARA:
Name: ARAGEN BIOSCIENCE INC.
Address: 380 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.150143
Longitude: -121.660304
Record ID: PR0383317
Facility ID: FA0261401

Name: ARAGEN BIOSCIENCE INC.
Address: 380 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.150143
Longitude: -121.660304
Record ID: PR0383406
Facility ID: FA0261401

CERS:
Name: ARAGEN BIOSCIENCE INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

Address: 380 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 6419
CERS ID: 10076293
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Notes: Returned to compliance on 03/28/2018.

THE

LATEST HMBP SUBMITTAL WAS ON 3/7/2013.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 03-28-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 04/26/2018. In hood in lab, 250 ml bottle marked only "formalin waste". Attached to HPLC machine, container marked only "50/50 mix water and 90% ACN" MISSING HAZARD OF WASTE WHICH IS REQUIRED OF A FEDERAL SATELLITE ACCUMULATION CONTAINER/IN PROCESS CONTAINER

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
Citation: 40 CFR 1 265.177 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.177

Violation Description: Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; 3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

Violation Notes:	Returned to compliance on 03/28/2018.
	OBSERVED 3x55 GALLON DRUMS LABELED AS WASTE CORROSIVE LIQUID, CONTAINING BLEACH STORED ON THE SAME SECONDARY CONTAINMENT SKID WITH 1x55 GALLON DRUM OF WASTE MIXED SOLVENTS, CONTAINING ETHANOL AND ISOPROPANOL.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	6419
Site Name:	Aragen Bioscience Inc.
Violation Date:	03-28-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/26/2018. Facility violated CCR, section 66262.23 in that it failed to ensure that the TSDf copy of manifests sent out of state were submitted to DTSC. Manifest 010020840 (2017) noted with "destination state to shipping state" copy in facility file. Also 2015 manifests 014895856JJJ, 014400005JJJ, and 014305640JJJ were noted in State's tracking system as not having had the TSDf signed copy submitted.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	6419
Site Name:	Aragen Bioscience Inc.
Violation Date:	02-18-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 03/28/2018.
	FACILITY SUBMITTED AN OBSOLETE EMERGENCY RESPONSE/CONTINGENCY PLAN ON CERS. THE CURRENT FORM CAN BE FOUND AT: http://www.calepa.ca.gov/cupa/documents/etemplates/contingency.pdf .
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	6419
Site Name:	Aragen Bioscience Inc.
Violation Date:	03-28-2018
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 04/26/2018. Facility is providing initial and periodic emergency procedures training, but is only documenting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

the initial training.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 03-28-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 04/26/2018. Facility failed to annually submit and certify its HMBP on CERS in 2016.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 03-28-2018
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description: Failure to meet the following conditions of satellite accumulation regulations: Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accumulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. The generator complies with section 66265.171, 66265.172, and 66265.173(a). The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words Hazardous Waste including specified information Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a 90 day accumulation area 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes: Returned to compliance on 04/26/2018. Consolidation containers used to hold various dated lab satellite containers with varying start dates are marked only with the start date that the LSAA container was first added. It does not address the original start date of the waste in the LSAA container to ensure that waste is not held for more than one year onsite (from first generation in lab to final disposal in consolidation container)

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violation Notes: Returned to compliance on 03/28/2018.

OBSERVED 2x35 GALLON CONTAINER CONTAINING HAZARDOUS WASTE (LAB TRASH), MARKED WITH A ACCUMULATION START DATE OF 3/22/2013 (LAB AREA) & 3/4/2014 (WASTE STORAGE AREA).

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description: Failure to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers.

Violation Notes: Returned to compliance on 03/28/2018.

OBSERVED THE EMERGENCY RESPONSE POSTING LISTED PERSONNEL THAT ARE NO LONGER WITH THE COMPANY.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
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 03/28/2018.

THE
HMBP MAP WAS REJECTED ON CERS FOR MISSING THE FOLLOWING INFORMATION:
NORTH ORIENTATION, LOADING AREAS, INTERNAL ROADS, ADJACENT STREETS,
STORM AND SEWER DRAINS, ACCESS AND EXIT POINTS, EMERGENCY SHUTOFFS,
EVACUATION STAGING AREAS, HAZARDOUS MATERIALS HANDLING AND STORAGE
AREAS, AND EMERGENCY RESPONSE EQUIPMENT.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 02-18-2015
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Violation Notes: Returned to compliance on 03/28/2018.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

THE

FOLLOWING MANIFESTS (TSDF-COPY) WERE NOT AVAILABLE FOR INSPECTION:
013499728JJJK; 11/25/2014 013499733JJJK; 11/25/2014

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Violation Date: 03-28-2018
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 the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 04/26/2018. Site has disclosed the storage of carbon dioxide as being 14,000 ft3 of a compressed gas but stores the material as a cryogenic compressed liquid in dewars (observed three x 265 liter dewars, Mr. Reitsma noted could be up to 7 onsite). In instances such as this, the material should be reported in the state adn units in which it is stored (gallons). Be sure to determine if reportable based upon cubic feet of expanded gas, but report in state/status of storage.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Conducted an inspection of the site's Hazardous Materials Business Plan on the California Environmental Reporting System (CERS). Verified that personnel that handle chemicals and waste receive annual training as required.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Conducted a hazardous waste inspection with Raymond Ramos, Facilities Technician. Verified that hazardous waste manifests were matched (Generator & TSDF), except as noted above. Verified emergency equipment such as spill pillow, clay absorbent and fire extinguishers were present and available for use. Inspected hazardous waste storage area containing numerous 5-gallon containers and 4x55 gallon transparent drums for liquid waste; all containers were were properly labeled and all container bungs were in-place. Facility is documenting the daily inspection of the condition of hazardous waste containers. Verified that the site EPA ID number: CAL000326297 is active on the Hazardous Waste Tracking System. The following violation (G020; Facility failed to properly mark a hazardous waste tank and/or container) was corrected during today's inspection: --1x5 gallon

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

container of solvent waste in the lab; missing the accumulation start date. --1x55 gallon drum [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: CERS ID 10076293 Submittals 4/11/17 and 5/28/15 Map complete Emergency plan and training plan complete. Inventory observed onsite matches submittal except as noted above.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Site operating under ID CAL000326297 Generate three main routine wastestreams: mixed waste solvents, mixed waste cell cultures containing bleach, and lab debris contaminated with ethidium bromide and/or sulfuric acid. Use analytical tools including cell sorters and HPLCs. Generally operate lab space under lab satellite accumulation rules, with consolidation to 30 gallon containers at HW storage area. All containers for collection and consolidation labeled. Have emergency information including evacuation and response material information posted throughout facility. Spill response kits noted and additional resources stored at HW storage area. Provide tiered training, with general awareness to all users, second level HW knowledge to handlers, DOT to manifest signers and HAZWOPER for EHS Director Inspections are conducted and logged weekly. Reviewed manifests from 2017, 2018 while onsite, 2015 and 2016 in office from HWTS G020C: Tote holding various containers [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Site Address: 380 WOODVIEW AV
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 02-18-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 6419
Site Name: Aragen Bioscience Inc.
Site Address: 380 WOODVIEW AV
Site City: MORGAN HILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

Site Zip: 95037
Enf Action Date: 02-18-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Kirby Cafuir
Affiliation Address: 380 Woodview Ave
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Kirby Cafuir
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Kirby Cafuir
Entity Title: Facilities/EH&S Manager
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Aragen Bioscience, Inc.
Affiliation Address: 380 WOODVIEW AV
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 779-1700,

Affiliation Type Desc: Operator
Entity Name: JB Gupta
Affiliation Phone: (415) 539-8618,

Affiliation Type Desc: Parent Corporation
Entity Name: Aragen BioScience Inc.
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 380 WOODVIEW AVE
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC. (Continued)

S103988920

Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Sean Darragh
Affiliation Address: 274 Martin Avenue
Affiliation City: Santa Clara
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95050
Affiliation Phone: (408) 970-8001,

D28
North
1/8-1/4
0.149 mi.
788 ft.

ARAGEN BIOSCIENCE INC
380 WOODVIEW AVE
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1024818602
CAL000326297

Site 5 of 6 in cluster D

Relative:
Higher

RCRA Listings:

Actual:
365 ft.

Date Form Received by Agency: 20071031
Handler Name: ARAGEN BIOSCIENCE INC
Handler Address: 380 WOODVIEW AVE
Handler City,State,Zip: MORGAN HILL, CA 95037-2823
EPA ID: CAL000326297
Contact Name: GARY REITSMA
Contact Address: 380 WOODVIEW AVE.
Contact City,State,Zip: MORGAN HILL, CA 95037-2823
Contact Telephone: 408-722-5489
Contact Fax: 408-779-1711
Contact Email: GREITSMA@ARAGENBIO.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 380 WOODVIEW AVE
Mailing City,State,Zip: MORGAN HILL, CA 95037-2823
Owner Name: ARAGEN BIOSCIENCE INC
Owner Type: Other
Operator Name: GARY REITSMA
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: N
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC (Continued)

1024818602

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
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
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:	ARAGEN BIOSCIENCE INC
Legal Status:	Other
Owner/Operator Address:	380 WOODVIEW AVE
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037-2823
Owner/Operator Telephone:	408-779-1700

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GARY REITSMA
Legal Status:	Other
Owner/Operator Address:	380 WOODVIEW AVE.
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037-2823
Owner/Operator Telephone:	408-722-5489

Historic Generators:

Receive Date:	20071031
Handler Name:	ARAGEN BIOSCIENCE INC
Federal Waste Generator Description:	Not a generator, verified
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

List of NAICS Codes and Descriptions:

NAICS Code:	54171
NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAGEN BIOSCIENCE INC (Continued)

1024818602

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

29
East
1/8-1/4
0.154 mi.
811 ft.

ANRITSU COMPANY
450 JARVIS DR
MORGAN HILL, CA 95037

CERS HAZ WASTE
CUPA Listings
CERS

S114555245
N/A

Relative:
Higher

Actual:
369 ft.

CERS HAZ WASTE:

Name: ANRITSU COMPANY
Address: 450 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92458
CERS ID: 10353025
CERS Description: Hazardous Waste Generator

CUPA SANTA CLARA:

Name: ANRITSU COMPANY
Address: 450 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.146783
Longitude: -121.657041
Record ID: PR0376271
Facility ID: FA0253123

CERS:

Name: ANRITSU COMPANY
Address: 450 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92458
CERS ID: 10353025
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 92458
Site Name: ANRITSU COMPANY
Violation Date: 11-28-2018
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 12/14/2018. Site did not have documentation demonstrating annual emergency response/evacuation training available for review.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S114555245

Violation Source: CERS,

Site ID: 92458
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016
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 02/10/2016. The most recent site map submitted by the facility does not contain the location of the hazardous materials handling and storage areas and emergency response equipment.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92458
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 02/10/2016. The facility's most recent HMBP submittal was on 12/4/2013. As of 1/1/2013, facilities must electronically submit HMBP to the California Environmental Reporting System (CERS) and certify at least once every 12 months that HMBP is complete, accurate, and up to date. Within 30 days, complete and submit the following information by creating a CERS account with CERS ID: 10353025. -Facility information/ownership page -Hazardous materials inventory/site map -Emergency response plan/training plan If you would like assistance with completing and submitting your HMBP, SCC HMCD Hazardous Materials Technician Michelle Santos at (408)918-1981 or myself at (408)918-3408. - CERS website: <http://cers.calepa.ca.gov>
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with Howard Grimes. The following hazardous materials/wastes were observed in quantities above HMBP reportable thresholds: 1. 600 gallons of diesel for emergency generator NOTES: - CERS ID: 10353025 - Most recent HMBP Submittal: 12/4/2013 - The facility is the property owner. - Evacuation drills are conducted facility-wide 2 x per year. Safety procedures and emergency response plan training is conducted for employees, in accordance with their job requirements, on an annual basis. Documentation of drills and meetings are kept by the facility and were reviewed during inspection.
Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S114555245

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 450 CERS ID 10353025 Annual submittal 3/16/18, 2/23/17, 2/5/16 with 9/19/17 update Map, emergency plan (template) and training plan all complete Site is one building within grouping sharing EPA ID CAD981695109, permit issued to 490 Jarvis location. Diesel stored in UL listed double walled tank.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 92458
Facility Name: ANRITSU COMPANY
Env Int Type Code: HWG
Program ID: 10353025
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.146480
Longitude: -121.656200

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Document Preparer
Entity Name: Ben Hartshorn
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Ben Hartshorn
Affiliation Address: 490 Jarvis Drive
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Anritsu Company
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Anritsu Company
Affiliation Address: 490 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S114555245

Affiliation Phone: (408) 778-2000,

Affiliation Type Desc: Operator
Entity Name: Anritsu Company
Affiliation Phone: (408) 778-2000,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 490 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ben Hartshorn
Entity Title: Facilities Manager
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Anritsu Holding
Affiliation Address: 490 Jarvis Drive
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 778-2000,

D30
North
1/8-1/4
0.161 mi.
850 ft.

TRIAD RESOURCES
400 WOODVIEW AV
MORGAN HILL, CA 95037

Site 6 of 6 in cluster D

CUPA Listings **S121471756**
N/A

Relative:
Higher
Actual:
364 ft.

CUPA SANTA CLARA:
Name: TRIAD RESOURCES
Address: 400 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.150329
Longitude: -121.660265
Record ID: PR0364268
Facility ID: FA0251002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

G31
SSE
1/8-1/4
0.162 mi.
857 ft.
Site 1 of 3 in cluster G

CERS HAZ WASTE
CUPA Listings
HAZNET
CERS
S121472318
N/A

Relative:
Lower

Actual:
363 ft.

CERS HAZ WASTE:

Name: TORAY ADVANCED COMPOSITES
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 160153
CERS ID: 10348027
CERS Description: Hazardous Waste Generator

Name: TORAY ADVANCED COMPOSITES
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 160153
CERS ID: 10348027
CERS Description: RCRA LQ HW Generator

CUPA SANTA CLARA:

Name: ALIEN TECHNOLOGY CORPORATION
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2206
Program Description: GENERATES 5 TO <25 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.143142
Longitude: -121.657564
Record ID: PR0368679
Facility ID: FA0253238

Name: ALIEN TECHNOLOGY CORPORATION
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2262
Program Description: CONDITIONALLY AUTHORIZED (CA)
Program Identifier: DEH PERMIT-ONSITE HAZ WASTE TREATMENT/TIERED PERMIT PROGRAM
Latitude: 37.143142
Longitude: -121.657564
Record ID: PR0368681
Facility ID: FA0253238

HAZNET:

Name: ALIEN TECHNOLOGY CORP
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 950370000
Contact: MARY BETH MILLER/EHS DIRECTOR
Telephone: 4087823915
Mailing Address: 18220 BUTTERFIELD BLVD

Year: 2012
Gepaid: CAR000064659
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4
Year:	2011
Gepaid:	CAR000064659
TSD EPA ID:	CAD059494310
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:	0.85
Year:	2011
Gepaid:	CAR000064659
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.5
Year:	2010
Gepaid:	CAR000064659
TSD EPA ID:	CAD059494310
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:	0.4
Year:	2006
Gepaid:	CAR000064659
TSD EPA ID:	CAD980884183
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:	0.048
Year:	2006
Gepaid:	CAR000064659
TSD EPA ID:	CAD982411993
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.119
Year:	2006
Gepaid:	CAR000064659
TSD EPA ID:	CAD980884183
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H01 - Transfer Station
Tons:	5.97305
Year:	2006
Gepaid:	CAR000064659
TSD EPA ID:	CAD980884183
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0.963

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Year: 2006
Gepaid: CAR000064659
TSD EPA ID: CAD980884183
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 1.7825

Year: 2006
Gepaid: CAR000064659
TSD EPA ID: CAD980884183
CA Waste Code: -
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22935

[Click this hyperlink](#) while viewing on your computer to access
82 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2012
Gen EPA ID: CAR000064659

Shipment Date: 20120214
Creation Date: 7/25/2012 18:30:12
Receipt Date: 20120217
Manifest ID: 004816668FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS 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
Waste Code Description: 352 - Other organic solids
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P

Additional Info:

Year: 2011
Gen EPA ID: CAR000064659

Shipment Date: 20111121
Creation Date: 7/19/2012 22:00:21
Receipt Date: 20111123
Manifest ID: 004816667FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS 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
Waste Code Description: 352 - Other organic solids
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135)
Waste Quantity:	0.5
Quantity Unit:	1000
	P
Shipment Date:	20110908
Creation Date:	7/19/2012 22:00:14
Receipt Date:	20110912
Manifest ID:	004936923FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
Waste Code Description:	352 - Other organic solids
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
Shipment Date:	20110613
Creation Date:	6/24/2012 20:30:07
Receipt Date:	20110629
Manifest ID:	004407922FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRO
TSDf EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
Waste Code Description:	352 - Other organic solids
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Info:	
Year:	2010
Gen EPA ID:	CAR000064659
Shipment Date:	20101201
Creation Date:	2/19/2011 18:30:32
Receipt Date:	20101202
Manifest ID:	003891578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SER
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
Waste Code Description:	352 - Other organic solids
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Waste Quantity: 800
Quantity Unit: P

Additional Info:
Year: 2006
Gen EPA ID: CAR000064659

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
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: 0.1
Waste Quantity: 200
Quantity Unit: P

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
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

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 352 - Other organic solids
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

Shipment Date: 20061107
Creation Date: 7/13/2007 18:30:33
Receipt Date: 20061115
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDf EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
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: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: D001

Shipment Date: 20061107
Creation Date: 7/13/2007 18:30:33
Receipt Date: 20061115
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDf EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Shipment Date: 20061107
Creation Date: 7/13/2007 18:30:33
Receipt Date: 20061115
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDf EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P

Shipment Date: 20061107
Creation Date: 7/13/2007 18:30:33
Receipt Date: 20061115
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code: U002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.8
Waste Quantity: 1600
Quantity Unit: P
Additional Code 1: F003
Additional Code 2: F002
Additional Code 3: D002
Additional Code 4: D001

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P

Shipment Date: 20061107
Manifest ID: 001377585JJK
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
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: 0.05
Waste Quantity: 100
Quantity Unit: P

Additional Info:
Year: 2005
Gen EPA ID: CAR000064659

Manifest ID: 24416247
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D011
Meth Code: H01 - Transfer Station
Quantity Tons: 0.125
Waste Quantity: 250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Quantity Unit:	P
Manifest ID:	24275235
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Shipment Date:	20051216
Creation Date:	3/14/2006 16:16:17
Manifest ID:	25108527
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	221 - Waste oil and mixed oil
Meth Code:	- Not reported
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Shipment Date:	20051216
Creation Date:	3/14/2006 16:16:17
Manifest ID:	25108527
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Shipment Date:	20051216
Creation Date:	3/14/2006 16:16:17
Manifest ID:	25108527
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Shipment Date:	20051216
Creation Date:	3/14/2006 16:16:17
Manifest ID:	25108527

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Shipment Date:	20051209
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051219
Manifest ID:	24416568
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Shipment Date:	20051209
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051219
Manifest ID:	24416568
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Shipment Date:	20051209
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051219
Manifest ID:	24416568
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Shipment Date: 20051209
Creation Date: 1/4/2007 18:30:12
Receipt Date: 20051219
Manifest ID: 24416568
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Additional Info:

Year: 2004
Gen EPA ID: CAR000064659

Shipment Date: 20041230
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20050105
Manifest ID: 24275575
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P

Shipment Date: 20041230
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20050105
Manifest ID: 24275575
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Shipment Date: 20041230
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20050105
Manifest ID: 24275575
Trans EPA ID: CAD983649880
Trans Name: GENERAL ENVIRONMENTAL MGMT INC
TSDF EPA ID: CAD980884183
Trans Name: GEM RANCHO CORDOVA LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5)
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Shipment Date:	20041217
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041229
Manifest ID:	24275561
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSD EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20041217
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041229
Manifest ID:	24275561
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSD EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5)
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Shipment Date:	20041217
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041229
Manifest ID:	24275561
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MGMT INC
TSD EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Shipment Date:	20041210
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20041217
Manifest ID:	24275519
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Shipment Date:	20041210
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20041217
Manifest ID:	24275519
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20041210
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20041217
Manifest ID:	24275519
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20041210
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20041217
Manifest ID:	24275519
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Info:	
Year:	2003
Gen EPA ID:	CAR000064659

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Shipment Date:	20031218
Creation Date:	7/30/2004 18:31:14
Receipt Date:	20031229
Manifest ID:	22534831
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	TERIS LLC
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20031218
Creation Date:	7/30/2004 18:31:14
Receipt Date:	20031229
Manifest ID:	22534831
Trans EPA ID:	CAD983649880
Trans Name:	GENERAL ENVIRONMENTAL MANAGEMENT INC
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	TERIS LLC
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20031114
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031120
Manifest ID:	99463968
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	ENSCO INC
TSDf Alt EPA ID:	CAD044429835
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Shipment Date:	20031114
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031120
Manifest ID:	99463968
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Trans Name:	ENSCO INC
TSDf Alt EPA ID:	CAD044429835
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Shipment Date:	20031029
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031106
Manifest ID:	99463941
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	ENSCO INC
TSDf Alt EPA ID:	CAD044429835
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Shipment Date:	20031029
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031106
Manifest ID:	99463941
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	ENSCO INC
TSDf Alt EPA ID:	CAD044429835
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Shipment Date:	20031029
Creation Date:	8/9/2004 8:46:56
Receipt Date:	20031106
Manifest ID:	99463941
Trans EPA ID:	CAD063547996
Trans Name:	PHILIP TRANSPORTATION & REMEDIATION INC
TSDf EPA ID:	CAD044429835
Trans Name:	ENSCO INC
TSDf Alt EPA ID:	CAD044429835
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20031029

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Creation Date: 8/9/2004 8:46:56
Receipt Date: 20031106
Manifest ID: 99463941
Trans EPA ID: CAD063547996
Trans Name: PHILIP TRANSPORTATION & REMEDIATION INC
TSDF EPA ID: CAD044429835
Trans Name: ENSCO INC
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G

Shipment Date: 20031024
Creation Date: 8/20/2004 8:27:39
Receipt Date: 20031104
Manifest ID: 99463930
Trans EPA ID: CAD063547996
Trans Name: PHILIP TRANSPORTATION & REMEDIATION INC
TSDF EPA ID: CAD044429835
Trans Name: ENSCO INC
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G

Shipment Date: 20031024
Creation Date: 8/20/2004 8:27:39
Receipt Date: 20031104
Manifest ID: 99463930
Trans EPA ID: CAD063547996
Trans Name: PHILIP TRANSPORTATION & REMEDIATION INC
TSDF EPA ID: CAD044429835
Trans Name: ENSCO INC
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.1251
Waste Quantity: 30
Quantity Unit: G

Additional Info:
Year: 2002
Gen EPA ID: CAR000064659

Manifest ID: 21803782
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Manifest ID:	21803782
Trans EPA ID:	TNR000009183
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAD044429835
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5)
Meth Code:	- Not reported
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Shipment Date:	20021216
Creation Date:	3/31/2003 18:31:15
Receipt Date:	20021223
Manifest ID:	21803894
Trans EPA ID:	TNR000009183
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAD044429835
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20021216
Creation Date:	3/31/2003 18:31:15
Receipt Date:	20021223
Manifest ID:	21803894
Trans EPA ID:	TNR000009183
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAD044429835
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Shipment Date:	20021108
Creation Date:	3/18/2003 18:31:41
Receipt Date:	20021119
Manifest ID:	21803782
Trans EPA ID:	TNR000009183
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAD044429835
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Shipment Date: 20021108
Creation Date: 3/18/2003 18:31:41
Receipt Date: 20021119
Manifest ID: 21803782
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDf EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.1251
Waste Quantity: 30
Quantity Unit: G

Shipment Date: 20021108
Creation Date: 3/18/2003 18:31:41
Receipt Date: 20021119
Manifest ID: 21803782
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDf EPA ID: CAD044429835
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P

Shipment Date: 20021108
Creation Date: 3/18/2003 18:31:41
Receipt Date: 20021119
Manifest ID: 21803782
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDf EPA ID: CAD044429835
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G

Shipment Date: 20021018
Creation Date: 3/15/2003 18:31:28
Receipt Date: 20021029
Manifest ID: 21803694
Trans EPA ID: TNR000009183
TSDf EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.02085
Waste Quantity: 5
Quantity Unit: G

Shipment Date: 20021018
Creation Date: 3/15/2003 18:31:28
Receipt Date: 20021029

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Manifest ID: 21803694
Trans EPA ID: TNR000009183
TSDF EPA ID: CAD044429835
Waste Code Description: - Not reported
Meth Code: D99 - Disposal, Other

Additional Info:

Year: 2001
Gen EPA ID: CAR000064659

Shipment Date: 20011213
Creation Date: 2/26/2002 0:00:00
Receipt Date: 20020108
Manifest ID: 21405039
Trans EPA ID: TNR000009183
Trans 2 EPA ID: OKD981588791
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011213
Creation Date: 2/26/2002 0:00:00
Receipt Date: 20020108
Manifest ID: 21405039
Trans EPA ID: TNR000009183
Trans 2 EPA ID: OKD981588791
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011213
Creation Date: 2/26/2002 0:00:00
Receipt Date: 20020108
Manifest ID: 21405039
Trans EPA ID: TNR000009183
Trans 2 EPA ID: OKD981588791
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011213
Manifest ID: 21405039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Trans EPA ID: TNR000009183
Trans 2 EPA ID: OKD981588791
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: - Not reported
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P

Shipment Date: 20011213
Creation Date: 2/26/2002 0:00:00
Receipt Date: 20020108
Manifest ID: 21405039
Trans EPA ID: TNR000009183
Trans 2 EPA ID: OKD981588791
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011112
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011119
Manifest ID: 21404954
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011112
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011119
Manifest ID: 21404954
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011112

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011119
Manifest ID: 21404954
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011112
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011119
Manifest ID: 21404954
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P

Shipment Date: 20011025
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011029
Manifest ID: 21404911
Trans EPA ID: TNR000009183
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G

Additional Info:
Year: 2000
Gen EPA ID: CAR000064659

Shipment Date: 20001206
Creation Date: 3/22/2001 0:00:00
Receipt Date: 20001220
Manifest ID: 20400614
Trans EPA ID: TNR000009183
Trans 2 EPA ID: ARD069748191
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Meth Code: D99 - Disposal, Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P

Shipment Date: 20001206
Creation Date: 3/22/2001 0:00:00
Receipt Date: 20001220
Manifest ID: 20400614
Trans EPA ID: TNR000009183
Trans 2 EPA ID: ARD069748191
TSDF EPA ID: CAD044429835
TSDF Alt EPA ID: CAD044429835
Waste Code Description: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.

RCRA Code: D001
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G

CERS:

Name: TORAY ADVANCED COMPOSITES
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 160153
CERS ID: 10348027
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
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 02/19/2016. The facility's site map does not identify satellite hazardous waste accumulation locations on the site map.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
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 02/19/2016. The facility s most recent Hazardous Materials Inventory does not identify the following hazardous materials located on-site: - Lab 1: 7 x 304 cuft. nitrogen compressed gas cylinders - Between Lab 2 and 3: 1 x 55 gallons of spent nitric acid, 1 x 55 gallons of spent sulfuric acid - Lab 4: 1 x 55 gallon drum of lathe wastewater with graphite - Mix Area I: 1 x 55

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

gallon drum of acetone waste with mixed resins (liquid) - Warehouse: 11,000 lb. of epoxy resins, 11,000 lb. of curing agents, 130 gallons of copper catalysts - Lab 5: 1 x 55 gallon drum of flammable liquids (acetone, resin) - Mix Room 2: Approximately 2000 lb. of epoxy resins, 625 lbs. of catalyst (solid) - Maintenance: 1 x 55 gallon drum of used glycol, 1 x 55 gallon drum of used oil, 165 gallons of new oil (1 x 55 gallons of Motorex, Parathermic, Hydraulic) - Hazardous Waste Storage Area: 1 x 55 gallon drum of combustible liquid (n-methylpyrrolidinone) - Additionally, the summation [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: RCRA Large Quantity Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General

Violation Notes: Returned to compliance on 02/19/2016. Epoxy resin mixes in liquid form and debris-contaminated with epoxy resin mixes were observed in the trash bins of Mix Room 2. The epoxy resin was observed to be affixed to the sides of the trash bins, indicating the epoxy resin was not solidified at the time of disposal. A review of the facility's waste profiles and uniform hazardous waste manifests indicate that both liquid and solid epoxy resin waste generated on-site has been determined to be hazardous (non-RCRA hazardous waste, solid (epoxy resin); non-RCRA hazardous waste, liquid (epoxy resin) and must be managed as a hazardous waste.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Violation Notes: amount of both introductory and continuing training that will be given to each person filling a position.
Returned to compliance on 02/19/2016. The facility's comprehensive hazardous waste training program is on-site and was reviewed during the inspection. Hazardous waste training records for new-hire and annual refresher training sessions are kept by the facility, but the records are missing the job title and job description for each employee receiving hazardous waste training.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Violation Notes: Returned to compliance on 02/19/2016. TSDF-copies of the following manifests from 2013 and 2014 are not available on-site for review: 2013 Manifests (CAL000202781): 000781727VES 000781728VES 000779309VES 000779311VES 2014 Manifests (CAR000064659): 000934322VES 000934323VES 000934323VES 000743886VES 000743886VES 000743887VES

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)

Violation Description: Failure to properly complete the Hazardous Waste manifest.

Violation Notes: Returned to compliance on 02/19/2016. The facility generates more than 100kg of RCRA hazardous waste in 2014, but shipped hazardous waste under a California EPA ID Number (CAL000202781) on the following uniform hazardous waste manifests: 000772550VES 000772788VES 000772866VES 000772992VES 000772993VES

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52

Violation Description: Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) A description of arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) All names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates; 4) A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan is to describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires); 6) The current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this chapter.

Violation Notes: Returned to compliance on 02/19/2016. The facility s Contingency Plan is available on-site and has been submitted to emergency response teams via CERS, but it is missing the following required information:
- Addresses for Emergency Coordinators - Location, physical description, and brief outline of capabilities for emergency response equipment - Arrangements agreed to by local Departments (Police, Fire, Hospitals, Contractors, State & Local Emergency Response Teams)

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 02/19/2016. 44 x 55 gallon empty drums and 1 x 15 gallon empty drums were observed in the facility s Hazardous Waste Storage Area. Several drums contain labels of their former contents, indicating that the drums formerly held hazardous materials. The drums are not labeled as empty and with the date in which they were emptied.

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Violation Notes: Waste, and starting accumulation date.
Returned to compliance on 02/19/2016. The following containers for solvent-contaminated debris were labeled as "Empty every night" but missing all other required label information: - 2 x red bins in Lab 3
- 2 x red bins in Production Area

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 02/19/2016. The facility's most recent Business Activities Page submittal lists the facility's EPA ID Number as CAL000202781. The facility's current EPA ID Number is CAR000064659. Additionally, the Business Owner/Operation Identification page incorrectly lists Martha Espitia-Pena's e-mail address, due to a typo in her name.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 160153
Site Name: Toray Advanced Composites
Violation Date: 01-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 02/19/2016. Facility generated over 12,000kg of hazardous waste in a reporting year and failed to conduct a source reduction evaluation review and plan pursuant to CCR 67100.5. A review of the facility's uniform hazardous wastes manifests confirms that the facility shipped over 12,000kg of hazardous waste in 2014. A Waste Minimization Template will be provided by the inspector. Complete a source reduction evaluation review and plan pursuant the plan format requirements of CCR 67100.5, including but not limited to 1) the name and location of the site, phone number, and identification number, 2) SIC codes, 3) type of business or activity conducted, 4) length of time the company has been in business, 5) products manufactured and services provided, 6) number of employees, 7) description of site operations, 8) amount of each eligible waste generated and how it is managed, 9) a discussion and evaluation of source reduction measures available and applicable to the generator, and 10) a [Truncated]

Violation Division: Santa Clara County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with Environmental Health & Safety Specialist, Martha Espitia-Pena and Environmental Health & Safety Manager, Suzanne Franz. NOTES: - CERS ID: 10348027 - Most Recent HMBP submittal: 11/19/2015 (Facility Information and Hazardous Materials Inventory), 3/12/2015 (Emergency Response Plan) - Emergency response training records for all employees are on-site and were reviewed during the inspection. - Based on the observations made during the inspection, the facility has approximately 33 hazardous materials/wastes in HMBP reportable quantities on-site. *Ensure that the property owner is notified that the facility is subject to and in compliance with HMBP requirements.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: On-site to conduct a routine hazardous waste inspection with Environmental Health & Safety Specialist, Martha Espitia-Pena and Environmental Health & Safety Manager, Suzanne Franz. The facility manufactures pre-impregnates composites for aerospace equipment applications. Mix Area I: 1 x 55 gallon drum of acetone waste with mixed resins (Accumulation Date: 12/17/2015) 1 x red bin of solvent-contaminated debris (Empty Daily) Production Area: 1 x 55 gallon drum of waste acetone rags (1/8/2016) 1 x red bin of solvent-contaminated debris (Empty Daily) Lab 1: 1 x red bin of epoxy phenolic resin waste* 1 x red bin of cyanate ester resin waste * 1 x red bin of waste solvent-contaminated debris* 1 x closed loop, HPLC machine that collects waste acetonitrile Lab 2: 1 x red bin of solvent-contaminated debris* Between Lab 2 and Lab 3: 1 x 55 gallon drum of spent nitric acid (Accumulation Date: 1/8/2016) 1 x 55 gallon drum of spent sulfuric acid** Lab x of [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Erik Rockwell
Affiliation Address: 18410 Butterfield Blvd
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95035
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 18410 Butterfield Blvd.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Toray Advanced Composites

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

S121472318

Affiliation Phone: (408) 776-0700,

Affiliation Type Desc: Property Owner
Entity Name: Packers Partners
Affiliation Country: United States
Affiliation Phone: (408) 489-1880,

Affiliation Type Desc: Parent Corporation
Entity Name: TenCate
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Document Preparer
Entity Name: Erik Rockwell
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Erik Rockwell
Entity Title: EH&S Manager
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Toray Advanced Composites
Affiliation Address: 18410 Butterfield Blvd
Affiliation City: Morhgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95035
Affiliation Phone: (408) 778-0700,

**G32
SSE
1/8-1/4
0.162 mi.
857 ft.**

**TENCATE ADVANCED COMPOSITES USA INC
18410 BUTTERFIELD BL
MORGAN HILL, CA 95037**

**CUPA Listings
EMI
CERS**

**S104582744
N/A**

Site 2 of 3 in cluster G

**Relative:
Lower
Actual:
363 ft.**

CUPA SANTA CLARA:
Name: TENCATE ADVANCED COMPOSITES USA INC
Address: 18410 BUTTERFIELD BL
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: GENERATES 100 KG YR TO <5 TONS/YR (RCRA LQG)
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.143142
Longitude: -121.657564
Record ID: PR0317893
Facility ID: FA0207439

Name: TENCATE ADVANCED COMPOSITES USA INC
Address: 18410 BUTTERFIELD BL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENCATE ADVANCED COMPOSITES USA INC (Continued)

S104582744

City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 22+ CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.143142
Longitude: -121.657564
Record ID: PR0375216
Facility ID: FA0207439

EMI:

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2007
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 3.742
Reactive Organic Gases Tons/Yr: 2.4959156
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2008
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4.786
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2009
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4.8090000000000002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENCATE ADVANCED COMPOSITES USA INC (Continued)

S104582744

Reactive Organic Gases Tons/Yr: 7.240000000000006E-2
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2010
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2.713000000000001
Reactive Organic Gases Tons/Yr: 1.8678306
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2011
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4.81
Reactive Organic Gases Tons/Yr: 0.0732367
Carbon Monoxide Emissions Tons/Yr: 0.004
NOX - Oxides of Nitrogen Tons/Yr: 0.018
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2012
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2.057
Reactive Organic Gases Tons/Yr: 0.112
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0.002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENCATE ADVANCED COMPOSITES USA INC (Continued)

S104582744

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2013
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 6.278
Reactive Organic Gases Tons/Yr: 0.0724
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2014
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 5.621399589
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: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2015
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4.5918548
Reactive Organic Gases Tons/Yr: 0.1813758
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENCATE ADVANCED COMPOSITES USA INC (Continued)

S104582744

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2016
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4.232001519
Reactive Organic Gases Tons/Yr: 0.072550314

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2017
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 7.896841069
Reactive Organic Gases Tons/Yr: 0.1253141368

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Year: 2018
County Code: 43
Air Basin: SF
Facility ID: 18212
Air District Name: BA
SIC Code: 2295
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 6.770029912
Reactive Organic Gases Tons/Yr: 1.2507430472

CERS:

Name: TENCATE
Address: 18410 BUTTERFIELD BLVD
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 498086
CERS ID: 110054205613
CERS Description: US EPA Air Emission Inventory System (EIS)

G33 **TORAY ADVANCED COMPOSITES**
SSE **18410 BUTTERFIELD BLVD**
1/8-1/4 **MORGAN HILL, CA 95037**
0.162 mi.
857 ft. **Site 3 of 3 in cluster G**

RCRA-LQG **1001959809**
ENVIROSTOR **CAR000064659**
WDS

Relative: RCRA Listings:
Lower Date Form Received by Agency: 20190614
Actual: Handler Name: TORAY ADVANCED COMPOSITES
363 ft. Handler Address: 18410 BUTTERFIELD BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Handler City,State,Zip:	MORGAN HILL, CA 95037-0000
EPA ID:	CAR000064659
Contact Name:	ERIK ROCKWELL
Contact Address:	BUTTERFIELD BLVD
Contact City,State,Zip:	MORGAN HILL, CA 95037-0000
Contact Telephone:	408-465-8513
Contact Email:	R.ROCKWELL@TORAYTAC-USA.COM
Contact Title:	EH&S MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Active Site Indicator:	Handler Activities
Mailing Address:	BUTTERFIELD BLVD
Mailing City,State,Zip:	MORGAN HILL, CA 95037
Owner Name:	TORAY TCAC HOLDING USA, INC.
Owner Type:	Private
Operator Name:	TORAY ADVANCED COMPOSITES
Operator Type:	Private
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 State-Reg Handler:	---
Hazardous Secondary Material Indicator:	NN
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
Handler Date of Last Change:	20190617
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D011
Waste Description: SILVER

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005

Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U112

Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U134

Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: ALIEN TECHNOLOGY

Legal Status: Private

Date Became Current: 20000401

Owner/Operator Indicator: Owner

Owner/Operator Name: PARKERS PARTNERS

Legal Status: Private

Date Became Current: 19980601

Owner/Operator Address: 18330 SUTTER BLVD.

Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Owner/Operator Telephone: 408-825-1824

Owner/Operator Indicator: Owner

Owner/Operator Name: TORAY TCAC HOLDING USA, INC.

Legal Status: Private

Date Became Current: 20180901

Owner/Operator Address: 18410 BUTTERFIELD BLVD

Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Owner/Operator Telephone: 408-465-8513

Owner/Operator Email: E.ROCKWELL@TORAYTAC-USA.COM

Owner/Operator Indicator: Owner

Owner/Operator Name: KIM DEYOUNG

Legal Status: Private

Date Became Current: 20050101

Owner/Operator Address: 630 S. ROSSMORE AVE.

Owner/Operator City,State,Zip: LOS ANGELES, CA 90005

Owner/Operator Indicator: Owner

Owner/Operator Name: ALIEN TECHNOLOGY CORP

Legal Status: Private

Owner/Operator Address: 18410 BUTTERFIELD BLVD

Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Owner/Operator Telephone: 510-783-1800

Owner/Operator Indicator: Owner
Owner/Operator Name: KIM DEYOUNG
Legal Status: Private
Date Became Current: 20050101
Owner/Operator Address: 630 S. ROSSMORE AVE.
Owner/Operator City,State,Zip: LOS ANGELES, CA 90005

Owner/Operator Indicator: Owner
Owner/Operator Name: GILDE BUY OUT PARTNERS
Legal Status: Private
Date Became Current: 20160201
Owner/Operator Address: 18410 BUTERFIELD BLVD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-465-8513
Owner/Operator Email: C.WURM@TCAC-USA.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TENCATE ADVANCED COMPOSITES
Legal Status: Private
Date Became Current: 19990501
Owner/Operator Address: 18410 BUTTERFIELD BLVD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-0000
Owner/Operator Telephone: 408-465-8513
Owner/Operator Email: C.WURM@TCAC-USA.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: PACKER PARTNERS
Legal Status: Private
Date Became Current: 19990101
Owner/Operator Address: 18300 SUTTER BLVD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037

Owner/Operator Indicator: Operator
Owner/Operator Name: ALIEN TECHNOLOGY
Legal Status: Private
Date Became Current: 20000401

Owner/Operator Indicator: Operator
Owner/Operator Name: TENCATE ADVANCE COMPOSITES
Legal Status: Private
Date Became Current: 19990102

Owner/Operator Indicator: Operator
Owner/Operator Name: TENCATE ADVANCED COMPOSITES
Legal Status: Private
Date Became Current: 19990501

Owner/Operator Indicator: Owner
Owner/Operator Name: KIM DEYOUNG
Legal Status: Private
Date Became Current: 20050101
Owner/Operator Address: 630 S. ROSSMORE AVE.
Owner/Operator City,State,Zip: LOS ANGELES, CA 90005

Owner/Operator Indicator: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Owner/Operator Name: ALIEN TECHNOLOGY
Legal Status: Private
Date Became Current: 20000401

Owner/Operator Indicator: Operator
Owner/Operator Name: TORAY ADVANCED COMPOSITES
Legal Status: Private
Date Became Current: 20190501
Owner/Operator Address: 18410 BUTTERFIELD BLVD
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-0000
Owner/Operator Telephone: 408-465-8513
Owner/Operator Email: E.ROCKWELL@TORAYTCAC-USA.COM

Historic Generators:

Receive Date: 20160224
Handler Name: TENCATE ADVANCE COMPOSITES
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20181026
Handler Name: TENCATE ADVANCED COMPOSITES
Federal Waste Generator Description: Large Quantity Generator
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: 20060227
Handler Name: ALIEN TECHNOLOGY
Federal Waste Generator Description: Small Quantity Generator
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

Receive Date: 20000120
Handler Name: ALIEN TECHNOLOGY CORP
Federal Waste Generator Description: Small Quantity Generator
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

Receive Date: 20061208

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Handler Name: ALIEN TECHNOLOGY *D
Federal Waste Generator Description: Not a generator, verified
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

Receive Date: 20140707
Handler Name: TENCATE ADVANCED COMPOSITES
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20190614
Handler Name: TORAY ADVANCED COMPOSITES
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20060227
Handler Name: ALIEN TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
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

List of NAICS Codes and Descriptions:

NAICS Code: 325211
NAICS Description: PLASTICS MATERIAL AND RESIN MANUFACTURING

NAICS Code: 32613
NAICS Description: LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

NAICS Code: 339999
NAICS Description: ALL OTHER MISCELLANEOUS MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160122
Violation Responsible Agency:	State
Evaluation Action Summary:	
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Date:	20160122
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

ENVIROSTOR:

Name:	ALIEN TECHNOLOGY CORPORATION
Address:	18410 BUTTERFIELD RD
City,State,Zip:	MORGAN HILL, CA 95037
Facility ID:	71004096
Status:	Inactive - Needs Evaluation
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Division Branch:	Cleanup Berkeley
Assembly:	30
Senate:	17
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Latitude:	37.14513
Longitude:	-121.6577
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAR000064659
Alias Type:	EPA Identification Number
Alias Name:	110002932097
Alias Type:	EPA (FRS #)
Alias Name:	71004096
Alias Type:	Envirostor ID Number

Completed Info:

WDS:

Name:	ALIEN TECHNOLOGY
Address:	18410 Butterfiled Blvd
City:	MORGAN HILL
Facility ID:	Central Coastal 43I015752

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORAY ADVANCED COMPOSITES (Continued)

1001959809

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: 3

Facility Telephone: 4087823915

Facility Contact: Mary Beth Miller

Agency Name: ALIEN TECHNOLOGY CORPORATION

Agency Address: 18410 BUTTERFIELD BOULEVARD

Agency City,St,Zip: MORGAN HILL 95307

Agency Contact: MARY BETH MILLER

Agency Telephone: 4087823915

Agency Type: Private

SIC Code: 0

Design Flow: 0

Baseline Flow: 0

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 those who 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.

F34
WSW
1/8-1/4
0.186 mi.
980 ft.

BIG 5 SPORTING GOODS #149
150 COCHRANE RD
MORGAN HILL, CA 95037

CUPA Listings **S121287925**
N/A

Site 2 of 2 in cluster F

Relative:
Lower

Actual:
358 ft.

CUPA SANTA CLARA:

Name: BIG 5 SPORTING GOODS #149

Address: 150 COCHRANE RD

City,State,Zip: MORGAN HILL, CA 95037

Region: SANTA CLARA

PE#: 2202

Program Description: GENERATES < 100 KG/YR

Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM

Latitude: 37.1497546

Longitude: -121.6547624

Record ID: PR0428510

Facility ID: FA0285816

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

35
ENE
1/8-1/4
0.188 mi.
995 ft.

BENJAMIN S STEIN DDS
18525 SUTTER BL 190
MORGAN HILL, CA 95037

CUPA Listings **S121472816**
N/A

Relative:
Higher

CUPA SANTA CLARA:

Actual:
370 ft.

Name: BENJAMIN S STEIN DDS
Address: 18525 SUTTER BL 190
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2240
Program Description: GENERATES < 10 GAL/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.148588
Longitude: -121.656099
Record ID: PR0379235
Facility ID: FA0256011

36
NW
1/8-1/4
0.189 mi.
999 ft.

AM
18855 ADAMS CT
MORGAN HILL, CA 95037

RCRA-SQG **1023966989**
FINDS **CAR000277889**

Relative:
Lower

RCRA Listings:

Actual:
361 ft.

Date Form Received by Agency: 20171201
Handler Name: AM
Handler Address: 18855 ADAMS CT
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAR000277889
Contact Name: JOE N ORTANEZ
Contact Address: ADAMS CT
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 571-315-9507
Contact Email: JOE.ORTANEZ@PCTEST.COM
Contact Title: FACILITIES MANAGER
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Active Site Indicator: Handler Activities
Mailing Address: DOBBIN RD
Mailing City,State,Zip: COLUMBIA, MD 21045
Owner Name: RANDY ORTANEZ
Owner Type: Private
Operator Name: RANDY ORTANEZ
Operator Type: Private
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM (Continued)

1023966989

Active Site State-Reg Handler: ---
Hazardous Secondary Material Indicator: NN
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDs Where RCRA CA has Been Imposed Universe: No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDs 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
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
Handler Date of Last Change: 20171201
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

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: RANDY ORTANEZ
Legal Status: Private
Date Became Current: 20171201
Owner/Operator Address: 6660B DOBBIN RD
Owner/Operator City,State,Zip: COLUMBIA, MD 21045
Owner/Operator Email: RANDY.ORTANEZ@PCTEST.COM

Owner/Operator Indicator: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM (Continued)

1023966989

Owner/Operator Name: RANDY ORTANEZ
Legal Status: Private
Date Became Current: 20171201
Owner/Operator Address: 6660B DOBBIN RD
Owner/Operator City,State,Zip: COLUMBIA, MD 21045
Owner/Operator Email: RANDY.ORTANEZ@PCTEST.COM

Historic Generators:

Receive Date: 20171201
Handler Name: AM
Federal Waste Generator Description: Small Quantity Generator
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: 541715
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110070206428

[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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E37
NNW
1/8-1/4
0.192 mi.
1013 ft.
BRUCE'S CUSTOM COVERS
18850 ADAMS CT
MORGAN HILL, CA 95037
Site 4 of 5 in cluster E

CUPA Listings **S118494207**
N/A

Relative: CUPA SANTA CLARA:
Lower Name: BRUCE'S CUSTOM COVERS
Address: 18850 ADAMS CT
Actual: City,State,Zip: MORGAN HILL, CA 95037
361 ft. Region: SANTA CLARA
PE#: 2205
Program Description: GENERATES 100 KG YR TO <5 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.1492596
Longitude: -121.6621769
Record ID: PR0422906
Facility ID: FA0281834

E38
NNW
1/8-1/4
0.192 mi.
1013 ft.
AIRCRAFT COVERS INC DBA BRUCES CUSTOM COVERS DBA H
18850 ADAMS CT
MORGAN HILL, CA 95037
Site 5 of 5 in cluster E

RCRA NonGen / NLR **1024853814**
CAL000414016

Relative: RCRA Listings:
Lower Date Form Received by Agency: 20160202
Actual: Handler Name: AIRCRAFT COVERS INC DBA BRUCES CUSTOM COVERS DBA HEATSHIELD
361 ft. Handler Address: 18850 ADAMS CT
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000414016
Contact Name: JAVIER URANGA
Contact Address: 18850 ADAMS CT
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-739-3959
Contact Fax: 408-738-2729
Contact Email: JAVIER@AIRCRAFTCOVERS.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 18850 ADAMS CT
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: AIRCRAFT COVERS INC
Owner Type: Other
Operator Name: JAVIER URANGA
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 State-Reg Handler: ---

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT COVERS INC DBA BRUCES CUSTOM COVERS DBA HEATSHIELD (Continued)

1024853814

Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
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:	JAVIER URANGA
Legal Status:	Other
Owner/Operator Address:	18850 ADAMS CT
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-739-3959

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIRCRAFT COVERS INC
Legal Status:	Other
Owner/Operator Address:	18850 ADAMS CT
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-739-3959

Historic Generators:

Receive Date:	20160202
Handler Name:	AIRCRAFT COVERS INC DBA BRUCES CUSTOM COVERS DBA HEATSHIELD
Federal Waste Generator Description:	Not a generator, verified
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT COVERS INC DBA BRUCES CUSTOM COVERS DBA HEATSHIELD (Continued)

1024853814

List of NAICS Codes and Descriptions:

NAICS Code: 314912
NAICS Description: CANVAS AND RELATED PRODUCT MILLS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

H39
WNW
1/8-1/4
0.195 mi.
1030 ft.

OZUNA FOOD PRODUCTS CORP.
180 COCHRANE CIR
MORGAN HILL, CA 95037
Site 1 of 4 in cluster H

CERS HAZ WASTE
CERS
S124438441
N/A

Relative:
Lower

CERS HAZ WASTE:

Actual:
359 ft.

Name: OZUNA FOOD PRODUCTS CORP.
Address: 180 COCHRANE CIR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 523014
CERS ID: 10792492
CERS Description: Hazardous Waste Generator

CERS:

Name: OZUNA FOOD PRODUCTS CORP.
Address: 180 COCHRANE CIR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 523014
CERS ID: 10792492
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 05-13-2021
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: Facility failed to provide and document annual training to all employees in emergency response and safety procedures. Provide and document in emergency response and safety procedures training within 30 days. Training document template was provided with email along with Notice of Inspection.
Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,
Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 05-13-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OZUNA FOOD PRODUCTS CORP. (Continued)

S124438441

Violation Description: 6.95, Section(s) 25508(a)(3)
Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Facility failed to report 4 x 7 gallon cylinders of propane and 1 x 55 gallon drum of used oil in CERS submittal dated 6/24/2020. Within 30 days, electronically submit an HMBP, including an accurate Hazardous Materials Inventory through the California Environmental Reporting System (<https://cers.calepa.ca.gov>).

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 05-13-2021
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Observed compressor located in hazardous waste storage, which is located in the vicinity of storm drain, leaking oily water.
Immediately begin capturing leakage and dispose of as hazardous waste.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 05-13-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Observed 2 x 55 gallon containers holding used oil with no label
Observed 1 x 5 gallon bucket containing waste diesel with no label
Mark hazardous waste containers with the words "HAZARDOUS WASTE;" the accumulation start date; the name and address of the generator; and the composition, physical state, and hazardous properties of the waste.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 04-22-2019
Citation: Un-Specified
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/11/2019. Facility failed to obtain a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OZUNA FOOD PRODUCTS CORP. (Continued)

S124438441

Hazardous Waste Generator permit from our agency, Hazardous Materials Compliance Division.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 04-22-2019
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 12/11/2019. Facility failed to submit a Hazardous Materials Business Plan (HMBP) through CERS or FrontCounter within 30 days of storing hazardous materials in reportable thresholds. Contact David Ayers at (669) 216 0340 for assistance with HMBP submittal.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 523014
Site Name: Ozuna Food Products Corp.
Violation Date: 05-13-2021
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.
Violation Notes: Observed one 5 quart container with an unknown substance along the southern fence where someone used to reside. Observed one 5 gallon bucket with an unknown substance along the southern fence which belonged to person maintaining a dump truck, outside the fence Metal dustings from occasional machine work is currently being thrown away in garbage Determine if materials above are hazardous waste. Store and dispose of as hazardous waste if determined to be so.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-22-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: On-site with David Ayers, Hazardous Materials Technician, to conduct a Hazardous Materials Business Plan (HMBP) permit investigation. Facility is a tortilla- making factory. Facility conducts their own fleet maintenance and has 2 forklifts. Walk-through was conducted with Michael Ozura, Production Manager. The following hazardous materials were observed at or above HBMP quantities: 3 x 55 gallons of used oil 2 x 7 gallon cylinders of propane Facility will be permitted for handling 1-3 different hazardous materials (BP01) mozuna@ozunafoodproducts.com

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OZUNA FOOD PRODUCTS CORP. (Continued)

S124438441

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-22-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: On-site with David Ayers, Hazardous Materials Technician, to conduct a Hazardous Waste Generator permit investigation. Facility is a tortilla- making factory. Facility conducts their own fleet maintenance. Facility walk through was conducted with Michael Ozura, Production Manager. Hazardous waste streams observed during walk-through include: used oil waste diesel Notes: State ID# CAL000444379 is active When asked about how used oil filters are disposed of, Mr. Ozuna stated that he is does not know. Mr. Ozuna also stated that they do not handle waste coolant. Hazardous waste labels were provided California empty was defined for Mr. Ozuna in regards to several empty 5 gallon buckets of new oil on site. Operator stated that 2 used oil drums were accumulated in the span of 2 years. Facility will be permitted for generating <100 kg/ month of hazardous waste (2202)

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
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: Inspection began on 5/12/2021 with on-site inspection and concluded on 5/13 with the issuance of this report. On-site on 5/12/2021 with Donald Copeland, Hazardous Materials Specialist, to conduct a Hazardous Waste Generator routine inspection. Facility is a tortilla factory and distributor. Facility walk-through was conducted with Michael Ozuna, manager. Facility walk-through was conducted with Michael Ozuna, manager. The following hazardous wastes are being generated: waste diesel is being generated by independent contractor as solvent used for cleaning machine parts. Waste diesel is being disposed of by contractor used oil from fleet maintenance occurs occasionally. According to Mr. Ozuna, trucks are also maintained off-site used oil from machine maintenance that occurs "2 or 3" times per year and produces 2 gallons of used oil is taken to Autozone State ID CAL000444379 is active as of 5/12/2021 according to HWTS Fire extinguishers were last maintained [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
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: Inspection began on 5/12/2021 with on-site inspection and concluded on 5/13 with the issuance of this report. On-site on 5/12/2021 with Donald Copeland, Hazardous Materials Specialist, to conduct a Hazardous Materials Business Plan (HMBP) Program routine inspection of Don Vito Ozuna Foods. Facility is a tortilla factory and distributor. Facility walk-through was conducted with Michael Ozuna, manager. The

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OZUNA FOOD PRODUCTS CORP. (Continued)

S124438441

following hazardous materials were observed above state reportable thresholds: 4 x 7 gallon cylinders of propane 2 x 55 gallon drum of used oil The following hazardous materials were observed below business plan thresholds: waste diesel, new oil, hydraulic oil
Business owner is also property owner

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 180 Cochrane Cir
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Michael Ozuna
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Michael Ozuna
Affiliation Address: 180 Cochrane Cir
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Severo Ozuna
Affiliation Country: United States
Affiliation Phone: (408) 465-2010,

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Document Preparer
Entity Name: Michael Ozuna
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Don Vito Ozuna Food Corp
Affiliation Address: 180 Cochrane Cir
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 465-2010,

Affiliation Type Desc: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OZUNA FOOD PRODUCTS CORP. (Continued)

S124438441

Entity Name: Ozuna Food Products Corp
Affiliation Phone: (408) 465-2010,

Affiliation Type Desc: Parent Corporation
Entity Name: Ozuna Food Products Corp.
Affiliation Phone: ,

**I40
East
1/8-1/4
0.206 mi.
1086 ft.**

**ANRITSU COMPANY
490 JARVIS DR
MORGAN HILL, CA 95037**

**CERS HAZ WASTE
HAZNET
CERS
HWTS**

**S113010574
N/A**

Site 1 of 3 in cluster I

**Relative:
Higher

Actual:
371 ft.**

CERS HAZ WASTE:
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92459
CERS ID: 10353349
CERS Description: Hazardous Waste Generator

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92459
CERS ID: 10353349
CERS Description: Hazardous Waste Onsite Treatment

HAZNET:
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 950370000
Contact: BEN HARTSHORN
Telephone: 4082011038
Mailing Address: 490 JARVIS DR

Year: 2021
Gepaid: CAD981695109
TSD EPA ID: CAD982052797
CA Waste Code: 711 - Liquids with cyanides >= 1,000 Mg./L
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.07923

Year: 2021
Gepaid: CAD981695109
TSD EPA ID: CAD982052797
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.0125

Year: 2021
Gepaid: CAD981695109
TSD EPA ID: NVT330010000
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Tons:	0.009
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	NMD002208627
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:	0.346
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	CAD980675276
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.2255
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	NVT330010000
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:	0.51
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	NED981723513
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:	0.425
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	CAD982052797
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.042
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	AZR000520478
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:	2.0935
Year:	2021
Gepaid:	CAD981695109
TSD EPA ID:	NVT330010000
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.204

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

[Click this hyperlink](#) while viewing on your computer to access
344 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year: 2020
EM Manifest ID: 5100a492-4cf0-4327-befc-af70b62923ed
Shipment Date: 8/20/2020
Receipt Date: 9/9/2020
Manifest Number: 015282992FLE
Generator EPA ID: CAD981695109
Name: WILTRON COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 888-785-7225
Contact: ENVIRONMENTAL MANAGER
Contact Telephone: 408-778-2000
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAR000183574
TSDF EPA ID: AZR000520478
TSDF Name: ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1: 31915 INDUSTRIAL LANE
TSDF City: PAKER
TSDF Zip: 85344

State:

Year: 2020
EM Manifest ID: 5100a492-4cf0-4327-befc-af70b62923ed
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282992FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.20900
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 221

Year: 2020
EM Manifest ID: e7afa187-a747-4b8f-940f-6f6a8609d588
Shipment Date: 8/20/2020
Receipt Date: 9/10/2020
Manifest Number: 015282993FLE
Generator EPA ID: CAD981695109
Name: WILTRON COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 888-785-7225
Contact Telephone: 888-785-7225
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAR000183574

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

Federal:

Year: 2020
EM Manifest ID: e7afa187-a747-4b8f-940f-6f6a8609d588
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282993FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2020
EM Manifest ID: e7afa187-a747-4b8f-940f-6f6a8609d588
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282993FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2020
EM Manifest ID: 33df7534-292c-4c66-9557-d5c71100b147
Shipment Date: 8/20/2020
Receipt Date: 9/15/2020
Manifest Number: 015282994FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: NED981723513
TSDF Name: Clean Harbors Environmental Services, Inc.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSD Address 1: 2247 South Highway 71
TSD City: Kimball
TSD Zip: 69145
TSD Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 33df7534-292c-4c66-9557-d5c71100b147
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282994FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.13700
Quantity Waste: 274.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 33df7534-292c-4c66-9557-d5c71100b147
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282994FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.13700
Quantity Waste: 274.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: 33df7534-292c-4c66-9557-d5c71100b147
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282994FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.13700
Quantity Waste: 274.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

State:

Year: 2020
EM Manifest ID: 33df7534-292c-4c66-9557-d5c71100b147
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282994FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Line Number: 1
Method Code: H040
Quantity Tons: 0.13700
Quantity Waste: 274.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2020
EM Manifest ID: aaf14a4f-089b-4add-8341-27aa8f5a7695
Shipment Date: 8/20/2020
Receipt Date: 10/9/2020
Manifest Number: 015282990FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: CAD980675276
TSDF Name: Clean Harbors Buttonwillow LLC
TSDF Address 1: 2500 West Lokern Road
TSDF City: Buttonwillow
TSDF Zip: 93206
TSDF Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: aaf14a4f-089b-4add-8341-27aa8f5a7695
Generator EPA ID: CAD981695109
Shipment Date: 2020-08-20
Manifest Number: 015282990FLE
Line Number: 1
Method Code: H132
Quantity Tons: 0.01400
Quantity Waste: 28.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2020
EM Manifest ID: cb1001c7-792e-499a-b3c7-29b4050ad3d3
Shipment Date: 7/23/2020
Receipt Date: 8/27/2020
Manifest Number: 014455595FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MOD095038998
TSDF EPA ID: NED981723513
TSDF Name: Clean Harbors Environmental Services, Inc.
TSDF Address 1: 2247 South Highway 71
TSDF City: Kimball
TSDF Zip: 69145
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: cb1001c7-792e-499a-b3c7-29b4050ad3d3
Generator EPA ID: CAD981695109
Shipment Date: 2020-07-23
Manifest Number: 014455595FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.27105
Quantity Waste: 65.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
Federal Code: D001

Year: 2020
EM Manifest ID: cb1001c7-792e-499a-b3c7-29b4050ad3d3
Generator EPA ID: CAD981695109
Shipment Date: 2020-07-23
Manifest Number: 014455595FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.27105
Quantity Waste: 65.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
Federal Code: F003

Year: 2020
EM Manifest ID: cb1001c7-792e-499a-b3c7-29b4050ad3d3
Generator EPA ID: CAD981695109
Shipment Date: 2020-07-23
Manifest Number: 014455595FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.27105
Quantity Waste: 65.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Federal Code: F005

State:

Year: 2020

EM Manifest ID: cb1001c7-792e-499a-b3c7-29b4050ad3d3

Generator EPA ID: CAD981695109

Shipment Date: 2020-07-23

Manifest Number: 014455595FLE

Line Number: 1

Method Code: H040

Quantity Tons: 0.27105

Quantity Waste: 65.000000

Quantity Unit: G

Number of Containers: 2

Type of Container: Metal drums, barrels, kegs

Quantity Type: Gallons

State Code: 133

Year: 2020

EM Manifest ID: 21f1f91d-a260-4ec8-95ec-c306c00ff206

Shipment Date: 7/23/2020

Receipt Date: 8/11/2020

Manifest Number: 014455597FLE

Generator EPA ID: CAD981695109

Name: WILTRON COMPANY

Address: 490 JARVIS DR

City: MORGAN HILL

Zip: 95037

Telephone: 888-785-7225

Contact: ENVIRONMENTAL MANAGER

Contact Telephone: 408-778-2000

Transporter 1 EPA ID: CAR000070540

Transporter 2 EPA ID: CAR000183574

TSDF EPA ID: AZR000520478

TSDF Name: ENVIRONMENTAL WASTE SOLUTIONS, INC.

TSDF Address 1: 31915 INDUSTRIAL LANE

TSDF City: PAKER

TSDF Zip: 85344

State:

Year: 2020

EM Manifest ID: 21f1f91d-a260-4ec8-95ec-c306c00ff206

Generator EPA ID: CAD981695109

Shipment Date: 2020-07-23

Manifest Number: 014455597FLE

Line Number: 1

Method Code: H141

Quantity Tons: 0.22500

Quantity Waste: 450.000000

Quantity Unit: P

Number of Containers: 1

Type of Container: Fiberboard or plastic drums, barrels, kegs

Quantity Type: Pounds

State Code: 221

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Year: 2020
EM Manifest ID: fe82ecc4-8e5d-4e9f-aad4-2f966683d4c7
Shipment Date: 4/23/2020
Receipt Date: 5/11/2020
Manifest Number: 014574966FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: CAD059494310
TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: fe82ecc4-8e5d-4e9f-aad4-2f966683d4c7
Generator EPA ID: CAD981695109
Shipment Date: 2020-04-23
Manifest Number: 014574966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.36850
Quantity Waste: 737.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: fe82ecc4-8e5d-4e9f-aad4-2f966683d4c7
Generator EPA ID: CAD981695109
Shipment Date: 2020-04-23
Manifest Number: 014574966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.36850
Quantity Waste: 737.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: fe82ecc4-8e5d-4e9f-aad4-2f966683d4c7
Generator EPA ID: CAD981695109
Shipment Date: 2020-04-23
Manifest Number: 014574966FLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Line Number: 1
Method Code: H141
Quantity Tons: 0.36850
Quantity Waste: 737.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

State:

Year: 2020
EM Manifest ID: fe82ecc4-8e5d-4e9f-aad4-2f966683d4c7
Generator EPA ID: CAD981695109
Shipment Date: 2020-04-23
Manifest Number: 014574966FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.36850
Quantity Waste: 737.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2020
EM Manifest ID: 3e825067-3e80-4983-a638-892a97b7e0fb
Shipment Date: 3/4/2020
Receipt Date: 4/10/2020
Manifest Number: 014591220FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: ARD069748192
TSDF Name: Clean Harbors El Dorado LLC
TSDF Address 1: 309 American Circle
TSDF City: El Dorado
TSDF Zip: 71730
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 3e825067-3e80-4983-a638-892a97b7e0fb
Generator EPA ID: CAD981695109
Shipment Date: 2020-03-04
Manifest Number: 014591220FLE
Line Number: 1
Method Code: H040

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Quantity Tons: 0.08500
Quantity Waste: 170.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:

Year: 2020
EM Manifest ID: 3e825067-3e80-4983-a638-892a97b7e0fb
Generator EPA ID: CAD981695109
Shipment Date: 2020-03-04
Manifest Number: 014591220FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.08500
Quantity Waste: 170.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2020
EM Manifest ID: 867881
Shipment Date: 12/2/2019
Receipt Date: 12/17/2019
Manifest Number: 014159874FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 800-483-3718
Contact: Jason Catalano
Contact Telephone: 408-548-5050
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: CAD059494310
TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 867881
Generator EPA ID: CAD981695109
Shipment Date: 2019-12-02
Manifest Number: 014159874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.24800
Quantity Waste: 496.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 867881
Generator EPA ID: CAD981695109
Shipment Date: 2019-12-02
Manifest Number: 014159874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.24800
Quantity Waste: 496.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: 867881
Generator EPA ID: CAD981695109
Shipment Date: 2019-12-02
Manifest Number: 014159874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.24800
Quantity Waste: 496.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

State:
Year: 2020
EM Manifest ID: 867881
Generator EPA ID: CAD981695109
Shipment Date: 2019-12-02
Manifest Number: 014159874FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.24800
Quantity Waste: 496.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2020
EM Manifest ID: 0d731546-a452-4a11-bdd8-577d79dd9a98
Shipment Date: 10/22/2020
Receipt Date: 10/28/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Manifest Number: 015425696FLE
Generator EPA ID: CAD981695109
Name: WILTRON COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 888-785-7225
Contact: ENVIRONMENTAL MANAGER
Contact Telephone: 408-778-2000
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAD982523433
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1: EDITH BLVD NE
TSDF City: ALBUQUERQUE
TSDF Zip: 87107

Federal:

Year: 2020
EM Manifest ID: 0d731546-a452-4a11-bdd8-577d79dd9a98
Generator EPA ID: CAD981695109
Shipment Date: 2020-10-22
Manifest Number: 015425696FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.05250
Quantity Waste: 105.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:

Year: 2020
EM Manifest ID: 0d731546-a452-4a11-bdd8-577d79dd9a98
Generator EPA ID: CAD981695109
Shipment Date: 2020-10-22
Manifest Number: 015425696FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.05250
Quantity Waste: 105.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Detail Two:

Year: 2019
EM Manifest ID: 752766
Shipment Date: 9/9/2019
Receipt Date: 9/30/2019
Manifest Number: 013819551FLE
Generator EPA ID: CAD981695109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037-0000
Telephone: 888-785-7225
Contact Telephone: 408-201-1038
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAR000154740
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1: 6133 EDITH BLVD NE
TSDF City: ALBUQUERQUE
TSDF Zip: 87107

Federal:

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Federal Code: F005

State:

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.10050
Quantity Waste: 201.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

Year: 2019
EM Manifest ID: 752766
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-09
Manifest Number: 013819551FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.24550
Quantity Waste: 491.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

Year: 2019
EM Manifest ID: 754528
Shipment Date: 9/16/2019
Receipt Date: 10/2/2019
Manifest Number: 013778738FLE
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Address: 490 JARVIS DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

City: MORGAN HILL
Zip: 95037-0000
Telephone: 888-785-7225
Contact Telephone: 408-201-1038
Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAR000154740
TSDf EPA ID: NMD002208627
TSDf Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDf Address 1: 6133 EDITH BLVD NE
TSDf City: ALBUQUERQUE
TSDf Zip: 87107

Federal:

Year: 2019
EM Manifest ID: 754528
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-16
Manifest Number: 013778738FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.09850
Quantity Waste: 197.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:

Year: 2019
EM Manifest ID: 754528
Generator EPA ID: CAD981695109
Shipment Date: 2019-09-16
Manifest Number: 013778738FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.09850
Quantity Waste: 197.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 1046103
Shipment Date: 6/19/2019
Receipt Date: 7/12/2019
Manifest Number: 013537130FLE
Generator EPA ID: CAD981695109
Name: WILTRON COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 888-785-7225
Contact Telephone: 408-778-2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Transporter 1 EPA ID: CAR000070540
Transporter 2 EPA ID: CAR000154740
TSDF EPA ID: NMD002208627
TSDF Name: ADVANCED CHEMICAL TREATMENT, LLC
TSDF Address 1: 6133 EDITH BLVD NE
TSDF City: ALBUQUERQUE
TSDF Zip: 87107

Federal:

Year: 2019
EM Manifest ID: 1046103
Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.22700
Quantity Waste: 454.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 1046103
Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.22700
Quantity Waste: 454.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2019
EM Manifest ID: 1046103
Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.22700
Quantity Waste: 454.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

State:

Year: 2019
EM Manifest ID: 1046103

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.22700
Quantity Waste: 454.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

Year: 2019
EM Manifest ID: 1046103
Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.22700
Quantity Waste: 454.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 133

Year: 2019
EM Manifest ID: 1046103
Generator EPA ID: CAD981695109
Shipment Date: 2019-06-19
Manifest Number: 013537130FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.16500
Quantity Waste: 330.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 233988
Shipment Date: 12/5/2018
Receipt Date: 12/21/2018
Manifest Number: 012677066FLE
Generator EPA ID: CAD981695109
Name: WILTRON COMPANY
Address: 490 JARVIS DR
City: MORGAN HILL
Zip: 95037
Telephone: 888-785-7225
Contact Telephone: 408-778-2000
Transporter 1 EPA ID: CAR000070540

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Transporter 2 EPA ID: CAR000154740
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-510-8510

Federal:

Year: 2019
EM Manifest ID: 233988
Generator EPA ID: CAD981695109
Shipment Date: 2018-12-05
Manifest Number: 012677066FLE
Line Number: 1
Method Code: H039
Quantity Tons: 0.08250
Quantity Waste: 165.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 233988
Generator EPA ID: CAD981695109
Shipment Date: 2018-12-05
Manifest Number: 012677066FLE
Line Number: 2
Method Code: H039
Quantity Tons: 0.16500
Quantity Waste: 330.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

State:

Year: 2019
EM Manifest ID: 233988
Generator EPA ID: CAD981695109
Shipment Date: 2018-12-05
Manifest Number: 012677066FLE
Line Number: 1
Method Code: H039
Quantity Tons: 0.08250
Quantity Waste: 165.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 233988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Generator EPA ID: CAD981695109
Shipment Date: 2018-12-05
Manifest Number: 012677066FLE
Line Number: 2
Method Code: H039
Quantity Tons: 0.16500
Quantity Waste: 330.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 233988
Generator EPA ID: CAD981695109
Shipment Date: 2018-12-05
Manifest Number: 012677066FLE
Line Number: 3
Method Code: H132
Quantity Tons: 0.02250
Quantity Waste: 45.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Detail Two:

Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Shipment Date: 9/29/2017
Receipt Date: 10/20/2017
Manifest Number: 017087800JJK
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: CAD982523433
TSDF EPA ID: ARD981057870
TSDF Name: RINECO

Federal:

Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087800JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087800JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087800JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087800JJK
Line Number: 2
Method Code: H061
Quantity Tons: 0.02250
Quantity Waste: 45.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D008

State:
Year: 2018
EM Manifest ID: 017087800JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087800JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	017087800JJK20170929_D_1
Generator EPA ID:	CAD981695109
Shipment Date:	2017-09-29
Manifest Number:	017087800JJK
Line Number:	2
Method Code:	H061
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017087799JJK20170929_D_1
Shipment Date:	9/29/2017
Receipt Date:	10/10/2017
Manifest Number:	017087799JJK
Generator EPA ID:	CAD981695109
Name:	ANRITSU COMPANY
Transporter 1 EPA ID:	CAR000179747
Transporter 2 EPA ID:	CAD982523433
TSDf EPA ID:	NVT330010000
TSDf Name:	US ECOLOGY- BEATTY
State:	
Year:	2018
EM Manifest ID:	017087799JJK20170929_D_1
Generator EPA ID:	CAD981695109
Shipment Date:	2017-09-29
Manifest Number:	017087799JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017087799JJK20170929_D_1
Generator EPA ID:	CAD981695109
Shipment Date:	2017-09-29
Manifest Number:	017087799JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 017087801JJK20170929_D_1
Shipment Date: 9/29/2017
Receipt Date: 10/16/2017
Manifest Number: 017087801JJK
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: RHO-CHEM LLC

Federal:
Year: 2018
EM Manifest ID: 017087801JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087801JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.07506
Quantity Waste: 18.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 017087801JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087801JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.06255
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 017087801JJK20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087801JJK
Line Number: 1
Method Code: H141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Quantity Tons: 0.07506
Quantity Waste: 18.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 791

Year: 2018
EM Manifest ID: 017087801JJJ20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087801JJJ
Line Number: 2
Method Code: H141
Quantity Tons: 0.06255
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 791

Year: 2018
EM Manifest ID: 017087798JJJ20170929_D_1
Shipment Date: 9/29/2017
Receipt Date: 11/10/2017
Manifest Number: 017087798JJJ
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: ARD069748192
TSDF Name: CLEAN HARBORS EL DORADO LLC

State:
Year: 2018
EM Manifest ID: 017087798JJJ20170929_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-09-29
Manifest Number: 017087798JJJ
Line Number: 1
Quantity Tons: 0.01650
Quantity Waste: 5.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 017089585JJJ20170803_D_1
Shipment Date: 8/3/2017
Receipt Date: 8/15/2017
Manifest Number: 017089585JJJ
Generator EPA ID: CAD981695109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: CAD982523433
TSDF EPA ID: ARD981057870
TSDF Name: RINECO

Federal:

Year: 2018
EM Manifest ID: 017089585JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJJ
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 017089585JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJJ
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 017089585JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJJ
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

Year: 2018
EM Manifest ID: 017089585JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJJ
Line Number: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Method Code: H061
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D008

State:

Year: 2018
EM Manifest ID: 017089585JJK20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 017089585JJK20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089585JJK
Line Number: 2
Method Code: H061
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 017089586JJK20170803_D_1
Shipment Date: 8/3/2017
Receipt Date: 9/4/2017
Manifest Number: 017089586JJK
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: ARD069748192
TSDF Name: CLEAN HARBORS EL DORADO LLC

State:

Year: 2018
EM Manifest ID: 017089586JJK20170803_D_1
Generator EPA ID: CAD981695109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Shipment Date: 2017-08-03
Manifest Number: 017089586JJJ
Line Number: 1
Method Code: H040
Quantity Tons: 0.01650
Quantity Waste: 5.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 017089584JJJ20170803_D_1
Shipment Date: 8/3/2017
Receipt Date: 8/22/2017
Manifest Number: 017089584JJJ
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MNS000110924
TSDF EPA ID: CAD008364432
TSDF Name: RHO-CHEM LLC

Federal:
Year: 2018
EM Manifest ID: 017089584JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089584JJJ
Line Number: 1
Method Code: H141
Quantity Tons: 0.12510
Quantity Waste: 30.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 017089584JJJ20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089584JJJ
Line Number: 1
Method Code: H141
Quantity Tons: 0.12510
Quantity Waste: 30.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 122

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Year: 2018
EM Manifest ID: 017089583JJk20170803_D_1
Shipment Date: 8/3/2017
Receipt Date: 8/21/2017
Manifest Number: 017089583JJk
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: UTD981552177
TSDF Name: CLEAN HARBORS ARAGONITE LLC

Federal:

Year: 2018
EM Manifest ID: 017089583JJk20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089583JJk
Line Number: 1
Method Code: H040
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:

Year: 2018
EM Manifest ID: 017089583JJk20170803_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-03
Manifest Number: 017089583JJk
Line Number: 1
Method Code: H040
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 017090146JJk20170822_D_1
Shipment Date: 8/22/2017
Receipt Date: 9/3/2017
Manifest Number: 017090146JJk
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: CAD982523433
TSDF EPA ID: ARD981057870
TSDF Name: RINECO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Federal:

Year: 2018
EM Manifest ID: 017090146JJK20170822_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-22
Manifest Number: 017090146JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.22500
Quantity Waste: 450.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D008

State:

Year: 2018
EM Manifest ID: 017090146JJK20170822_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2017-08-22
Manifest Number: 017090146JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.22500
Quantity Waste: 450.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 000224256DAT20180530_D_1
Shipment Date: 5/30/2018
Receipt Date: 6/12/2018
Manifest Number: 000224256DAT
Generator EPA ID: CAD981695109
Name: ANRITSU COMPANY
Transporter 1 EPA ID: CAR000179747
Transporter 2 EPA ID: MAD039322250
TSDF EPA ID: CAD059494310
TSDF Name: CLEAN HARBORS SAN JOSE LLC

Federal:

Year: 2018
EM Manifest ID: 000224256DAT20180530_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2018-05-30
Manifest Number: 000224256DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 000224256DAT20180530_D_1
Generator EPA ID: CAD981695109
Shipment Date: 2018-05-30
Manifest Number: 000224256DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Additional Info:
Year: 2017
Gen EPA ID: CAD981695109

Shipment Date: 20171207
Creation Date: 8/23/2018 18:30:16
Receipt Date: 20171222
Manifest ID: 000198300DAT
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: MNS000110924
Trans 2 Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID: CAD008364432
Trans Name: RHO-CHEM LLC
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: 0.10425
Waste Quantity: 25
Quantity Unit: G

Shipment Date: 20171207
Creation Date: 7/11/2018 18:30:30
Receipt Date: 20171220
Manifest ID: 000198299DAT
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Shipment Date:	20171207
Creation Date:	7/11/2018 18:30:30
Receipt Date:	20171220
Manifest ID:	000198299DAT
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Shipment Date:	20171207
Creation Date:	8/23/2018 18:30:16
Receipt Date:	20171222
Manifest ID:	000198300DAT
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D004
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
Shipment Date:	20171207
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20171221
Manifest ID:	000198301DAT
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Shipment Date: 20171114
Creation Date: 7/19/2018 18:30:11
Receipt Date: 20171215
Manifest ID: 017089889JJJ
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAR000179747
Trans 2 Name: INGENIUM (ESCONDIDO)
TSDf EPA ID: CAD008364432
Trans Name: RHO-CHEM LLC
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/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.22101
Waste Quantity: 53
Quantity Unit: G

Shipment Date: 20171025
Creation Date: 6/20/2018 18:31:51
Receipt Date: 20171026
Manifest ID: 005852034SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDf EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.417
Waste Quantity: 100
Quantity Unit: G

Shipment Date: 20170929
Creation Date: 7/13/2018 18:30:14
Receipt Date: 20171020
Manifest ID: 017087800JJJ
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001

Shipment Date: 20170929
Creation Date: 7/13/2018 18:30:14
Receipt Date: 20171020
Manifest ID: 017087800JJJ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P

Shipment Date: 20170929
Creation Date: 7/12/2018 18:30:29
Receipt Date: 20171010
Manifest ID: 017087799JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY- BEATTY
Waste Code Description: 352 - Other organic solids
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P

Additional Info:
Year: 2016
Gen EPA ID: CAD981695109

Shipment Date: 20151216
Creation Date: 2/10/2016 22:15:31
Receipt Date: 20151216
Manifest ID: 005062809SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.7506
Waste Quantity: 180
Quantity Unit: G

Shipment Date: 20151209
Creation Date: 10/10/2016 18:30:40
Receipt Date: 20151229
Manifest ID: 015361614JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY- BEATTY
Waste Code Description:	352 - Other organic solids
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	2/10/2016 22:15:22
Receipt Date:	20151204
Manifest ID:	015361077JJJ
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJJ
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJJ
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	352 - Other organic solids

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.019
Waste Quantity:	38
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJJ
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Shipment Date:	20151118
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151119
Manifest ID:	005062546SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID:	CAD980887418
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description:	222 - Oil/water separation sludge
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
Shipment Date:	20151118
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151211
Manifest ID:	015361076JJJ
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Shipment Date: 20151109
Creation Date: 1/11/2016 22:16:05
Receipt Date: 20151109
Manifest ID: 005748721FLE
Trans EPA ID: CAD982052797
Trans Name: J&B ENTERPRISES
TSDF EPA ID: CAD982052797
Trans Name: J&B ENTERPRISES
Waste Code Description: 135 - Unspecified aqueous solution
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.0546
Waste Quantity: 13
Quantity Unit: G

Shipment Date: 20151021
Creation Date: 12/21/2015 22:15:08
Receipt Date: 20151022
Manifest ID: 004773214SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.6672
Waste Quantity: 160
Quantity Unit: G

Additional Info:

Year: 2015
Gen EPA ID: CAD981695109

Shipment Date: 20151216
Creation Date: 2/10/2016 22:15:31
Receipt Date: 20151216
Manifest ID: 005062809SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.7506
Waste Quantity: 180
Quantity Unit: G

Shipment Date: 20151209
Creation Date: 10/10/2016 18:30:40
Receipt Date: 20151229
Manifest ID: 015361614JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: NVT330010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Trans Name:	US ECOLOGY- BEATTY
Waste Code Description:	352 - Other organic solids
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.019
Waste Quantity:	38
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151208
Manifest ID:	015361078JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Shipment Date:	20151118
Creation Date:	2/10/2016 22:15:22
Receipt Date:	20151204
Manifest ID:	015361077JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSD EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
Quantity Unit:	P
Shipment Date:	20151118
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151211
Manifest ID:	015361076JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM
TSD EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Shipment Date:	20151118
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151119
Manifest ID:	005062546SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSD EPA ID:	CAD980887418
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description:	222 - Oil/water separation sludge
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
Shipment Date:	20151109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Creation Date: 1/11/2016 22:16:05
Receipt Date: 20151109
Manifest ID: 005748721FLE
Trans EPA ID: CAD982052797
Trans Name: J&B ENTERPRISES
TSDF EPA ID: CAD982052797
Trans Name: J&B ENTERPRISES
Waste Code Description: 135 - Unspecified aqueous solution
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.0546
Waste Quantity: 13
Quantity Unit: G

Shipment Date: 20151021
Creation Date: 12/21/2015 22:15:08
Receipt Date: 20151022
Manifest ID: 004773214SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.6672
Waste Quantity: 160
Quantity Unit: G

Additional Info:

Year: 2014
Gen EPA ID: CAD981695109

Shipment Date: 20141217
Creation Date: 6/23/2015 22:15:22
Receipt Date: 20150102
Manifest ID: 013499794JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P

Shipment Date: 20141217
Creation Date: 6/23/2015 22:15:22
Receipt Date: 20150102
Manifest ID: 013499794JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: D001

Shipment Date: 20141217
Creation Date: 6/23/2015 22:15:22
Receipt Date: 20150102
Manifest ID: 013499794JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P

Shipment Date: 20141217
Creation Date: 3/19/2015 22:14:50
Receipt Date: 20150105
Manifest ID: 013499795JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P

Shipment Date: 20141211
Creation Date: 2/24/2015 22:15:05
Receipt Date: 20141215
Manifest ID: 004577849SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.43785

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Waste Quantity:	105
Quantity Unit:	G
Shipment Date:	20141117
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141117
Manifest ID:	005749249FLE
Trans EPA ID:	CAD982052797
Trans Name:	J&B ENTERPRISES
TSDf EPA ID:	CAD982052797
Trans Name:	J&B ENTERPRISES
Waste Code Description:	135 - Unspecified aqueous solution
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Shipment Date:	20141110
Creation Date:	2/6/2015 22:15:34
Receipt Date:	20141112
Manifest ID:	004256350SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDf EPA ID:	CAD980887418
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description:	222 - Oil/water separation sludge
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Shipment Date:	20141015
Creation Date:	12/17/2014 22:14:47
Receipt Date:	20141023
Manifest ID:	013498782JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM (ESCONDIDO)
TSDf EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Shipment Date:	20141015
Creation Date:	5/27/2015 22:15:25
Receipt Date:	20141104
Manifest ID:	013498783JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (MILPITAS)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001

Shipment Date: 20140902
Creation Date: 11/8/2014 22:15:16
Receipt Date: 20140902
Manifest ID: 004256939SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: SAFETY-KLEEN OF CALIFORNIA INC
Waste Code Description: 222 - Oil/water separation sludge
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.8757
Waste Quantity: 210
Quantity Unit: G

Additional Info:

Year: 2013
Gen EPA ID: CAD981695109

Shipment Date: 20131202
Creation Date: 1/12/2014 22:15:07
Receipt Date: 20131202
Manifest ID: 007032742JJK
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.5838
Waste Quantity: 140
Quantity Unit: G

Shipment Date: 20131113
Creation Date: 12/23/2013 22:15:27
Receipt Date: 20131121
Manifest ID: 012199707JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAR000179747
Trans 2 Name: INGENIUM (ESCONDIDO)
TSDF EPA ID: CAD008488025
Trans Name: PHIBRO-TECH INC
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.2435
Waste Quantity: 487
Quantity Unit: P

Shipment Date: 20131113
Creation Date: 5/17/2014 22:15:09
Receipt Date: 20131127
Manifest ID: 012199706JJJ
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (MILPITAS)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2005
Waste Quantity: 401
Quantity Unit: P
Additional Code 1: F003
Additional Code 2: D001

Shipment Date: 20131031
Creation Date: 12/4/2013 22:15:12
Receipt Date: 20131031
Manifest ID: 010835811JJJ
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.64635
Waste Quantity: 155
Quantity Unit: G

Shipment Date: 20130918
Creation Date: 2/24/2014 22:15:16
Receipt Date: 20131001
Manifest ID: 011533909JJJ
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
Waste Code Description: 352 - Other organic solids
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P

Shipment Date: 20130828

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Creation Date: 10/18/2013 22:15:07
Receipt Date: 20130828
Manifest ID: 010835228JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.417
Waste Quantity: 100
Quantity Unit: G

Shipment Date: 20130823
Creation Date: 1/7/2014 22:15:14
Receipt Date: 20130905
Manifest ID: 011867258JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: - Not reported
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P

Shipment Date: 20130823
Creation Date: 11/16/2013 22:15:06
Receipt Date: 20130905
Manifest ID: 011867259JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P

Shipment Date: 20130823
Creation Date: 1/7/2014 22:15:14
Receipt Date: 20130905
Manifest ID: 011867258JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: - Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site

Shipment Date: 20130716
Creation Date: 8/22/2013 22:15:23
Receipt Date: 20130716
Manifest ID: 010835181JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.27939
Waste Quantity: 67
Quantity Unit: G

Additional Info:

Year: 2012
Gen EPA ID: CAD981695109

Shipment Date: 20121219
Creation Date: 5/21/2013 22:15:06
Receipt Date: 20130102
Manifest ID: 010755717JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 352 - Other organic solids
RCRA Code: D008
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P

Shipment Date: 20121219
Creation Date: 5/8/2013 22:15:17
Receipt Date: 20130115
Manifest ID: 010755716JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Shipment Date: 20121219
Creation Date: 5/21/2013 22:15:06
Receipt Date: 20130102
Manifest ID: 010755717JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSD EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P

Shipment Date: 20121219
Creation Date: 5/21/2013 22:15:06
Receipt Date: 20130102
Manifest ID: 010755717JJK
Trans EPA ID: CAR000179747
Trans Name: INGENIUM (SAN JOSE)
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSD EPA ID: ARD981057870
Trans Name: RINECO
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: D001

Shipment Date: 20121207
Creation Date: 2/14/2013 22:15:30
Receipt Date: 20121210
Manifest ID: 010828338JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSD EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Shipment Date: 20121101
Creation Date: 1/9/2013 22:15:27
Receipt Date: 20121101
Manifest ID: 010745824JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
Waste Code Description:	223 - Unspecified oil-containing waste
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.85485
Waste Quantity:	205
Quantity Unit:	G
Shipment Date:	20120912
Creation Date:	11/6/2012 22:15:10
Receipt Date:	20120920
Manifest ID:	010467329JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (SAN JOSE)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM (ESCONDIDO)
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Shipment Date:	20120912
Creation Date:	11/6/2012 22:15:10
Receipt Date:	20120920
Manifest ID:	010467329JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (SAN JOSE)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM (ESCONDIDO)
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Shipment Date:	20120912
Creation Date:	8/18/2013 22:15:07
Receipt Date:	20121012
Manifest ID:	010467328JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (SAN JOSE)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.108
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001

Shipment Date: 20120823
Creation Date: 10/23/2012 22:15:21
Receipt Date: 20120823
Manifest ID: 010023565JJJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSD EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
Waste Code Description: 223 - Unspecified oil-containing waste
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.5421
Waste Quantity: 130
Quantity Unit: G

CERS:
Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 92459
CERS ID: 10353349
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 92459
Site Name: ANRITSU COMPANY
Violation Date: 11-28-2018
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description: Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes: Returned to compliance on 12/14/2018. Various manifest in 2017, 2018 used to ship lab packed small quantities of waste were assigned waste code 551. This waste code is reserved for chemicals generated by a laboratory, and should not be used with lab packed wastes. (ex 017087818JJJK 9/27/17, 017088939JJJK 2/9/17). Site uses silver containing epoxys in part of manufacturing process but no shipments of waste epoxy adhesive materials carried the D011 waste code in 2017 or 2018. Shipments solids offered to ACTENVIRON, beginning in July of 2018 do not contain the waste code D008 although prior shipments of the same waste by a prior vendor did carry this code, and waste containers throughout the site which contribute to this wastestream indicate that they may/can contain solder paste and solder cleaning materials.
Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,
Site ID: 92459
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

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 02/10/2016. The facility's hazardous materials/wastes inventory information from the most recent HMBP submittal does not include the oil and coolants in the CNC machines on-site.

Violation Division: Santa Clara County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 92459

Site Name: ANRITSU COMPANY

Violation Date: 11-28-2018

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 12/14/2018. Manifest for shipment of oily waetr on 10/20 was not available for review, and was not available on the e-manifest system.

Violation Division: Santa Clara County Environmental Health

Violation Program: HW

Violation Source: CERS,

Site ID: 92459

Site Name: ANRITSU COMPANY

Violation Date: 11-28-2018

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 12/14/2018. Site did not have documentation demonstrating annual emergency response/evacuation training available for review.

Violation Division: Santa Clara County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 92459

Site Name: ANRITSU COMPANY

Violation Date: 01-14-2016

Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)

Violation Description: Failure to properly dispose of hazardous waste at an authorized location.

Violation Notes: Returned to compliance on 02/10/2016. Liquid waste epoxy, epoxy-contaminated debris, and lead solder dross, and solder flux-contaminated debris, were observed in trash cans throughout the manufacturing areas in 490 Jarvis and 18375 Sutter Bl and in the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Temperature Cycle Room. The facility's current practice is to collect all epoxy and solder waste and manage as hazardous waste. Ensure that all epoxy and solder waste is collected and managed as hazardous waste.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 92459
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016
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 02/10/2016. The most recent site map submitted by the facility does not include the location of the hazardous materials handling and storage areas and emergency response equipment.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 92459
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 02/10/2016. The following containers are labeled as "solder waste" but missing all other required label information: - The 8oz. cans used for solder dross collection in the manufacturing areas - The 5 gallon cans used for solder dross collection in the manufacturing areas The following waste streams have a completed label, but the label was affixed to the shelf in which the waste is accumulated and not to the container holding the waste: - 2 x ~50 gallon, yellow tubs for epoxy and solder-related debris (Accumulation Date 12/1/2015) - 1 x box of flux coating waste (Accumulation Date: 1/13/2016) - 1 x box of solder paste waste (Accumulation Date: 1/13/2016) - 9 x bags of epoxy resin, part A (Accumulation Date: 1/13/2016) - 3 x containers of printing ink (Accumulation Date: 1/13/2016) The following containers are missing the accumulation date: - 1 x roller of hazardous waste liquids (acid) in clean room - 1 x roller of hazardous waste liquids (solvents) in clean room

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 92459
Site Name: ANRITSU COMPANY
Violation Date: 01-14-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Notes: Returned to compliance on 02/10/2016. The facility's most recent HMBP submittal was on 12/4/2013. As of 1/1/2013, facilities must electronically submit HMBP to the California Environmental Reporting System (CERS) and certify at least once every 12 months that HMBP is complete, accurate, and up to date. Within 30 days, complete and submit the following information by creating a CERS account with CERS ID: 10353349. -Facility information/ownership page -Hazardous materials inventory/site map -Emergency response plan/training plan If you would like assistance with completing and submitting your HMBP, SCC HMCD Hazardous Materials Technician Michelle Santos at (408)918-1981 or myself at (408)918-3408. - CERS website: <http://cers.calepa.ca.gov>

Violation Division: Santa Clara County Environmental Health

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 92459

Site Name: ANRITSU COMPANY

Violation Date: 01-14-2016

Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)

Violation Description: Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.

Violation Notes: Returned to compliance on 02/10/2016. The facility has soldering stations located throughout the manufacturing areas in all three building. Lead solder was observed to be used. Mr. Grimes stated that he was un-sure of the manner in which the solder sponges are disposed. A hazardous waste determination must be conducted to determine if the solder sponges meet hazardous waste criteria. If determined to be a hazardous waste, the solder sponges must be managed in accordance with all hazardous waste requirements. Provide documentation of the determination made to the inspector for review.

Violation Division: Santa Clara County Environmental Health

Violation Program: HW

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-28-2018

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Facility has installed a "Water Eater" unit for the evaporation of the water fraction of oily water waste generated from machine shop activities including lathes, CNC type machines and floor mop water. Machine is not currently in full time operation, has been run a few times as test according to facility personnel. Having problems with condensation and reintroduction of water due to long exhaust runs. System has controller which allows for auto shutoff if liquid level is low enough and can be set for various temps. NOTES: ONCE SYSTEM IS PLACED IN TO USE THE SITE MUST DEMONSTRATE THAT THE SYSTEM IS OPERATED AT A TEMPERATURE AT LEAST 20DEGREES LESS THAN THE FLASH POINT OF THE OIL/OILY WATER MIXTURE INTRODUCED. SYSTEM SETTINGS AND MSDS OF ALL OILS INTRODUCED SHOULD BE MAINTAINED TO DEMONSTRATE THIS. OIL RECOVERED FROM THE SYSTEM MUST BE SENT FOR OFFSITE RECYCLING A LOG DEMONSTRATING THE APPROXIMATE QUANTITIES OF WASTE INTRODUCED AND THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

DATES OF OPERATION MUST BE [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: CE
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 490 CERS ID 10353349 Annual submittal 3/16/18, 2/23/17, 2/5/16 with 4/18/17 update Map, emergency plan (template) and training plan all complete Site is one building within grouping sharing EPA ID CAD981695109, permit issued to 490 Jarvis location.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous materials business plan (HMBP) inspection with Howard Grimes. The following hazardous materials/wastes were observed in quantities above HMBP reportable thresholds: 1. 4 x CNC Machine in-use coolant/cutting oil mix (780 gallons) + 2 x 55 gallons of the same coolant/cutting oil mix 2. 6 x CNC Machine in-use tellus oil + water mix (240 gallons) + 1 x 55 gallon drum of tellus oil 3. 2 x CNC machines in-use Additiv BF 1:1 (170 gallons) + 11 x 5 gallon containers of Additive BF 1:1 4. 2 x Nitrogen dewars (60 gallons each, 120 gallons total) 5. 5 x 55 gallon drums of used oil + water mix (hazardous waste) (275 gallons) 6. 39 x 5 gallon containers of AK 225T degreaser (195 gallons) 7. 1 x 55 gallon drum of waste flammable liquids (petroleum distillates, xylene) 8. 1 x 55 gallon drum of waste, caustic, alkali liquids 9. 15 x hydrogen/nitrogen compressed gas cylinders (1352 cuft) NOTES: - CERS ID: 10353349 - Most recent CERS [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to conduct a routine hazardous waste inspection with Howard Grimes. The facility manufactures, assembles, and repairs test and measurement equipment that is used for cellular tower maintenance and signal strength. The facility is comprised of three buildings with a machine shop, multiple manufacturing rooms in each building, Sheet Metal Shop, Customer Service (Repairs), Ultrasonic Cleaning Room (to clean measurement equipment), Clean Room, Model Shop (small machine shop), Shipping/Receiving, and Waste Storage Area. The following waste streams are observed on-site: Machine Shop: - 5 x 55 gallon drums of used oil + water mix (Accumulation Date: 12/16/2015) - 1 x 55 gallon drum of oily debris (Accumulation Date: 12/16/2015) - 1 x 5 gallon bucket of oily - Vacuum skimmers used to collect used oil from the CNC machines - Coarse metal filings (aluminum, steel, brass, copper) are

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

collected in bins for scrap metal recycling Manufacturing Areas: -
Yellow Bins [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency

Eval Notes: Site is one of three buildings on contiguous campus setting. Operate under ID number CAD981695109, active as of date of inspection. Site routinely generates solid debris generated with lead and oils, mixed solvents, mixed acids, sodium hydroxide, adhesives (expired or unexpended) and oily water. Incidentally generate etches (KI-gold), GaAs broken wafers, Cu etch. Generate and segregate universal waste - Electronic devices, CRTs, batteries, circuit boards removed from electronic devices, lamps. Bldg 490 has machine shop and production lines, 18375 has additional production areas with clean room, photolith and plating rooms. -Gold plating is non-cyanide process - using gold sulfite. HW collected in step cans or other small containers and consolidated at larger containers in HW area located behind 490. HW area clean, with appropriate spill response items. Wastes segregated by storing on segregated containment pallets or in cabinets with containment. Ultrasonic used [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 92459
Facility Name: ANRITSU COMPANY
Env Int Type Code: HWG
Program ID: 10353349
Ref Point Type Desc: Center of a facility or station.,
Latitude: 37.147120
Longitude: -121.655200

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Ellen Ackerman
Entity Title: Consultant
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Ben Hartshorn
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 490 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ben Hartshorn
Entity Title: Facilities Manager
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Anritsu Holding
Affiliation Address: 490 Jarvis Drive
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 778-2000,

Affiliation Type Desc: Environmental Contact
Entity Name: Ben Hartshorn
Affiliation Address: 490 Jarvis Drive
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Anritsu Company
Affiliation Phone: (408) 778-2000,

Affiliation Type Desc: Parent Corporation
Entity Name: Anritsu Company
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Anritsu Company
Affiliation Address: 490 JARVIS DR
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 778-2000,

HWTS:

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAD981695109
Create Date: 04/10/1987
Mailing Address: 490 JARVIS DR
Mailing City,State,Zip: MORGAN HILL, CA 950372809
Owner Name: ANRITSU CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Owner Address: 490 JARVIS DR
Owner City,State,Zip: MORGAN HILL, CA 950372809
Contact Name: BEN HARTSHORN
Contact Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 37.141916
Longitude: -121.652292

NAICS:

EPA ID: CAD981695109
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 3342
NAICS Description: Communications Equipment Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Facility Name: ANRITSU COMPANY
Facility Address: 490 JARVIS DR
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

EPA ID: CAD981695109
Create Date: 2003-10-23 15:27:19.000
NAICS Code: 334418
NAICS Description: Printed Circuit Assembly (Electronic Assembly) Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Facility Name: ANRITSU COMPANY
Facility Address: 490 JARVIS DR
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

EPA ID: CAD981695109
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 334514
NAICS Description: Totalizing Fluid Meter and Counting Device Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Facility Name: ANRITSU COMPANY
Facility Address: 490 JARVIS DR
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

EPA ID: CAD981695109
Create Date: 2013-10-15 15:45:40.993
NAICS Code: 334515
NAICS Description: Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
Issued EPA ID Date: 1987-04-10 00:00:00
Facility Name: ANRITSU COMPANY
Facility Address: 490 JARVIS DR
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

EPA ID: CAD981695109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S113010574

Create Date: 2013-10-15 15:45:40.993
NAICS Code: 334515
NAICS Description: Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
Issued EPA ID Date: 1987-04-10 00:00:00
Facility Name: ANRITSU COMPANY
Facility Address: 490 JARVIS DR
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

I41
East
1/8-1/4
0.206 mi.
1086 ft.

ANRITSU COMPANY
490 JARVIS DRIVE
MORGAN HILL, CA 95037

Site 2 of 3 in cluster I

CUPA Listings
EMI
HIST CORTESE
NPDES
CIWQS
CERS

S103661828
N/A

Relative:
Higher

Actual:
371 ft.

CUPA SANTA CLARA:

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2206
Program Description: GENERATES 5 TO <25 TONS/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.147614
Longitude: -121.655773
Record ID: PR0313074
Facility ID: FA0203263

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 7-9 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.147614
Longitude: -121.655773
Record ID: PR0376001
Facility ID: FA0203263

Name: ANRITSU COMPANY
Address: 490 JARVIS DR
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2263
Program Description: CONDITIONALLY EXEMPT (CE)
Program Identifier: DEH PERMIT-ONSITE HAZ WASTE TREATMENT/TIERED PERMIT PROGRAMS
Latitude: 37.147614
Longitude: -121.655773
Record ID: PR0427507
Facility ID: FA0203263

EMI:

Name: WILTRON COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1987
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3679
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
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 Smlr Tons/Yr:0

Name: WILTRON COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1990
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3671
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr:0

Name: WILTRON COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1995
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3679
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr:0

Name: WILTRON COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3679
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1997
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3679
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1998
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3679
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 1999
County Code: 43
Air Basin: SF
Facility ID: 2417

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2000
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2001
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 2
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 Smlr Tons/Yr: 0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2002
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2003
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2004
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.69
Reactive Organic Gases Tons/Yr: 0.676
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2005
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .246
Reactive Organic Gases Tons/Yr: .0984
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2006
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .246
Reactive Organic Gases Tons/Yr: .0984
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 950370000
Year: 2007
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .246
Reactive Organic Gases Tons/Yr: .0984
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2008
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.5
Reactive Organic Gases Tons/Yr: .3488
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2009
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2.2149999999999999
Reactive Organic Gases Tons/Yr: 0.63480000000000003
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2010
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.7290000000000001
Reactive Organic Gases Tons/Yr: 0.82955319999999999
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2011
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.735
Reactive Organic Gases Tons/Yr: 0.5127274
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 Smlr Tons/Yr:0

Name: ANRITSU COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2012
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.959
Reactive Organic Gases Tons/Yr: 0.6023274
Carbon Monoxide Emissions Tons/Yr: 0.001
NOX - Oxides of Nitrogen Tons/Yr: 0.005
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2013
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2.06
Reactive Organic Gases Tons/Yr: 0.6427274
Carbon Monoxide Emissions Tons/Yr: 0.001
NOX - Oxides of Nitrogen Tons/Yr: 0.006
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2014
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.999577076
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0.002505402
NOX - Oxides of Nitrogen Tons/Yr: 0.014663426
SOX - Oxides of Sulphur Tons/Yr: 2.5976e-005
Particulate Matter Tons/Yr: 0.000543393
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.000521657

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.999089753
Reactive Organic Gases Tons/Yr: 0.806548542
Carbon Monoxide Emissions Tons/Yr: 0.001127148
NOX - Oxides of Nitrogen Tons/Yr: 0.006596882
SOX - Oxides of Sulphur Tons/Yr: 1.1686e-005
Particulate Matter Tons/Yr: 0.000244465
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000234687

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2016
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.999207379
Reactive Organic Gases Tons/Yr: 0.62984690196
Carbon Monoxide Emissions Tons/Yr: 0.001459964
NOX - Oxides of Nitrogen Tons/Yr: 0.008544765
SOX - Oxides of Sulphur Tons/Yr: 1.5137e-005
Particulate Matter Tons/Yr: 0.000316649
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000303983

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2017
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.52680173
Reactive Organic Gases Tons/Yr: 0.4407884275
Carbon Monoxide Emissions Tons/Yr: 0.000891355
NOX - Oxides of Nitrogen Tons/Yr: 0.005216854
SOX - Oxides of Sulphur Tons/Yr: 9.242e-006
Particulate Matter Tons/Yr: 0.000193325
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000185592

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2018
County Code: 43
Air Basin: SF
Facility ID: 2417

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.036285294
Reactive Organic Gases Tons/Yr: 0.39530750414
Carbon Monoxide Emissions Tons/Yr: 0.000983786
NOX - Oxides of Nitrogen Tons/Yr: 0.005757828
SOX - Oxides of Sulphur Tons/Yr: 1.02e-005
Particulate Matter Tons/Yr: 0.000213372
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000204837

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2019
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.036380647
Reactive Organic Gases Tons/Yr: 0.39539127175
Carbon Monoxide Emissions Tons/Yr: 0.001253428
NOX - Oxides of Nitrogen Tons/Yr: 0.007335964
SOX - Oxides of Sulphur Tons/Yr: 1.2996e-005
Particulate Matter Tons/Yr: 0.000271854
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.00026098

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Year: 2020
County Code: 43
Air Basin: SF
Facility ID: 2417
Air District Name: BA
SIC Code: 3825
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.036488285
Reactive Organic Gases Tons/Yr: 0.39548583173
Carbon Monoxide Emissions Tons/Yr: 0.00155781
NOX - Oxides of Nitrogen Tons/Yr: 0.009117432
SOX - Oxides of Sulphur Tons/Yr: 1.6151e-005
Particulate Matter Tons/Yr: 0.000337871
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.000324356

HIST CORTESE:

edr_fname: NICHOL'S CHRISTMAS TREE F
edr_fadd1: 490 JARVIS
City,State,Zip: MORGAN HILL, CA 95037
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 2417

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

NPDES:

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Active
NPDES Number: CAS000001
Region: 3
Agency Number: 0
Regulatory Measure ID: 464310
Order Number: 97-03-DWQ
WDID: 3 43NEC001838
Regulatory Measure Type: Enrollee
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/13/2015
Discharge Address: 490 Jarvis Drive
Discharge Name: Anritsu Company
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

NPDES as of 03/2018:

Region: 3
Regulatory Measure ID: 464310
Regulatory Measure Type: Industrial
WDID: 3 43NEC001838
Received Date: 02/16/2016
Processed Date: 10/13/2015
Status: Active
Status Date: 02/16/2016
Place Size: 691732
Place Size Unit: SqFt
Contact: Ben Hartshorn
Contact Phone: 408-201-1038
Contact Email: ben.hartshorn@anritsu.com
Operator Name: Anritsu Company
Operator Address: 490 Jarvis Drive
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037
Operator Contact: Ben Hartshorn
Operator Contact Phone: 408-201-1038
Operator Contact Email: ben.hartshorn@anritsu.com
Operator Type: Private Business
Developer State: California
Dir Discharge Uswater Ind: N
Receiving Water Name: Uvas/Llagas Watershed
Certifier: Ben Hartshorn
Certifier Title: Facilities Manager
Certification Date: 27-SEP-16
Primary Sic: 3679-Electronic Components, NEC

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 3
Regulatory Measure ID: 464310
Order Number: 97-03-DWQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Regulatory Measure Type: Enrollee
WDID: 3 43NEC001838
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/13/2015
Discharge Name: Anritsu Company
Discharge Address: 490 Jarvis Drive
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
WDID: 3 43NEC001838
Regulatory Measure Type: Industrial
Status: Active
Status Date: 02/16/2016
Operator Name: Anritsu Company
Operator Address: 490 Jarvis Drive
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037

NPDES as of 03/2018:

Region: 3
Regulatory Measure ID: 464310
Regulatory Measure Type: Industrial
WDID: 3 43NEC001838
Received Date: 02/16/2016
Processed Date: 10/13/2015
Status: Active
Status Date: 02/16/2016
Place Size: 691732
Place Size Unit: SqFt
Contact: Ben Hartshorn
Contact Phone: 408-201-1038
Contact Email: ben.hartshorn@anritsu.com
Operator Name: Anritsu Company
Operator Address: 490 Jarvis Drive
Operator City: Morgan Hill
Operator State: California
Operator Zip: 95037
Operator Contact: Ben Hartshorn
Operator Contact Phone: 408-201-1038
Operator Contact Email: ben.hartshorn@anritsu.com
Operator Type: Private Business
Developer State: California
Dir Discharge Uswater Ind: N
Receiving Water Name: Uvas/Llagas Watershed
Certifier: Ben Hartshorn
Certifier Title: Facilities Manager
Certification Date: 27-SEP-16
Primary Sic: 3679-Electronic Components, NEC

NPDES Number: CAS000001
Status: Active
Agency Number: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

S103661828

Region: 3
Regulatory Measure ID: 464310
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 3 43NEC001838
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/13/2015
Discharge Name: Anritsu Company
Discharge Address: 490 Jarvis Drive
Discharge City: Morgan Hill
Discharge State: California
Discharge Zip: 95037

CIWQS:

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Agency: Anritsu Company
Agency Address: 490 Jarvis Drive, Morgan Hill, CA 95037
Place/Project Type: Industrial - Electronic Components, NEC
SIC/NAICS: 3679
Region: 3
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 3 43NEC001838
NPDES Number: CAS000001
Effective Date: 10/13/2015
Enforcement Actions within 5 years: 1
Violations within 5 years: 1
Latitude: 37.14722
Longitude: -121.65572

CERS:

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 526351
CERS ID: 841129
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 526351
Site Name: Anritsu Company
Violation Date: 10-02-2021
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Failure to meet NEC criteria
Violation Notes: Discharger failed to recertify the NEC by October 1, 2021
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Enforcement Action:

Site ID: 526351

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Site

Database(s)

ANRITSU COMPANY (Continued)

S103661828

Site Name: Anritsu Company
Site Address: 490 JARVIS DRIVE
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 10-18-2021
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Discharger did not recertify NEC by October 1, 2021
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Anritsu Company
Entity Title: Operator
Affiliation Address: 490 Jarvis Drive
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037-2834
Site ID: 451540
CERS ID: 110001160555
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: HOWARD GRIMES
Affiliation Address: HOWARD GRIMESANRITSU COM
Affiliation City: MORGANHILL
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ENVIR MGMT
Affiliation Address: 490 JARVIS DRIVE
Affiliation City: MORGANHILL
Affiliation State: CA
Affiliation Phone: ,

I42
East
1/8-1/4
0.206 mi.
1086 ft.

ANRITSU COMPANY
490 JARVIS DRIVE
MORGAN HILL, CA 95037

RCRA-SQG
FINDS
ECHO

1000420298
CAD981695109

Site 3 of 3 in cluster I

Relative:
Higher

RCRA Listings:

Date Form Received by Agency:

19861230

Actual:
371 ft.

Handler Name:

WILTRON COMPANY

Handler Address:

490 JARVIS DR

Handler City,State,Zip:

MORGAN HILL, CA 95037

EPA ID:

CAD981695109

Contact Name:

ENVIRONMENTAL MANAGER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

1000420298

Contact Address:	490 JARVIS DR
Contact City,State,Zip:	MORGAN HILL, CA 95037
Contact Telephone:	408-778-2000
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	2
Mailing Address:	490 JARVIS DR
Mailing City,State,Zip:	MORGAN HILL, CA 95037
Owner Name:	WILTRON COMPANY
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
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 State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
Handler Date of Last Change:	20020627
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

1000420298

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WILTRON COMPANY
Legal Status:	Private
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

Historic Generators:

Receive Date:	19861230
Handler Name:	WILTRON COMPANY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
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

List of NAICS Codes and Descriptions:

NAICS Code:	334515
NAICS Description:	INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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FINDS:

Registry ID:	110001160555
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[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANRITSU COMPANY (Continued)

1000420298

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. 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. STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000420298
Registry ID: 110001160555
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001160555>
Name: ANRITSU COMPANY
Address: 490 JARVIS DRIVE
City,State,Zip: MORGAN HILL, CA 95037

**H43
West
1/8-1/4
0.209 mi.
1102 ft.**

**DIE TECH
225 COCHRANE CIR CTE A
MORGAN HILL, CA 95037**

RCRA NonGen / NLR

**1024861087
CAL000429552**

Site 2 of 4 in cluster H

**Relative:
Lower**

RCRA Listings:

**Actual:
358 ft.**

Date Form Received by Agency: 20170727
Handler Name: DIE TECH
Handler Address: 225 COCHRANE CIR CTE A
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000429552
Contact Name: CHRIS BIEGANSKI
Contact Address: 225 COCHRANE CIR CTE A
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 669-888-3500
Contact Fax: 669-888-3502
Contact Email: DIE-TECH@IX.NETCOM.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 225 COCHRANE CIR CTE A
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: ANDREW BIEGANSKI
Owner Type: Other
Operator Name: CHRIS BIEGANSKI
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIE TECH (Continued)

1024861087

Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
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: CHRIS BIEGANSKI	
Legal Status:	Other
Owner/Operator Address:	225 COCHRANE CIR CTE A
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	669-888-3500

Owner/Operator Indicator:	Owner
Owner/Operator Name: ANDREW BIEGANSKI	
Legal Status:	Other
Owner/Operator Address:	225 COCHRANE CIR CTE A
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	669-888-3500

Historic Generators:

Receive Date:	20170727
Handler Name: DIE TECH	
Federal Waste Generator Description:	Not a generator, verified
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIE TECH (Continued)

1024861087

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

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

H44
West
1/8-1/4
0.209 mi.
1102 ft.

MICMAR INC
225 COCHRANE CIR UNIT B
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1024864575
CAL000433137

Site 3 of 4 in cluster H

Relative:
Lower
Actual:
358 ft.

RCRA Listings:

Date Form Received by Agency: 20180109
Handler Name: MICMAR INC
Handler Address: 225 COCHRANE CIR UNIT B
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000433137
Contact Name: MIKE GLINKA
Contact Address: 225 COCHRANE CIR UNIT B
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 669-888-3733
Contact Fax: 669-888-3734
Contact Email: MIKE@MICMAR.NET
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 225 COCHRANE CIR UNIT B
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: ANNA GLINCA
Owner Type: Other
Operator Name: MIKE GLINKA
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 State-Reg Handler: ---

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICMAR INC (Continued)

1024864575

Hazardous Secondary Material Indicator:	N
Commercial TSD Indicator:	No
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
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
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
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: MIKE GLINKA	
Legal Status:	Other
Owner/Operator Address:	225 COCHRANE CIR UNIT B
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	669-888-3733

Owner/Operator Indicator:	Owner
Owner/Operator Name: ANNA GLINCA	
Legal Status:	Other
Owner/Operator Address:	14572 MUM FORD DR
Owner/Operator City,State,Zip:	GRASS VALLEY, CA 95945
Owner/Operator Telephone:	530-274-1988

Historic Generators:

Receive Date:	20180109
Handler Name: MICMAR INC	
Federal Waste Generator Description:	Not a generator, verified
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICMAR INC (Continued)

1024864575

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

45
NNE
1/8-1/4
0.210 mi.
1109 ft.

PARAMIT PRODUCT DEVELOPMENT
18635 SUTTER BLVD
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1027217254
CAL000469093

Relative:
Higher

Actual:
367 ft.

RCRA Listings:
Date Form Received by Agency: 20220309
Handler Name: PARAMIT PRODUCT DEVELOPMENT
Handler Address: 18635 SUTTER BLVD
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAL000469093
Contact Name: AARON GALLEG0
Contact Address: 18635 SUTTER BLVD
Contact City,State,Zip: MORGAN HILL, CA 95037
Contact Telephone: 408-782-5659
Contact Email: AGALLEG0@PARAMIT.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Mailing Address: 18635 SUTTER BLVD
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: TECAN SYSTEMS INC
Owner Type: Other
Operator Name: AARON GALLEG0
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: N
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARAMIT PRODUCT DEVELOPMENT (Continued)

1027217254

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
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
Handler Date of Last Change:	20220319
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:	TECAN SYSTEMS INC
Legal Status:	Other
Owner/Operator Address:	2450 ZANKER RD
Owner/Operator City,State,Zip:	SAN JOSE, CA 95131
Owner/Operator Telephone:	408-953-3179

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AARON GALLEG0
Legal Status:	Other
Owner/Operator Address:	18635 SUTTER BLVD
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-782-5659

Historic Generators:

Receive Date:	20220309
Handler Name:	PARAMIT PRODUCT DEVELOPMENT
Federal Waste Generator Description:	Not a generator, verified
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:	453998
NAICS Description:	ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARAMIT PRODUCT DEVELOPMENT (Continued)

1027217254

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

J46
WSW
1/8-1/4
0.211 mi.
1113 ft.

MONUMENT CONSTRUCTION INC
520 COCHRANE CIR
MORGAN HILL, CA 95037

RCRA NonGen / NLR

1026490843
CAL000455580

Site 1 of 2 in cluster J

Relative:
Lower

Actual:
357 ft.

RCRA Listings:

Date Form Received by Agency:

20200710

Handler Name:

MONUMENT CONSTRUCTION INC

Handler Address:

520 COCHRANE CIR

Handler City,State,Zip:

MORGAN HILL, CA 95037

EPA ID:

CAL000455580

Contact Name:

MARCOS MORA

Contact Address:

16200 VINEYARD BLVD SUITE 100

Contact City,State,Zip:

MORGAN HILL, CA 95037

Contact Telephone:

408-595-1034

Contact Fax:

408-778-2548

Contact Email:

MMORA@TECHCONCORP.COM

EPA Region:

09

Federal Waste Generator Description:

Not a generator, verified

Mailing Address:

16200 VINEYARD BLVD SUITE 100

Mailing City,State,Zip:

MORGAN HILL, CA 95037

Owner Name:

MONUMENT CONSTRUCTION INC

Owner Type:

Other

Operator Name:

MARCOS MORA

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 State-Reg Handler:

Hazardous Secondary Material Indicator:

N

Commercial TSD Indicator:

No

2018 GPRA Permit Baseline:

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONUMENT CONSTRUCTION INC (Continued)

1026490843

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
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
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:	MONUMENT CONSTRUCTION INC
Legal Status:	Other
Owner/Operator Address:	16200 VINEYARD BLVD SUITE 100
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-778-1350

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MARCOS MORA
Legal Status:	Other
Owner/Operator Address:	16200 VINEYARD BLVD SUITE 100
Owner/Operator City,State,Zip:	MORGAN HILL, CA 95037
Owner/Operator Telephone:	408-595-1034

Historic Generators:

Receive Date:	20200710
Handler Name:	MONUMENT CONSTRUCTION INC
Federal Waste Generator Description:	Not a generator, verified
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

List of NAICS Codes and Descriptions:

NAICS Code:	561730
NAICS Description:	LANDSCAPING SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
J47 WSW 1/8-1/4 0.211 mi. 1113 ft.	MONUMENT CONSTRUCTION INC DBA TECHCON CORP 520 COCHRANE CIRCLE MORGAN HILL, CA 95037 Site 2 of 2 in cluster J	RCRA NonGen / NLR	1027075385 CAC003147123
Relative: Lower	RCRA Listings:		
Actual: 357 ft.	Date Form Received by Agency:	20211105	
	Handler Name:	MONUMENT CONSTRUCTION INC DBA TECHCON CORP	
	Handler Address:	520 COCHRANE CIRCLE	
	Handler City,State,Zip:	MORGAN HILL, CA 95037	
	EPA ID:	CAC003147123	
	Contact Name:	MARO RAMIERZ	
	Contact Address:	16200 VINEYARD BLVD SUTE 100	
	Contact City,State,Zip:	MORGAN HILL, CA 95037	
	Contact Telephone:	408-595-1034	
	Contact Email:	PHILLIP.JAMESON@SAFETY-KLEEN.COM	
	EPA Region:	09	
	Federal Waste Generator Description:	Not a generator, verified	
	Mailing Address:	16200 VINEYARD BLVD SUTE 100	
	Mailing City,State,Zip:	MORGAN HILL, CA 95037	
	Owner Name:	MARCO RAMIREZ	
	Owner Type:	Other	
	Operator Name:	MARO RAMIERZ	
	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 State-Reg Handler:	---	
	Hazardous Secondary Material Indicator:	N	
	Commercial TSD Indicator:	No	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	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	
	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	
	Handler Date of Last Change:	20211105	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONUMENT CONSTRUCTION INC DBA TECHCON CORP (Continued)

1027075385

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: MARO RAMIERZ
Legal Status: Other
Owner/Operator Address: 16200 VINEYARD BLVD SUTE 100
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-595-1034

Owner/Operator Indicator: Owner
Owner/Operator Name: MARCO RAMIREZ
Legal Status: Other
Owner/Operator Address: 16200 VINEYARD BLVD SUTE 100
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-778-1350

Historic Generators:

Receive Date: 20211105
Handler Name: MONUMENT CONSTRUCTION INC DBA TECHCON CORP
Federal Waste Generator Description: Not a generator, verified
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: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

K48	MICRO-MECHANICS INC	RCRA NonGen / NLR	1024821157
North	465 WOODVIEW AVE		CAL000336249
1/8-1/4	MORGAN HILL, CA 95037		
0.222 mi.			
1172 ft.	Site 1 of 2 in cluster K		
Relative:	RCRA Listings:		
Higher	Date Form Received by Agency:	20080911	
Actual:	Handler Name:	MICRO-MECHANICS INC	
365 ft.	Handler Address:	465 WOODVIEW AVE	
	Handler City,State,Zip:	MORGAN HILL, CA 95037-2800	
	EPA ID:	CAL000336249	
	Contact Name:	MIKE DUVAL	
	Contact Address:	465 WOODVIEW AVE	
	Contact City,State,Zip:	MORGAN HILL, CA 95037	
	Contact Telephone:	408-779-2927	
	Contact Fax:	408-779-9189	
	Contact Email:	MDUVAL@MICRO-MECHANICS.COM	
	EPA Region:	09	
	Federal Waste Generator Description:	Not a generator, verified	
	Active Site Indicator:	Handler Activities	
	Mailing Address:	465 WOODVIEW AVE	
	Mailing City,State,Zip:	MORGAN HILL, CA 95037-2800	
	Owner Name:	MICRO-MECHANICS INC	
	Owner Type:	Other	
	Operator Name:	MIKE DUVAL	
	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 State-Reg Handler:	---	
	Hazardous Secondary Material Indicator:	N	
	Commercial TSD Indicator:	No	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	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	
	Significant Non-Complier Universe:	No	
	Unaddressed Significant Non-Complier Universe:	No	
	Addressed Significant Non-Complier Universe:	No	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO-MECHANICS INC (Continued)

1024821157

Significant Non-Complier With a Compliance Schedule Universe: No
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: MIKE DUVAL
Legal Status: Other
Owner/Operator Address: 465 WOODVIEW AVE
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037
Owner/Operator Telephone: 408-779-2927

Owner/Operator Indicator: Owner
Owner/Operator Name: MICRO-MECHANICS INC
Legal Status: Other
Owner/Operator Address: 465 WOODVIEW AVE
Owner/Operator City,State,Zip: MORGAN HILL, CA 95037-2800
Owner/Operator Telephone: 408-779-2927

Historic Generators:

Receive Date: 20080911
Handler Name: MICRO-MECHANICS INC
Federal Waste Generator Description: Not a generator, verified
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

List of NAICS Codes and Descriptions:

NAICS Code: 33271
NAICS Description: MACHINE SHOPS

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

K49
North
1/8-1/4
0.222 mi.
1172 ft.

MICRO MECHANICS INC
465 WOODVIEW AV
MORGAN HILL, CA 95037

CERS HAZ WASTE
CUPA Listings
CERS

S102817377
N/A

Site 2 of 2 in cluster K

Relative:
Higher

CERS HAZ WASTE:

Actual:
365 ft.

Name: MICRO MECHANICS INC
Address: 465 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 48810
CERS ID: 10353184
CERS Description: Hazardous Waste Generator

CUPA SANTA CLARA:

Name: MICRO MECHANICS INC
Address: 465 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 4-6 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.151158
Longitude: -121.659535
Record ID: PR0376808
Facility ID: FA0250656

Name: MICRO MECHANICS INC
Address: 465 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2225
Program Description: ONSITE HAZ WASTE RECYCLER > 100 KG/MO
Latitude: 37.151158
Longitude: -121.659535
Record ID: PR0421131
Facility ID: FA0250656

Name: MICRO MECHANICS INC
Address: 465 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2201
Program Description: GENERATES WASTE OIL ONLY
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.151158
Longitude: -121.659535
Record ID: PR0387657
Facility ID: FA0250656

CERS:

Name: MICRO MECHANICS INC
Address: 465 WOODVIEW AV
City,State,Zip: MORGAN HILL, CA 95037
Site ID: 48810
CERS ID: 10353184
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 48810

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO MECHANICS INC (Continued)

S102817377

Site Name:	MICRO MECHANICS INC
Violation Date:	08-10-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 08/18/2015. FACILITY SUBMITTED HMBP ON 6/20/2013, BUT FAILED TO SUBMIT AN EMERGENCY RESPONSE PLAN.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	48810
Site Name:	MICRO MECHANICS INC
Violation Date:	08-10-2015
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 08/18/2015. FACILITY SUBMITTED HMBP ON 6/20/2013, BUT FAILED TO SUBMIT A SITE MAP.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	48810
Site Name:	MICRO MECHANICS INC
Violation Date:	08-10-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/18/2015. 1 X 55 GALLON HAZARDOUS WASTE SOLIDS DRUM WAS LABELED WITH ACCUMULATION DATE 7/15. PLEASE REPORT DAY, MONTH, AND YEAR OF ACCUMULATION START DATE.
Violation Division:	Santa Clara County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	48810
Site Name:	MICRO MECHANICS INC
Violation Date:	08-10-2015
Citation:	HSC 6.5 25143.10 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.10
Violation Description:	Failure of any person who recycles more than 100 kilograms per month of recyclable material under a claim that the material qualifies for exclusion or exemption, to provide the following information every two years: 1) The name, site address, mailing address, and telephone number of the owner or operator of any facility that recycles the material. 2) The name and address of the generator of the recyclable material. 3) Documentation that the requirements of any exemptions or exclusions pursuant to HSC 25143.2 are met, including the following: A) Where a person who recycles the material is not the same person who generated the recyclable material, documentation that there is a known

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO MECHANICS INC (Continued)

S102817377

market for disposition of the recyclable material and any products manufactured from the recyclable material. B) Where the basis for the exclusion is that the recyclable material is used or reused to make a product or as a safe and effective substitute for a commercial product, a general description of the material and products, identification of the constituents or group of constituents, and their approximate concentrations, that would render the material or product hazardous under the regulations adopted pursuant to HSC 25140 and 25141, if it were a waste, and the means by which the material is beneficially used.

Violation Notes: Returned to compliance on 08/18/2015. FACILITY HAS A COOLANT RECYCLING SYSTEM ON-SITE THAT RECYCLES ~22,500 GALLONS/2 YEAR PERIOD. LAST RECYCLABLE MATERIALS REPORT WAS SUBMITTED TO HMCD IN 2009.

Violation Division: Santa Clara County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 48810
Site Name: MICRO MECHANICS INC
Violation Date: 08-10-2015
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 08/18/2015. FACILITY SUBMITTED HMBP ON 6/20/2013, BUT FAILED TO SUBMIT HAZARDOUS MATERIALS INVENTORY.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 48810
Site Name: MICRO MECHANICS INC
Violation Date: 08-10-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Notes: Returned to compliance on 08/18/2015. LAST HMBP SUBMITTAL WAS 6/20/2013.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 48810
Site Name: MICRO MECHANICS INC
Violation Date: 08-10-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 08/18/2015. FACILITY SUBMITTED HMBP ON 6/20/2013, BUT FAILED TO SUBMIT AN EMPLOYEE TRAINING PLAN.

Violation Division: Santa Clara County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO MECHANICS INC (Continued)

S102817377

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

CERS ID: 10353184 LAST HMBP SUBMITTAL: 6/20/2013 ON-SITE TO CONDUCT A HAZARDOUS MATERIALS BUSINESS PLAN INSPECTION WITH CONSENT OF ASSOCIATE ENGINEER, MIKE DUVAL. THE FOLLOWING HAZARDOUS MATERIALS AND HAZARDOUS WASTES WERE OBSERVED IN HMBP QUANTITIES: 1. 1 X 55 GALLON DRUM OF USED OIL/COOLANT MIX 2. 265 GALLON TOTE OF HYCUT CF21 3. 265 GALLON TOTE OF HYCUT BF11 4. 2 X 55 GALLON DRUMS HYDRAULIC OIL (2 TYPES, 1 X 55 GALLON DRUM OF EACH TYPE) 5. 1 X 55 GALLON DRUM OF HYCUT SW68 OTHER VARIATIONS OF HYCUT, LUBRICATING OIL, AND 304CUFT OF NITROGEN COMPRESSED GAS WERE OBSERVED, BUT IN NON-HMBP QUANTITIES. NOTE: AS OF 1/1/2015, FACILITIES REQUIRING A HMBP ARE REQUIRED TO KEEP WRITTEN DOCUMENTATION OF EMPLOYEE TRAINING FOR THE LAST 3 YEARS.

Eval Division: Santa Clara County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

ON-SITE TO CONDUCT A ROUTINE HAZARDOUS WASTE INSPECTION WITH CONSENT OF ASSOCIATE ENGINEER, MIKE DUVAL. THE FOLLOWING OBSERVATIONS WERE MADE: - 1 X 55 GALLON DRUM OF USED OIL/COOLANT MIX WITH ACCUMULATION DATE 1/25/2014 - 1 X 55 GALLON DRUM OF USED FILTERS LABELED HAZARDOUS WASTE SOLIDS AND ACCUMULATION DATE: 7/15 - ONE SOLDERING STATION WAS NOTED IN ASSEMBLY ROOM WITH NON-LEAD BASED FLUX. NO FILINGS OR FLUX WERE OBSERVED ON THE FLOOR OR AROUND FACILITY. - FACILITY GENERATES SCRAP METAL THAT IS RECYCLED AND PICKED UP BY VENDOR. ALUMINUM FILINGS, MISC. STEEL FILINGS, MIXED PARTS, AND MIXED CHIPS WERE OBSERVED ON-SITE. - A RECYCLING SYSTEM IS LOCATED ON-SITE TO RECYCLE COOLANT THAT IS USED IN THE PRODUCTION PROCESS. 50 MICRON AND 100 MICRON FILTERS ARE USED IN THE RECYCLING SYSTEM. TRAMP OIL IS SKIMMED FROM THE TOP OF THE TANK AND COLLECTED AS HAZARDOUS WASTE - SPILL KITS WERE OBSERVED IN FACILITY IN ADDITION TO VACUUMS THAT ARE USED TO COLLECT ANY SPILL OF COOLANT. [Truncated]

Eval Division: Santa Clara County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:

Site ID: 48810
Site Name: MICRO MECHANICS INC
Site Address: 465 WOODVIEW AV
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 08-10-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO MECHANICS INC (Continued)

S102817377

Site ID: 48810
Site Name: MICRO MECHANICS INC
Site Address: 465 WOODVIEW AV
Site City: MORGAN HILL
Site Zip: 95037
Enf Action Date: 08-10-2015
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 Division: Santa Clara County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Santa Clara County Environmental Health
Affiliation Address: 1555 Berger Drive, Suite 300
Affiliation City: San Jose
Affiliation State: CA
Affiliation Zip: 95112-2716
Affiliation Phone: (408) 918-3400,

Affiliation Type Desc: Document Preparer
Entity Name: Mike Duval
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 465 WOODVIEW AV
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Mike Duval
Entity Title: Facility Manager
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: EDMISTON, KATHLEEN
Affiliation Phone: (408) 779-2927,

Affiliation Type Desc: Property Owner
Entity Name: Sarcadia
Affiliation Country: United States
Affiliation Phone: (408) 768-5088,

Affiliation Type Desc: Legal Owner
Entity Name: MICRO MECHANICS INC
Affiliation Address: 465 WOODVIEW AV
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95037
Affiliation Phone: (408) 779-2927,

Affiliation Type Desc: Parent Corporation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICRO MECHANICS INC (Continued)

S102817377

Entity Name: MICRO MECHANICS INC
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Duval
Affiliation Address: 465 Woodview Dr.
Affiliation City: Morgan Hill
Affiliation State: CA
Affiliation Zip: 95037
Affiliation Phone: ,

H50
WNW
1/8-1/4
0.227 mi.
1199 ft.

ARAGEN BIOSCIENCES
260 COCHRANE CL STE E
MORGAN HILL, CA 95037

CUPA Listings **S118289249**
N/A

Site 4 of 4 in cluster H

Relative:
Lower

CUPA SANTA CLARA:

Actual:
358 ft.

Name: ARAGEN BIOSCIENCES
Address: 260 COCHRANE CL STE E
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2202
Program Description: GENERATES < 100 KG/YR
Program Identifier: DEH PERMIT-HAZ WASTE GENERATOR PROGRAM
Latitude: 37.148211
Longitude: -121.664775
Record ID: PR0377323
Facility ID: FA0252190

Name: ARAGEN BIOSCIENCES
Address: 260 COCHRANE CL STE E
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.148211
Longitude: -121.664775
Record ID: PR0421517
Facility ID: FA0252190

51
WNW
1/8-1/4
0.236 mi.
1245 ft.

ALLWIN21 CORP
220 COCHRANE CL
MORGAN HILL, CA 95037

CUPA Listings **S121287960**
N/A

Relative:
Lower

CUPA SANTA CLARA:

Actual:
358 ft.

Name: ALLWIN21 CORP
Address: 220 COCHRANE CL
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS
Program Identifier: DEH PERMIT-HAZ MAT BUSINESS PLAN PROGRAM
Latitude: 37.148661

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLWIN21 CORP (Continued)

S121287960

Longitude: -121.664766
Record ID: PR0429590
Facility ID: FA0286468

Name: ALLWIN21 CORP
Address: 220 COCHRANE CL
City,State,Zip: MORGAN HILL, CA 95037
Region: SANTA CLARA
PE#: 2200
Program Description: GENERAL HAZARDOUS WASTE
Latitude: 37.148661
Longitude: -121.664766
Record ID: PR0436017
Facility ID: FA0286468

52
West
1/4-1/2
0.252 mi.
1330 ft.

Relative:
Lower

Actual:
357 ft.

DEPRESSURIZED TECHNOLOGIES INT
335 COCHRANE CIR
MORGAN HILL, CA 95037

RCRA-SQG **1000820468**
FINDS **CAD983665068**
ECHO
ICE
HWP
HAZNET
CERS
HWTS

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: DEPRESSURIZED TECHNOLOGIES INT
Handler Address: 335 COCHRANE CIR
Handler City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAD983665068
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Active Site Indicator: Handler Activities
Mailing Address: 2500 EL CAMINO REAL
Mailing City,State,Zip: PALO ALTO, CA 94306
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 State-Reg Handler: ---
Hazardous Secondary Material Indicator: NN
Commercial TSD Indicator: No
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

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
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
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THOITS BROS C/O RENAULT AND HANDLEY
Legal Status:	Private
Owner/Operator Address:	2500 EL CAMINO REAL
Owner/Operator City,State,Zip:	PALO ALTO, CA 94306
Owner/Operator Telephone:	415-321-3040

Historic Generators:

Receive Date:	19960901
Handler Name:	DEPRESSURIZED TECHNOLOGIES INT
Federal Waste Generator Description:	Small Quantity Generator
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

Receive Date:	19930419
Handler Name:	DEPRESSURIZED TECHNOLOGIES INT
Federal Waste Generator Description:	Large Quantity Generator
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

Receive Date:	19990304
Handler Name:	DEPRESSURIZED TECHNOLOGIES INTERNATIONAL
Federal Waste Generator Description:	Large Quantity Generator
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

Current Record: No

Receive Date: 20001012
Handler Name: DEPRESSURIZED TECHNOLOGIES INTERNATIONAL
Federal Waste Generator Description: Large Quantity Generator
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

List of NAICS Codes and Descriptions:

NAICS Code: 562
NAICS Description: WASTE MANAGEMENT AND REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 19990326
Actual Return to Compliance Date: 19990330
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Enforcement Identifier: 200
Date of Enforcement Action: 19990330
Enforcement Responsible Agency: State
Corrective Action Component: No
Enforcement Type: WRITTEN INFORMAL

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 19990326
Actual Return to Compliance Date: 19990330
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Enforcement Identifier: 500
Date of Enforcement Action: 19990419
Enforcement Responsible Agency: State
Corrective Action Component: No

Found Violation: No

Evaluation Action Summary:

Evaluation Date: 19990326
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 19990330

Evaluation Date: 19990326
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Actual Return to Compliance Date: 19990330

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

Evaluation Date: 20030128
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

FINDS:

Registry ID: 110000785561

[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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000820468
Registry ID: 110000785561
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000785561>
Name: DEPRESSURIZED TECHNOLOGIES INT
Address: 335 COCHRANE CIR
City,State,Zip: MORGAN HILL, CA 95037

ICE:

Envirostor ID: 3001585
Name: DEPRESSURIZED TECHNOLOGIES INT
Address: 335 COCHRANE CIR
City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAD983665068
Site Type: INSPECTION
Facility Status: No Action

Inspection:

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 01/28/2003
Violation Class: No Violations

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 03/26/1999
Violation Class: Minor
RTC Date: 03/30/1999

HWP:

EPA ID: CAD983665068

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

Name: DEPRESSURIZED TECHNOLOGIES INT
Address: 335 COCHRANE CIR
Cleanup Status: CLOSED
Latitude: 37.14747
Longitude: -121.6652
Facility Type: Historical - Non-Operating
Site Code: 200961, 520008
Senate District: 17
Assembly District: 30
Quarterly Update: A fixed steel pressurized gas tank was used to collect aerosol propellants from spent aerosol cans. This was a temporary authorization and was Clean Closed

Permit Type: Standardized
Calenviroscreen Score: 46-50%

Closure:

EPA ID: CAD983665068
Facility Type: Historical - Non-Operating
Facility Name: DEPRESSURIZED TECHNOLOGIES INT
Facility Status: CLOSED
Activity Type: Closure Final
Type: STND
Title Description: Closure
Unit Names: Pressurized Gas Tank Stor Unit(DTI-S3)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 10/11/2002

EPA ID: CAD983665068
Facility Type: Historical - Non-Operating
Facility Name: DEPRESSURIZED TECHNOLOGIES INT
Facility Status: CLOSED
Activity Type: Closure Final
Type: STND
Title Description: Closure
Unit Names: Pressurized Gas Tank Stor Unit(DTI-S3)
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 09/27/2002

Alias:

EPA ID: CAD983665068
Facility Type: Historical - Non-Operating
Facility Name: DEPRESSURIZED TECHNOLOGIES INT
Facility Status: CLOSED
Alias Type: FRS
Alias: 110000785561

EPA ID: CAD983665068
Facility Type: Historical - Non-Operating
Facility Name: DEPRESSURIZED TECHNOLOGIES INT
Facility Status: CLOSED
Alias Type: Project Code (Site Code)
Alias: 200961

EPA ID: CAD983665068
Facility Type: Historical - Non-Operating
Facility Name: DEPRESSURIZED TECHNOLOGIES INT
Facility Status: CLOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

Alias Type: Project Code (Site Code)
Alias: 520008

HAZNET:

Name: KOCO MOTION US / DINGS'
Address: 335 COCHRANE CIRCLE
City,State,Zip: MORGAN HILL, CA 95037
Contact: KAREN MCGEOUGH
Telephone: 4086124970
Mailing Address: 335 COCHRANE CIRCLE

Year: 2017
Gepaid: CAC002900737
TSD EPA ID: NVD980895338
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: 0.2125

Additional Info:

Year: 2017
Gen EPA ID: CAC002900737

Shipment Date: 20170316
Creation Date: 5/11/2018 18:33:30
Receipt Date: 20170322
Manifest ID: 000160277DAT
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRAN
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2125
Waste Quantity: 425
Quantity Unit: P

CERS:

Name: DEPRESSURIZED TECHNOLOGIES INT
Address: 335 COCHRANE CIR
City,State,Zip: MORGAN HILL, CA 950370000
Site ID: 606965
CERS ID: CAD983665068
CERS Description: Hazardous Waste

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-1999
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Standardized Permit Return To

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPRESSURIZED TECHNOLOGIES INT (Continued)

1000820468

Compliance: 1999-03-30 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2003

Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Standardized Permit
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Affiliation:

Affiliation Type Desc: Facility Contact
Entity Name: WALTER GONZALEZ
Affiliation Address: INACTIVE PER VQ01 - BMI
Affiliation City: MORGAN HILL
Affiliation State: CA
Affiliation Zip: 950370000
Affiliation Phone: 4087767816,

Affiliation Type Desc: Facility Owner
Entity Name: THOITS BROS C/O RENAULT AND H
Affiliation Address: 2500 EL CAMINO REAL
Affiliation City: PALO ALTO
Affiliation State: CA
Affiliation Zip: --
Affiliation Phone: 0000000000,

HWTS:

Name: KOCO MOTION US / DINGS'
Address: 335 COCHRANE CIRCLE
City,State,Zip: MORGAN HILL, CA 95037
EPA ID: CAC002900737
Inactive Date: 08/04/2017
Create Date: 03/09/2017
Mailing Address: 335 COCHRANE CIRCLE
Mailing City,State,Zip: MORGAN HILL, CA 95037
Owner Name: MAX WIETHARN
Owner Address: 335 COCHRANE CIRCLE
Owner City,State,Zip: MORGAN HILL, CA 95037
Contact Name: KAREN MCGEOUGH
Contact Address: 335 COCHRANE CIRCLE
City,State,Zip: MORGAN HILL, CA 95037
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 37.147632
Longitude: -121.665538

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
53 East 1/4-1/2 0.268 mi. 1415 ft.	PHOTOTEK 18450 SUTTER BLVD MORGAN HILL, CA 95037	RCRA-SQG ENVIROSTOR HAZNET HWTS	1001115570 CAR000015065
Relative: Higher	RCRA Listings:		
Actual: 373 ft.	Date Form Received by Agency:	20020430	
	Handler Name:	PHOTOTEK	
	Handler Address:	18450 SUTTER BLVD	
	Handler City,State,Zip:	MORGAN HILL, CA 95037	
	EPA ID:	CAR000015065	
	Contact Name:	ROBIN A ADAIR	
	Contact Telephone:	650-361-3022 3022	
	EPA Region:	09	
	Land Type:	Private	
	Federal Waste Generator Description:	Small Quantity Generator	
	Active Site Indicator:	Handler Activities	
	Mailing Address:	307 CONSTITUTION DRIVE, MS	
	Mailing City,State,Zip:	MENLO PARK, CA 94025	
	Owner Name:	TYCO ELECTRONICS CORPORATION	
	Owner Type:	Private	
	Operator Name:	TYCO ELECTRONICS CORPORATION	
	Operator Type:	Private	
	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 State-Reg Handler:	---	
	Hazardous Secondary Material Indicator:	NN	
	Commercial TSD Indicator:	No	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	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	
	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	
	Handler Date of Last Change:	20060905	
	Recognized Trader-Importer:	No	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: TYCO ELECTRONICS CORPORATION
Legal Status: Private
Date Became Current: 20020101

Owner/Operator Indicator: Owner
Owner/Operator Name: TYCO ELECTRONICS CORPORATION
Legal Status: Private
Date Became Current: 20020101

Owner/Operator Indicator: Owner
Owner/Operator Name: JAMES OSTENDORF
Legal Status: Private
Owner/Operator Address: 2310 LUNDY AVE
Owner/Operator City,State,Zip: SAN JOSE, CA 95131
Owner/Operator Telephone: 408-435-5501

Owner/Operator Indicator: Operator
Owner/Operator Name: TYCO ELECTRONICS CORPORATION
Legal Status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Date Became Current: 20020101

Owner/Operator Indicator: Owner
Owner/Operator Name: TYCO ELECTRONICS CORPORATION
Legal Status: Private
Date Became Current: 20020101

Historic Generators:

Receive Date: 20020430
Handler Name: PHOTOTEK
Federal Waste Generator Description: Small Quantity Generator
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

Receive Date: 20010430
Handler Name: DYNAVISON INC DBA PHOTOTEK
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 19990304
Handler Name: AGASIS
Federal Waste Generator Description: Large Quantity Generator
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

Receive Date: 20020430
Handler Name: PHOTOTEK
Federal Waste Generator Description: Large Quantity Generator
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

List of NAICS Codes and Descriptions:

NAICS Code: 334412
NAICS Description: BARE PRINTED CIRCUIT BOARD MANUFACTURING

NAICS Code: 334418
NAICS Description: PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

ENVIROSTOR:

Name: PHOTOTEK
Address: 18450 SUTTER BOULEVARD
City,State,Zip: MORGAN HILL, CA 95037
Facility ID: 71003458
Status: Inactive - Needs Evaluation
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 37.14834
Longitude: -121.6543
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAR000015065
Alias Type: EPA Identification Number
Alias Name: 110008062005
Alias Type: EPA (FRS #)
Alias Name: 71003458
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 07/11/2012

HAZNET:

Name: PHOTOTEK
Address: 18450 SUTTER BLVD
City,State,Zip: MORGAN HILL, CA 950370000
Contact: JAMES OSTENDOR F
Telephone: 6509486781
Mailing Address: 738 LOYOLA DR

Year: 2004
Gepaid: CAR000015065
TSD EPA ID: CAD008302903
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Disposal Method:	H01 - Transfer Station
Tons:	9.24
Year:	2003
Gepaid:	CAR000015065
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	67.424
Year:	2002
Gepaid:	CAR000015065
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	D99 - Disposal, Other
Tons:	0.125
Year:	2002
Gepaid:	CAR000015065
TSD EPA ID:	CAT080014079
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H01 - Transfer Station
Tons:	0.005
Year:	2002
Gepaid:	CAR000015065
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.5875
Year:	2001
Gepaid:	CAR000015065
TSD EPA ID:	CAD097030993
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	D99 - Disposal, Other
Tons:	1.2
Year:	2001
Gepaid:	CAR000015065
TSD EPA ID:	CAD097030993
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	R01 - Recycler
Tons:	1.39
Year:	2001
Gepaid:	CAR000015065
TSD EPA ID:	CAD097030993
CA Waste Code:	726 - Liquids with nickel >= 134 Mg./L
Disposal Method:	R01 - Recycler
Tons:	0.221
Year:	2001
Gepaid:	CAR000015065
TSD EPA ID:	CAD097030993
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D99 - Disposal, Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Tons: 12.367

Year: 2001
Gepaid: CAR000015065
TSD EPA ID: CAD008488025
CA Waste Code: 132 - Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method: -
Tons: 4.17

[Click this hyperlink](#) while viewing on your computer to access 62 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2004
Gen EPA ID: CAR000015065

Shipment Date: 20040122
Creation Date: 8/13/2004 7:53:20
Receipt Date: 20040123
Manifest ID: 23310365
Trans EPA ID: CAD004778742
Trans Name: STURGEON AND SON INC
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: H01 - Transfer Station
Quantity Tons: 9.24
Waste Quantity: 2200
Quantity Unit: G

Additional Info:

Year: 2003
Gen EPA ID: CAR000015065

Shipment Date: 20031229
Creation Date: 8/30/2004 14:52:16
Receipt Date: 20031229
Manifest ID: 23310294
Trans EPA ID: CAD004778742
Trans Name: STURGEON AND SON INC
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID: CAT000646117
Waste Code Description: 352 - Other organic solids
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 67.424
Waste Quantity: 80
Quantity Unit: Y

Additional Info:

Year: 2002
Gen EPA ID: CAR000015065

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: D001
Meth Code: - Not reported
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: P106
Meth Code: - Not reported
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: - Not reported
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 352 - Other organic solids
Meth Code: - Not reported
Quantity Tons: 0.0875
Waste Quantity: 175
Quantity Unit: P

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: - Not reported
Quantity Tons: 0.95
Waste Quantity: 1900
Quantity Unit: P

Manifest ID: 21573267
Trans EPA ID: NJD080631369
Trans 2 EPA ID: CAD004778742
TSDF EPA ID: CAT080014079
Waste Code Description: 331 - Off-specification, aged, or surplus organics

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Manifest ID:	21573267
Trans EPA ID:	NJD080631369
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAT080014079
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Manifest ID:	21573267
Trans EPA ID:	NJD080631369
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAT080014079
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Manifest ID:	21573267
Trans EPA ID:	NJD080631369
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAT080014079
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D005
Meth Code:	- Not reported
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Manifest ID:	21573267
Trans EPA ID:	NJD080631369
Trans 2 EPA ID:	CAD004778742
TSDF EPA ID:	CAT080014079
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Info:	
Year:	2001
Gen EPA ID:	CAR000015065
Shipment Date:	20011228
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20020108

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Manifest ID:	21271335
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD097030993
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Shipment Date:	20011228
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20020108
Manifest ID:	21271335
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD097030993
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	D99 - Disposal, Other
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Shipment Date:	20011228
Creation Date:	6/7/2002 18:30:54
Receipt Date:	20020108
Manifest ID:	20828059
Trans EPA ID:	CAR000003707
Trans 2 EPA ID:	NJD986619328
TSDF EPA ID:	CAD008488025
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	- Not reported
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Shipment Date:	20011228
Creation Date:	6/7/2002 18:30:54
Receipt Date:	20020108
Manifest ID:	20828059
Trans EPA ID:	CAR000003707
Trans 2 EPA ID:	NJD986619328
TSDF EPA ID:	CAD008488025
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.014
Waste Quantity:	28
Quantity Unit:	P
Shipment Date:	20011228
Creation Date:	7/2/2002 18:32:18
Receipt Date:	20020108
Manifest ID:	21271334
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD980888598
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Meth Code:	R01 - Recycler
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Shipment Date:	20011228
Creation Date:	7/25/2002 18:31:24
Manifest ID:	21271332
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
Meth Code:	- Not reported
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Shipment Date:	20011228
Creation Date:	7/25/2002 18:31:24
Manifest ID:	21271328
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD008488025
Waste Code Description:	135 - Unspecified aqueous solution
Meth Code:	- Not reported
Quantity Tons:	17.22
Waste Quantity:	4100
Quantity Unit:	G
Shipment Date:	20011228
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20020108
Manifest ID:	21271335
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD097030993
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Shipment Date:	20011220
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011227
Manifest ID:	21271320
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD028409019
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Shipment Date:	20011220
Creation Date:	9/5/2002 18:30:37
Receipt Date:	20020107

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Manifest ID: 21271322
Trans EPA ID: CAR000003707
Trans 2 EPA ID: NJD986619328
TSDF EPA ID: CAD008488025
Waste Code Description: - Not reported
Meth Code: R01 - Recycler

Additional Info:

Year: 2000
Gen EPA ID: CAR000015065

Shipment Date: 20001228
Creation Date: 3/22/2001 0:00:00
Receipt Date: 20010103
Manifest ID: 20581134
Trans EPA ID: CAD010925576
Trans 2 EPA ID: NJD986607380
TSDF EPA ID: CAD008488025
TSDF Alt EPA ID: CAD008488025
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 1.8348
Waste Quantity: 440
Quantity Unit: G

Shipment Date: 20001221
Creation Date: 3/6/2001 0:00:00
Receipt Date: 20001227
Manifest ID: 20581125
Trans EPA ID: CAD010925576
Trans 2 EPA ID: NJD986607380
TSDF EPA ID: CAD008488025
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 0.9174
Waste Quantity: 220
Quantity Unit: G

Shipment Date: 20001219
Creation Date: 3/6/2001 0:00:00
Receipt Date: 20001222
Manifest ID: 20581049
Trans EPA ID: CAD010925576
Trans 2 EPA ID: NJD986607380
TSDF EPA ID: CAD008488025
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 1.6054
Waste Quantity: 385
Quantity Unit: G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Shipment Date:	20001215
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001220
Manifest ID:	20175174
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD097030993
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	D99 - Disposal, Other
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Shipment Date:	20001214
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001219
Manifest ID:	20581050
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Shipment Date:	20001212
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20581016
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.6054
Waste Quantity:	385
Quantity Unit:	G
Shipment Date:	20001207
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001215
Manifest ID:	20580982
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	CAR000047696
TSDF EPA ID:	CAD097030993
TSDF Alt EPA ID:	CAD097030993
Waste Code Description:	726 - Liquids with nickel > 134 mg/l
Meth Code:	R01 - Recycler
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Shipment Date: 20001207
Creation Date: 3/6/2001 0:00:00
Receipt Date: 20001212
Manifest ID: 20104940
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D002
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P

Shipment Date: 20001207
Creation Date: 1/24/2001 0:00:00
Receipt Date: 20001212
Manifest ID: 20108051
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: R01 - Recycler
Quantity Tons: 0.25
Waste Quantity: 500
Quantity Unit: P

Shipment Date: 20001207
Creation Date: 3/5/2001 0:00:00
Receipt Date: 20001211
Manifest ID: 20580987
Trans EPA ID: CAD010925576
Trans 2 EPA ID: NJD986607380
TSDF EPA ID: CAD008488025
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 0.688
Waste Quantity: 165
Quantity Unit: G

Additional Info:
Year: 1999
Gen EPA ID: CAR000015065

Shipment Date: 19991230
Creation Date: 3/7/2000 0:00:00
Receipt Date: 20000106
Manifest ID: 99479269
Trans EPA ID: CAD010925576
Trans 2 EPA ID: NJD986607380
TSDF EPA ID: CAD008488025
TSDF Alt EPA ID: CAD008488025
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

RCRA Code:	code 121 for a list of metals
Meth Code:	D002
Quantity Tons:	T01 - Treatment, Tank
Waste Quantity:	1.8348
Quantity Unit:	440
	G
Shipment Date:	19991221
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991223
Manifest ID:	99479272
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.8348
Waste Quantity:	440
Quantity Unit:	G
Shipment Date:	19991216
Creation Date:	3/7/2000 0:00:00
Receipt Date:	19991221
Manifest ID:	99479456
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.9815
Waste Quantity:	715
Quantity Unit:	G
Shipment Date:	19991207
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991213
Manifest ID:	99479483
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0
Waste Quantity:	495
Quantity Unit:	*
Shipment Date:	19991130
Creation Date:	2/15/2000 0:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Receipt Date:	19991208
Manifest ID:	99479563
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.6054
Waste Quantity:	385
Quantity Unit:	G
Shipment Date:	19991123
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991201
Manifest ID:	99479460
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Shipment Date:	19991122
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	99384827
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD097030993
TSDF Alt EPA ID:	CAD097030993
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	D99 - Disposal, Other
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Shipment Date:	19991116
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991118
Manifest ID:	99479271
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDF EPA ID:	CAD008488025
TSDF Alt EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.2935

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Waste Quantity:	550
Quantity Unit:	G
Shipment Date:	19991109
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991111
Manifest ID:	99479317
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDf EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.0641
Waste Quantity:	495
Quantity Unit:	G
Shipment Date:	19991101
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991104
Manifest ID:	99479316
Trans EPA ID:	CAD010925576
Trans 2 EPA ID:	NJD986607380
TSDf EPA ID:	CAD008488025
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.6054
Waste Quantity:	385
Quantity Unit:	G
Additional Info:	
Year:	1998
Gen EPA ID:	CAR000015065
Shipment Date:	19981228
Creation Date:	4/1/1999 0:00:00
Receipt Date:	19990121
Manifest ID:	98086649
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDf EPA ID:	CAD097030993
TSDf Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Shipment Date:	19981217
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990104
Manifest ID:	98021189

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDF EPA ID:	CAD097030993
TSDF Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Shipment Date:	19981211
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	98115197
Trans EPA ID:	CAR000003707
TSDF EPA ID:	CAD000088252
TSDF Alt EPA ID:	CAD000088252
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Shipment Date:	19981210
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	98084986
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDF EPA ID:	CAD097030993
TSDF Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Shipment Date:	19981204
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981204
Manifest ID:	98499874
Trans EPA ID:	CAD069138899
TSDF EPA ID:	CAD069138899
TSDF Alt EPA ID:	CAD069138899
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Shipment Date:	19981203
Creation Date:	3/15/1999 0:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Receipt Date:	19981221
Manifest ID:	98084985
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDf EPA ID:	CAD097030993
TSDf Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Shipment Date:	19981130
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981201
Manifest ID:	98115159
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD000088252
TSDf Alt EPA ID:	CAD000088252
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Shipment Date:	19981130
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19981218
Manifest ID:	98084984
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDf EPA ID:	CAD097030993
TSDf Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	1.8348
Waste Quantity:	440
Quantity Unit:	G
Shipment Date:	19981125
Creation Date:	3/1/1999 0:00:00
Receipt Date:	19981202
Manifest ID:	97446982
Trans EPA ID:	CAD063547996
TSDf EPA ID:	AZD980735500
TSDf Alt EPA ID:	AZD980735500
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

Shipment Date: 19981119
Creation Date: 2/26/1999 0:00:00
Receipt Date: 19981204
Manifest ID: 98084983
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals

RCRA Code: D002
Meth Code: R01 - Recycler
Quantity Tons: 1.1467
Waste Quantity: 275
Quantity Unit: G

Additional Info:

Year: 1997
Gen EPA ID: CAR000015065

Shipment Date: 19971229
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980108
Manifest ID: 97233782
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals

RCRA Code: D002
Meth Code: R01 - Recycler
Quantity Tons: 1.3761
Waste Quantity: 330
Quantity Unit: G

Shipment Date: 19971218
Creation Date: 3/31/1998 0:00:00
Receipt Date: 19971223
Manifest ID: 97233747
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals

RCRA Code: D002
Meth Code: R01 - Recycler
Quantity Tons: 1.1467
Waste Quantity: 275
Quantity Unit: G

Shipment Date: 19971211
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971211
Manifest ID: 97321350
Trans EPA ID: CAD003963592

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

TSDf EPA ID:	CAD003963592
TSDf Alt EPA ID:	CAD003963592
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	R01 - Recycler
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Shipment Date:	19971211
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19971223
Manifest ID:	97233692
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254
TSDf EPA ID:	CAD097030993
TSDf Alt EPA ID:	CAD097030993
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Shipment Date:	19971210
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971215
Manifest ID:	97280921
Trans EPA ID:	CAR000003707
TSDf EPA ID:	CAD000088252
TSDf Alt EPA ID:	CAD000088252
Waste Code Description:	181 - Other inorganic solid waste Organics
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Shipment Date:	19971208
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971211
Manifest ID:	96760291
Trans EPA ID:	CAD980584510
TSDf EPA ID:	AZD980735500
TSDf Alt EPA ID:	AZD980735500
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Shipment Date:	19971204
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19971217
Manifest ID:	97233736
Trans EPA ID:	CAD095991253
Trans 2 EPA ID:	CAD076303254

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: R01 - Recycler
Quantity Tons: 2.2935
Waste Quantity: 550
Quantity Unit: G

Shipment Date: 19971120
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971204
Manifest ID: 97233718
Trans EPA ID: CAD095991253
Trans 2 EPA ID: CAD076303254
TSDF EPA ID: CAD097030993
TSDF Alt EPA ID: CAD097030993
Waste Code Description: 132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code: D002
Meth Code: R01 - Recycler
Quantity Tons: 1.3761
Waste Quantity: 330
Quantity Unit: G

Shipment Date: 19971117
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971119
Manifest ID: 96760290
Trans EPA ID: CAD980584510
TSDF EPA ID: AZD980735500
TSDF Alt EPA ID: AZD980735500
Waste Code Description: 171 - Metal sludge (see 121
RCRA Code: F006
Meth Code: R01 - Recycler
Quantity Tons: 1
Waste Quantity: 2000
Quantity Unit: P

Shipment Date: 19971110
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971111
Manifest ID: 97280965
Trans EPA ID: CAR000003707
TSDF EPA ID: CAD000088252
TSDF Alt EPA ID: CAD000088252
Waste Code Description: 181 - Other inorganic solid waste Organics
Meth Code: H01 - Transfer Station
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

HWTS:

Name: PHOTOTEK
Address: 18450 SUTTER BLVD
City,State,Zip: MORGAN HILL, CA 95037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTOTEK (Continued)

1001115570

EPA ID: CAR000015065
Inactive Date: 06/30/2004
Create Date: 02/26/1997
Mailing Address: 738 LOYOLA DR
Mailing City,State,Zip: LOS ALTOS, CA 94024
Owner Name: JAMES OSTENDOR F
Owner Address: 738 LOYOLA DR
Owner City,State,Zip: LOS ALTOS, CA 94024
Contact Name: JAMES OSTENDOR F
Contact Address: 738 LOYOLA DR
City,State,Zip: LOS ALTOS, CA 94024
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 37.147907
Longitude: -121.654802

NAICS:

EPA ID: CAR000015065
Create Date: 2002-03-14 16:36:30.000
NAICS Code: 334412
NAICS Description: Bare Printed Circuit Board Manufacturing
Issued EPA ID Date: 1997-02-26 00:00:00
Inactive Date: 2004-06-30 00:00:00
Facility Name: PHOTOTEK
Facility Address: 18450 SUTTER BLVD
Facility City: MORGAN HILL
Facility State: CA
Facility Zip: 950370000

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MORGAN HILL	S111120580	FORMER WHITE GASOLINE	MONTEREY RD & WATSONVILLE RD		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	09/06/2022	09/06/2022	10/26/2022
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	06/21/2022	06/21/2022	09/08/2022
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2019	01/20/2021	04/08/2021
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	07/18/2022	07/18/2022	09/30/2022
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	06/30/2022	07/18/2022	09/30/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	08/16/2022	08/17/2022	08/18/2022
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	06/21/2022	06/21/2022	09/08/2022
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	05/31/2022	05/31/2022	08/18/2022
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/25/2022	05/26/2022	08/11/2022
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	05/20/2022	05/20/2022	08/09/2022
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resources Control Board	07/12/2022	07/18/2022	09/29/2022
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	07/06/2022	07/21/2022	10/03/2022
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	08/09/2022	08/10/2022	08/30/2022
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	08/12/2022	08/16/2022	08/26/2022
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	08/11/2022	08/11/2022	10/28/2022
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	07/05/2022	07/05/2022	09/19/2022
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	ICE	ICE	Department of Toxic Substances Control	08/11/2022	08/11/2022	10/28/2022
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	05/25/2022	05/26/2022	08/11/2022
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	MINES	Mines Site Location Listing	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/06/2022	05/31/2022	08/18/2022
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	06/10/2022	06/10/2022	08/26/2022
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	08/08/2022	08/08/2022	10/20/2022
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	05/31/2022	05/31/2022	08/18/2022
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	08/31/2022	08/31/2022	10/31/2022
CA	PROC	Certified Processors Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	08/04/2022	08/04/2022	10/20/2022
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	08/08/2022	08/08/2022	10/20/2022
CA	SWRCY	Recycler Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/23/2022	05/23/2022	06/02/2022
CA	UST	Active UST Facilities	SWRCB	06/06/2022	06/07/2022	08/24/2022
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/01/2022	06/09/2022	08/26/2022
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	07/25/2022	07/25/2022	10/05/2022
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	06/06/2022	06/07/2022	08/24/2022
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/14/2022	06/15/2022	08/22/2022
US	BRS	Biennial Reporting System	EPANTIS	12/31/2019	03/02/2022	03/25/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2022	07/21/2022	09/30/2022
US	CORRACTS	Corrective Action Report	EPA	06/20/2022	06/21/2022	06/28/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	07/26/2022	08/02/2022	08/22/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/25/2022	07/01/2022	09/30/2022
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/14/2022	06/15/2022	06/21/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
US	FINDS	Facility Index System/Facility Registry System	EPA	08/03/2022	08/25/2022	10/24/2022
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/11/2022	08/11/2022	09/30/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/11/2022	08/11/2022	09/30/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/19/2022	09/19/2022	09/30/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2022	06/13/2022	08/16/2022
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/07/2022	06/13/2022	08/16/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2022	06/13/2022	08/16/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LUCIS	Land Use Control Information System	Department of the Navy	08/16/2022	08/22/2022	10/24/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	08/01/2022	08/02/2022	09/30/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	06/10/2022	06/14/2022	08/22/2022
US	NPL	National Priority List	EPA	07/26/2022	08/02/2022	08/22/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PCS INACTIVE	Listing of Inactive PCS Permits	EPA	11/05/2014	01/06/2015	05/06/2015
US	PRP	Potentially Responsible Parties	EPA	07/26/2022	08/02/2022	08/31/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	07/26/2022	08/02/2022	08/22/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	07/26/2022	08/02/2022	08/22/2022
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	07/26/2022	08/02/2022	08/22/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/26/2022	08/02/2022	08/22/2022
US	SSTS	Section 7 Tracking Systems	EPA	07/18/2022	07/18/2022	07/29/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/20/2022	06/21/2022	08/31/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/03/2022	08/17/2022	08/31/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	08/08/2022	08/08/2022	10/21/2022
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish and Wildlife			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RAISING CANES #991
NOT REPORTED
MORGAN HILL, CA 95037

TARGET PROPERTY COORDINATES

Latitude (North):	37.147292 - 37° 8' 50.25"
Longitude (West):	121.660117 - 121° 39' 36.42"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	618993.1
UTM Y (Meters):	4111848.8
Elevation:	364 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12008746 MORGAN HILL, CA
Version Date:	2018

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).

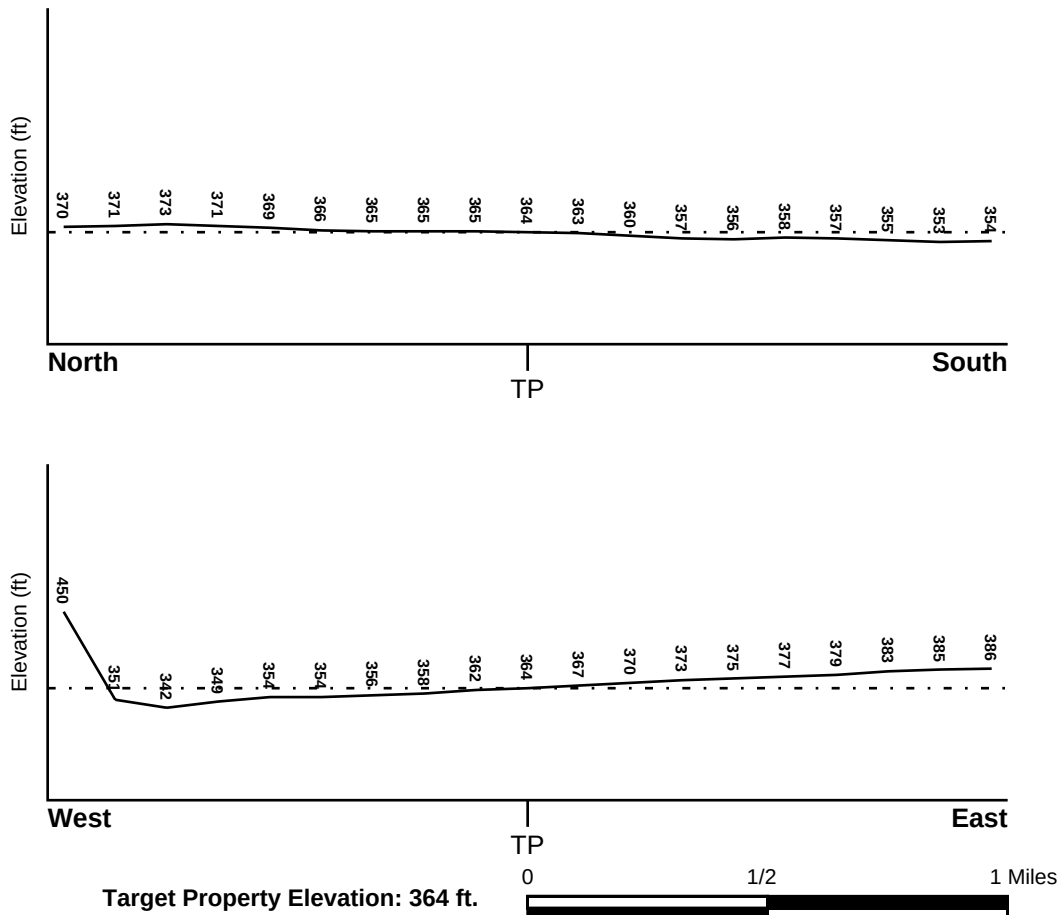
TOPOGRAPHIC INFORMATION

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 WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06085C0443H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06085C0441H	FEMA FIRM Flood data
06085C0442H	FEMA FIRM Flood data
06085C0444H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MORGAN HILL	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©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

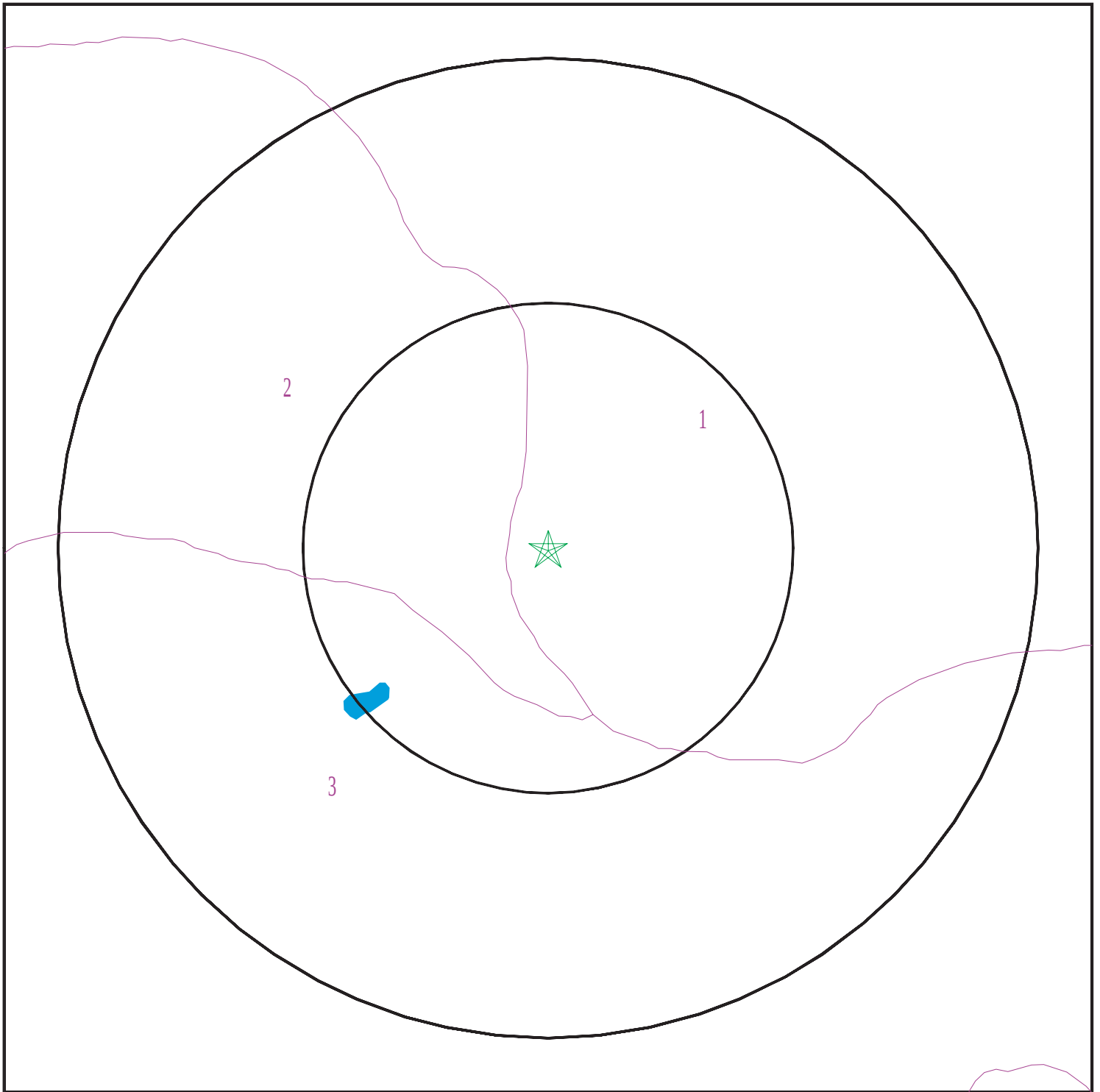
Era:	Mesozoic
System:	Cretaceous
Series:	Upper Mesozoic
Code:	uMze(<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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 - 7169882.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: RAISING CANES #991
ADDRESS: Not Reported
MORGAN HILL CA 95037
LAT/LONG: 37.147292 / 121.660117

CLIENT: Terracon
CONTACT: Santiago Calderon Sierra
INQUIRY #: 7169882.2s
DATE: November 04, 2022 3:19 pm

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: ARBUCKLE

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2
2	20 inches	40 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2
3	40 inches	59 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: CORTINA

Soil Surface Texture: very gravelly loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 183 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6.5 Min: 6.1
2	7 inches	59 inches	sr to very gravelly sandy loam to very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6.5 Min: 6.1

Soil Map ID: 3

Soil Component Name: SAN YSIDRO

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 183 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 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	20 inches	35 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
3	35 inches	50 inches	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
4	50 inches	59 inches	sandy 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

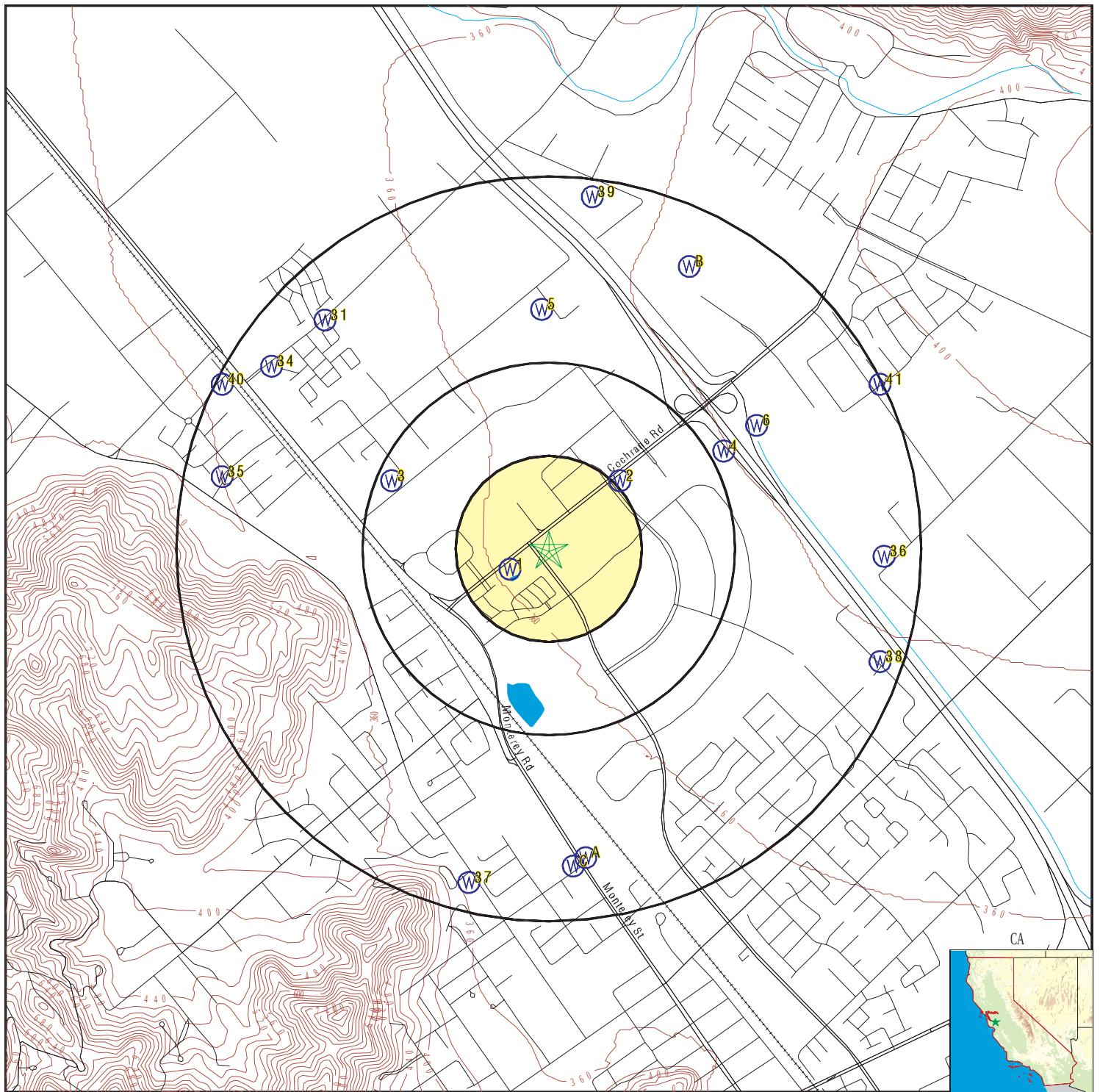
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000009360	0 - 1/8 Mile WSW
2	9381	1/4 - 1/2 Mile NE
3	9383	1/4 - 1/2 Mile WNW
4	CADDW0000015881	1/2 - 1 Mile ENE
5	9382	1/2 - 1 Mile North
6	CADWR9000033972	1/2 - 1 Mile ENE
A7	CAEDF0000128891	1/2 - 1 Mile South
A8	CAEDF0000115821	1/2 - 1 Mile South
A9	CAEDF0000081006	1/2 - 1 Mile South
A10	CAEDF0000082194	1/2 - 1 Mile South
A11	CAEDF0000017820	1/2 - 1 Mile South
A12	CAEDF0000116780	1/2 - 1 Mile South
A13	CAEDF0000117788	1/2 - 1 Mile South
B14	19836	1/2 - 1 Mile NNE
A15	CAEDF0000066232	1/2 - 1 Mile South
A16	CAEDF0000127576	1/2 - 1 Mile South
A17	CAEDF0000139616	1/2 - 1 Mile South
A18	CAEDF0000103172	1/2 - 1 Mile South
A19	CAEDF0000000783	1/2 - 1 Mile South
A20	CAEDF0000047293	1/2 - 1 Mile South
A21	CAEDF0000088122	1/2 - 1 Mile South
C22	CAEDF0000142151	1/2 - 1 Mile South
C23	CAEDF0000072139	1/2 - 1 Mile South
C24	CAEDF0000041473	1/2 - 1 Mile South
A25	CAEDF0000021248	1/2 - 1 Mile South
A26	CAEDF0000084026	1/2 - 1 Mile South
A27	CAEDF0000066703	1/2 - 1 Mile South
A28	CAEDF0000049447	1/2 - 1 Mile South
A29	CAEDF0000005788	1/2 - 1 Mile South
C30	CAEDF0000009632	1/2 - 1 Mile South
31	CADWR9000033992	1/2 - 1 Mile NW
B32	CADDW0000012545	1/2 - 1 Mile NNE
C33	CAEDF0000113781	1/2 - 1 Mile South
34	CADDW0000018085	1/2 - 1 Mile WNW
35	CADWR0000013027	1/2 - 1 Mile WNW
36	CAEDF0000026037	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
37	CADWR9000033853	1/2 - 1 Mile SSW
38	CADWR0000024045	1/2 - 1 Mile ESE
39	CADWR0000026598	1/2 - 1 Mile North
40	CADWR0000021280	1/2 - 1 Mile WNW
41	CADWR0000033773	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 7169882.2s



- 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
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: RAISING CANES #991
 ADDRESS: Not Reported
 MORGAN HILL CA 95037
 LAT/LONG: 37.147292 / 121.660117

CLIENT: Terracon
 CONTACT: Santiago Calderon Sierra
 INQUIRY #: 7169882.2s
 DATE: November 04, 2022 3:18 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WSW
0 - 1/8 Mile
Lower

CA WELLS CADWR0000009360

Well ID:	09S03E17K002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	09S03E17K002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E17K002M&store_num=		
GeoTracker Data:	Not Reported		

2
NE
1/4 - 1/2 Mile
Higher

CA WELLS 9381

Seq:	9381	Prim sta c:	09S/03E-16M03 M
Frds no:	4310006005	County:	43
District:	05	User id:	HEN
System no:	4310006	Water type:	G
Source nam:	COCHRAN WELL - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	370900.0	Longitude:	1213920.0
Precision:	3	Status:	SR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4310006	System nam:	City Of Morgan Hill
Hqname:	Not Reported	Address:	17555 Peak Avenue
City:	Morgan Hill	State:	CA
Zip:	95037	Zip ext:	Not Reported
Pop serv:	27948	Connection:	9290
Area serve:	CITY OF MORGAN HILL		

3
WNW
1/4 - 1/2 Mile
Lower

CA WELLS 9383

Seq:	9383	Prim sta c:	09S/03E-17E03 M
Frds no:	4310006004	County:	43
District:	05	User id:	HEN
System no:	4310006	Water type:	G
Source nam:	BURNETT AVE - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	370900.0	Longitude:	1214000.0
Precision:	8	Status:	SR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4310006	System nam:	City Of Morgan Hill
Hqname:	Not Reported	Address:	17555 Peak Avenue
City:	Morgan Hill	State:	CA
Zip:	95037	Zip ext:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pop serv: 27948
Area serve: CITY OF MORGAN HILL

Connection: 9290

4
ENE
1/2 - 1 Mile
Higher

CA WELLS CADDW0000015881

Well ID: 4310006-005 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: COCHRAN WELL - INACTIVE GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4310006-005&store_num=
GeoTracker Data: Not Reported

5
North
1/2 - 1 Mile
Higher

CA WELLS 9382

Seq: 9382 Prim sta c: 09S/03E-17A05 M
Frds no: 4300848001 County: 43
District: 73 User id: 43C
System no: 4300848 Water type: G
Source nam: WELL 01 Station ty: WELL/AMBNT/MUN/INTAKE
Latitude: 370924.0 Longitude: 1213934.0
Precision: 3 Status: AU
Comment 1: Not Reported Comment 2: Not Reported
Comment 3: Not Reported Comment 4: Not Reported
Comment 5: Not Reported Comment 6: Not Reported
Comment 7: Not Reported

System no: 4300848 System nam: Rancho De Loma Water System
Hqname: Not Reported Address: 19170 CALLE MONIZ
City: MORGAN HILL State: CA
Zip: 95037 Zip ext: Not Reported
Pop serv: 400 Connection: 1
Area serve: Not Reported

6
ENE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000033972

State Well #: 09S03E16F002M Station ID: 47682
Well Name: 09S03E16F002 Basin Name: Santa Clara
Well Use: Observation Well Type: Single Well
Well Depth: 520 Well Completion Rpt #: e027978

A7
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000128891

Well ID: T0608502185-S-24 Well Type: MONITORING
Source: EDF Other Name: S-24

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-24&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-24

A8 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000115821

Well ID: T0608502185-S-21 Well Type: MONITORING
Source: EDF Other Name: S-21
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-21&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-21

A9 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000081006

Well ID: T0608502185-S-23 Well Type: MONITORING
Source: EDF Other Name: S-23
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-23&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-23

A10 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000082194

Well ID: T0608502185-S-8 Well Type: MONITORING
Source: EDF Other Name: S-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=T0608502185&assigned_name=S-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-8

A11 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000017820

Well ID: T0608502185-S-13 Well Type: MONITORING
Source: EDF Other Name: S-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=T0608502185&assigned_name=S-13&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-13

A12 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000116780

Well ID: T0608502185-S-22 Well Type: MONITORING
Source: EDF Other Name: S-22
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-22&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-22

A13 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000117788

Well ID: T0608502185-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=T0608502185&assigned_name=S-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-7

B14 NNE 1/2 - 1 Mile Higher

CA WELLS 19836

Seq: 19836 Prim sta c: 4300931-001
Frds no: 4300931001 County: 43
District: 05 User id: HEN
System no: 4300931 Water type: G
Source nam: WELL 01 Station ty: WELL/AMBNT
Latitude: 370930.0 Longitude: 1213910.0
Precision: 4 Status: AR
Comment 1: Not Reported Comment 2: Not Reported
Comment 3: Not Reported Comment 4: Not Reported
Comment 5: Not Reported Comment 6: Not Reported
Comment 7: Not Reported

System no: 4300931 System nam: B & P Marine
Hqname: Not Reported Address: P.O. Box 730762
City: San Jose State: CA
Zip: 95173 Zip ext: Not Reported
Pop serv: 25 Connection: 1
Area serve: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A15
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000066232

Well ID: T0608502185-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=T0608502185&assigned_name=S-12&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-12

A16
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000127576

Well ID: T0608502185-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=T0608502185&assigned_name=S-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-3

A17
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000139616

Well ID: T0608502185-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=T0608502185&assigned_name=S-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-10

A18
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000103172

Well ID: T0608502185-S-18 Well Type: MONITORING
Source: EDF Other Name: S-18
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-18&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-18

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A19
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000000783

Well ID: T0608502185-S-6 Well Type: MONITORING
Source: EDF Other Name: S-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=T0608502185&assigned_name=S-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-6

A20
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000047293

Well ID: T0608502185-S-19 Well Type: MONITORING
Source: EDF Other Name: S-19
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-19&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-19

A21
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000088122

Well ID: T0608502185-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=T0608502185&assigned_name=S-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-11

C22
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000142151

Well ID: T0608502185-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=T0608502185&assigned_name=S-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C23
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000072139

Well ID: T0608502185-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=T0608502185&assigned_name=S-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-2

C24
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000041473

Well ID: T0608502185-SV-1 Well Type: MONITORING
Source: EDF Other Name: SV-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=T0608502185&assigned_name=SV-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=SV-1

A25
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000021248

Well ID: T0608502185-S-20 Well Type: MONITORING
Source: EDF Other Name: S-20
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608502185&assigned_name=S-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-20

A26
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000084026

Well ID: T0608502185-SV-2 Well Type: MONITORING
Source: EDF Other Name: SV-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=T0608502185&assigned_name=SV-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=SV-2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A27
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000066703

Well ID: T0608502185-S-16 Well Type: MONITORING
Source: EDF Other Name: S-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=T0608502185&assigned_name=S-16&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-16

A28
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000049447

Well ID: T0608502185-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=T0608502185&assigned_name=S-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-4

A29
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000005788

Well ID: T0608502185-S-5 Well Type: MONITORING
Source: EDF Other Name: S-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=T0608502185&assigned_name=S-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-5

C30
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000009632

Well ID: T0608502185-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=T0608502185&assigned_name=S-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

31
NW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000033992

State Well #:	09S03E17D004M	Station ID:	47683
Well Name:	09S03E17D004	Basin Name:	Santa Clara
Well Use:	Observation	Well Type:	Single Well
Well Depth:	232	Well Completion Rpt #:	Not Reported

B32
NNE
1/2 - 1 Mile
Higher

CA WELLS CADDW0000012545

Well ID:	4300931-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4300931-001&store_num=		
GeoTracker Data:	Not Reported		

C33
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000113781

Well ID:	T0608502185-S-17	Well Type:	MONITORING
Source:	EDF	Other Name:	S-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=T0608502185&assigned_name=S-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608502185&assigned_name=S-17		

34
WNW
1/2 - 1 Mile
Lower

CA WELLS CADDW0000018085

Well ID:	4310006-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	BURNETT AVE - IRRIGATION (2004)		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4310006-004&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

35
WNW
1/2 - 1 Mile
Lower

CA WELLS CADWR0000013027

Well ID: 09S03E18H003M Well Type: UNK
Source: Department of Water Resources
Other Name: 09S03E18H003M GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E18H003M&store_num=
GeoTracker Data: Not Reported

36
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000026037

Well ID: AGC100000001-CCGC_0250 Well Type: MONITORING
Source: Agricultural Lands Other Name: CCGC_0250
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=AGLAND&samp_date=&global_id=AGC100000001&assigned_name=CCGC_0250&store_num=
GeoTracker Data: Not Reported

37
SSW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000033853

State Well #: 09S03E20K003M Station ID: 47684
Well Name: 09S03E20K003 Basin Name: Llagas Area
Well Use: Observation Well Type: Single Well
Well Depth: 100 Well Completion Rpt #: e019171

38
ESE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000024045

Well ID: 09S03E16Q004M Well Type: UNK
Source: Department of Water Resources
Other Name: 09S03E16Q004M GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E16Q004M&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

39
North
1/2 - 1 Mile
Higher

CA WELLS CADWR0000026598

Well ID: 09S03E08J002M Well Type: UNK
Source: Department of Water Resources
Other Name: 09S03E08J002M GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E08J002M&store_num=
GeoTracker Data: Not Reported

40
WNW
1/2 - 1 Mile
Lower

CA WELLS CADWR0000021280

Well ID: 09S03E18A004M Well Type: UNK
Source: Department of Water Resources
Other Name: 09S03E18A004M GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E18A004M&store_num=
GeoTracker Data: Not Reported

41
ENE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000033773

Well ID: 09S03E16B002M Well Type: UNK
Source: Department of Water Resources
Other Name: 09S03E16B002M GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=09S03E16B002M&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95037	21	0

Federal EPA Radon Zone for SANTA CLARA 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 Zip Code: 95037

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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, 2010 and 2015 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 California's 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 Health 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 States 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 IRRA 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 E CREDENTIALS

Santiago Calderon Sierra

Assistant Geologist

PROFESSIONAL EXPERIENCE

Santiago Calderon Sierra is an Assistant Geologist in Terracon's Sacramento Office. He has experience in conducting Phase I Environmental Site Assessments (ESAs), and Limited Site Investigations (LSIs).

PROJECT EXPERIENCE

Limited Site Investigations

Assistant Geologist for LSI work. Field work for soils classification, environmental sample collection, laboratory data analysis, and report writing.

Undeveloped/Vacant/Agricultural ESAs – CA

Assistant Geologist for Environmental Site Assessments on several vacant and agricultural properties.

Retail/Commercial Building ESAs - CA

Assistant Geologist for Environmental Site Assessments on multi-tenant retail properties.

EDUCATION

Bachelor of Science, Geology.
California State University,
Sacramento.

Associate of Science, Natural
Science and Mathematics.
Napa Valley College

Associates of Science, Natural
Science.
Napa Valley College

WORK HISTORY

Terracon Consultants, Inc.,
Assistant Geologist, July 2022 –
Present

California State University,
Sacramento, Research
Assistant, 2020-2022

CERTIFICATIONS

40-hour OSHA HAZWOPER

Adult and Pediatric First
Aid/CPR/AED, American Red
Cross

TONY P. MIKACICH

DEPARTMENT MANAGER I | ENVIRONMENTAL SERVICES

PROFESSIONAL EXPERIENCE

Mr. Mikacich is a Professional Geologist in California and Environmental Department Manager in the firm with over 24 years experience managing complex environmental investigations and remediation programs for a variety of industrial, utility and energy-related facilities, military bases, petroleum retailers, and landfill sites in California, and Nevada. Mr. Mikacich's areas of specialty include site characterization, remediation, construction and treatment system oversight, delineation of groundwater contaminant plumes, solid waste characterization, hazardous materials decontamination, and the preparation of technical reports.

Mr. Mikacich also has significant experience in site remediation projects including commercial and retail projects of various sizes in different markets. Mr. Mikacich routinely interacts with state, federal and local regulatory agencies on behalf of clients in obtaining regulatory resolutions to environmental issues and compliance matters.

Mr. Mikacich also has experience in completing regulatory compliance permitting and providing environmental permitting assistance for numerous facilities.

Environmental Compliance Assessments and Monitoring:

Mr. Mikacich has managed numerous compliance assessment and monitoring projects for private, federal, and utility and energy-related clients. The scope of assessments performed includes assessments of such issues as air quality, groundwater, soil, wastewater generation, hazardous waste generation, and aboveground/underground storage tanks. The scope of compliance monitoring projects include groundwater, air quality, surface water quality, and soil. Mr. Mikacich has worked with industries including utility and energy-related facilities, commercial and industrial facilities, chemical manufacturing, petroleum retailers, and commercial real estate construction/development.

Education

*Bachelor of Science in Geology,
California State University, Chico,
2000*

Licenses

*Professional Geologist – California
#9918*

Certifications

*Nevada Certified Environmental
Manager- #EM1859*

*OSHA HAZWOPER 40-hour
certified (1999)*

OSHA HAZWOPER 8-hour (current)

Work History

*Terracon Consultants, Inc. Senior
Geologist and Department Manager,
March 2019-Present*

Gasoline Retailer – Multiple Sites in California and Nevada

Mr. Mikacich managed approximately 10 sites with an annual budget in excess of \$500,000 located in both California and Nevada for a private client with a portfolio of more than 100 retail gasoline stations. Mr. Mikacich's key responsibilities included managing the groundwater monitoring and sampling, assessment, and remediation of site contaminants including BTEX and MTBE. Remedial designs included; dual-phase extraction, vapor extraction, air sparge, and groundwater pump and treat. Additional remedial actions have included Underground Injection Permits for the application of peroxide. Mr. Mikacich's responsibilities also included authoring conceptual site models, work plans, feasibility studies, CAP's, remedial design, treatment system installation, and O&M of remediation systems.

Former Gasoline Retailer – Isleton California

Mr. Mikacich is currently managing project activities that include the preparation of the scope of work and budget to perform a Limited Site Investigation (LSI) for a former gasoline retailer with a reported release from past operations. Mr. Mikacich was responsible for the preparation and application submittal to the California

Orphan Site Cleanup Fund to request financial support for future site assessment and potential remedial action. Mr. Mikacich continues to coordinate directly with Fund staff regarding the status of the application and acceptance into the Orphan Site Cleanup Fund.

Former Gasoline Retailer and Automotive Repair Shop – Stockton California

Mr. Mikacich is currently managing a project that included the preparation of the scope of work and budget to investigate an offsite LUST case and a former onsite automotive repair shop for TPH, VOCs, and metals contaminants in soil and groundwater. A Limited Site Investigation (LSI) was performed at the site to investigate past site use and future redevelopment for a new convenience store and fuel station.

Former Dry Cleaners – Las Vegas, Nevada

Mr. Mikacich managed a former dry cleaner site which had an unauthorized release of tetrachloroethene (PCE) and trichloroethene (TCE) into the subsurface soil and groundwater. Mr. Mikacich's role included submitting a Corrective Action Plan (CAP) to the Nevada Division of Environmental Protection (NDEP) to address on-site contamination, which included expanding the current Dual-Phase Extraction (DPE) system, and a separate CAP and DPE system to address contaminants which migrated off-site and more than 1,800 feet down-gradient in groundwater. This project which had an annual budget of \$300,000 involved the characterization of PCE and TCE, a feasibility study, pilot testing, design and installation of two remedial systems for the clean-up of on- and off-site contaminants. Mr. Mikacich was the primary point of contact to the client and regulatory agencies and was responsible for the implementation of the two CAPs. Mr. Mikacich's responsibilities included providing technical oversight and management of all on-going remediation and monitoring activities to ensure reporting was completed in accordance with all permits and regulatory requirements.

Site Assessment and Hazardous Materials Decontamination Program - Northern California Utility

Mr. Mikacich managed a program that focused on site assessment and decontamination and management of hazardous materials for the Utility to reduce environmental risk and insure worker safety. I was responsible for managing the assessment of approximately 50 sites which resulted in the hazardous materials decontamination of 20 of those sites from across all lines of business. Mr. Mikacich's key roles and responsibilities included managing; program-level cost proposals, budgets and invoicing, quality and work products, schedules, staffing, program team update meetings, and communications with the prime contractor and client. The program had an annual budget as high as \$650,000.

Environmental Site Assessments:

Mr. Mikacich has managed due diligence investigations on property types ranging from commercial retail to manufacturing facilities. The investigations include identification of a variety of environmental hazards including hazardous substance and petroleum impacted soils and groundwater, chlorinated solvents, asbestos, PCBs, USTs and other regulatory concerns. Mr. Mikacich has performed or managed due diligence activities at sites in conformance with ASTM and USEPA guidelines and standards.

Mr. Mikacich has coordinated remedial investigation activities including work plan preparation, implementation and generation of final reports. He has been involved with the development of conceptual site models and corrective action designs to successfully remediate impacted sites. Managed Phase I & II investigative projects. These projects included a wide variety of compliance issues and required familiarity with state and

local hazardous waste management, water wells, fuel storage tanks, and groundwater and soil impact guidelines and regulations.

Sadie Bodiford

PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Ms. Bodiford is a Project Manager at Terracon's Sacramento, CA office. Ms. Bodiford has experience in conducting Phase I Environmental Site Assessments (ESAs), Limited Site Investigations (LSIs), large scale site investigations, and environmental compliance work.

PROJECT EXPERIENCE

Phase I Environmental Site Assessments – CA and NV

Project manager for hundreds of Phase I ESA projects including vacant land and agricultural properties ranging up to 1,000 acres; hospitals and medical office buildings; multi-tenant retail shopping centers; multi-tenant office building; warehouse; and, multi-family residential properties.

Limited Site Investigations – CA

Project Manager for LSI work. Field work for soils classification, installation of groundwater monitoring wells and soil and subslab vapor probes, environmental sample collection, laboratory data analysis and interpretation, and report writing.

Compliance Work – CA and OR

Prepared Industrial and Construction Stormwater Pollution Prevention Plans (SWPPP) and No-Exposure Certification (NEC) letters for construction sites and industrial and warehouse facilities. Submittal of SWPPP and SWPPP related documents to the California SMARTS database. Conducted stormwater compliance inspections for active construction sites. Prepared Spill Prevention Control and Countermeasure (SPCC) and Hazardous Material Business Plan (HMBP) documents for submittal to the California Environmental Reporting System (CERS) online database.

State of California, Department of General Services (DGS) Printing Plant Redevelopment and Repurposing – Sacramento, CA

Terracon provided environmental consulting services during the demolition and construction phases of the former State of California Department of General Services (DGS) Office of State Publishing (OSP) building and Facilities Maintenance Division (FMD) yard. Terracon conducted several environmental investigations that included a review of architectural drawings for the site and recent consultants' Phase I and II ESA reports; subsurface sampling of soil, groundwater, and soil vapor; and geophysical surveys to map existing site utilities and locations of former underground storage tanks (USTs) and trash deposits associated with an unpermitted landfill. During demolition, Terracon oversaw the hazardous materials abatement performed for the OSP warehouse; the excavation and removal of the petroleum-impacted soils on the central portion of the site, excavation of lead-impacted soils on the southern portion of the site, and the removal of transite piping identified during excavation activities. After the completion of site demolition and grading, Terracon worked with the general contractor to prepare a closure report for submittal to the California Regional Water Quality Control Board (RWQCB) overseeing the Voluntary Cleanup Agreement. Terracon is working with DGS to obtain regulatory closure for the cleanup investigation overseen by the RWQCB. Ms. Bodiford assisted in Terracon's 2018-2022 fieldwork, data analysis, perform peer review of reports, managed the geospatial data for the project, and is working with RWQCB regulators towards closure.



EDUCATION

Bachelor of Science, Earth and Planetary Sciences.
Minor: Physics.
University of California, Santa Cruz, 2012

WORK HISTORY

Terracon Consultants, Inc.,
Staff Scientist (2013-2018)
Senior Staff Scientist (2018-2021)
Project Manager (2021-present)

DuPont Pioneer, Lab
Technician, 2013

CERTIFICATIONS

40-hour OSHA HAZWOPER,
Certificate No. 2201035171164

Qualified Compliance Inspector of
Stormwater (QCIS),
Certificate No. e659e06c

Sadie Bodiford – Project Manager (continued)

Carquinez Middle School Removal Action – Crockett, CA

Terracon provided environmental consulting services to the John Swett Unified School District (JSUSD) for their Carquinez Middle School (CSM) campus located in Crockett, California. The JSUSD planned to fully renovate the CSM campus by developing a new school building and demolishing the previous school and band buildings located on the property. The school renovations required oversight by the Department of Toxic Substances Control (DTSC). Terracon assisted the JSUSD with the DTSC's environmental evaluation protocols. In 2017 to 2018, Terracon conducted a Phase I ESA of the property that was incorporated into a Preliminary Endangerment Assessment (PEA) Work Plan and PEA Report. The PEA fieldwork included soil and soil vapor sampling to evaluate potential impacts to the site identified in the Phase I ESA report. Lead impacts were identified in shallow soils and Terracon prepared a Removal Action Workplan (RAW). The Removal Action was completed and a draft Removal Action Completion Report was prepared on behalf of the JSUSD. The case was granted no further action by the DTSC in 2021. Ms. Bodiford assisted in all stages of the investigation from sampling fieldwork, report preparation, geospatial data interpolation, and project management.

Multi-Family Apartment Complex – Santa Clara, CA

Project manager for an LSI and remediation project conducted on a nine-building apartment complex in Santa Clara, California. The client was looking to secure funding to purchase a large portfolio of properties that included the site. A Phase I ESA prepared by another consultant identified off-site solvent releases that had the potential to impact the site. Terracon conducted soil, groundwater, and soil vapor sampling at the site and found concentrations of solvents in soil vapor indicative of a potential concern for vapor intrusion into the apartment buildings. Subslab vapor and indoor air sampling was conducted in 24 first-floor residential units and identified indoor air concentrations above residential land use screening levels. Terracon developed custom subslab vapor intrusion mitigation system (VIMS) engineering designs for each of the property's nine buildings. Terracon is working with the client to permit the VIMS with the Bay Area Air Quality Management District (BAAQMD). Terracon will oversee the VIMS installation and conduct quality control testing of the system once installed.

Oil Changing Facility – South Lake Tahoe, CA

Project manager for a Phase I ESA and LSI of an existing oil changing facility in South Lake Tahoe, California. The client planned to purchase the existing company and take over their lease of the property. The Phase I ESA identified the property was historically developed as a fueling station. Records for the decommissioning of the historical fueling station's underground fueling system were not identified during Terracon's Phase I ESA. A geophysical survey and LSI were conducted at the site to verify if remnants of the underground fueling system remained in place and if the historical fueling and ongoing oil changing operations had impacted the site. Remnants of the UST fuel piping were discovered during the geophysical survey; however, soil and groundwater sampling results identified limited impacts to the subsurface. The client was able to purchase the business and present Terracon's findings to the land owner, notifying them of the residual fuel piping component and subsurface impacts.

Former Food Production Facility – Orland, California

Project manager for a compliance project at a food production manufacturing facility in Orland, California. The facility operations ceased and the facility's Waste Discharge Requirement (WDR) permitting with the Central Valley Regional Water Quality Control Board (CVRWQCB) required closure. At the request of the CVRWQCB, Terracon prepared a Water Quality Assessment (WQA) report that summarized the facility's groundwater data collected between 2013 and 2019. The WQA demonstrated the facility's operations had not negatively affected groundwater quality. The CVRWQCB approved the WQA report and requested closure of the facility's wells. Terracon worked with the client to permit and oversee the destruction of six groundwater monitoring wells.

APPENDIX F

DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. <i>De minimis</i> conditions are not recognized environmental conditions."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Wetlands	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

Appendix E

Stormwater Control Plan Report

Stormwater Control Plan Report
FOR
Raising Cane's
Butterfield Boulevard and Cochrane Road
Morgan Hill, CA 95037
March 14, 2024

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Table of Contents

1.	INTRODUCTION.....	1
1.1	Project Objective.....	1
1.2	Project Summary	1
1.3	Project Existing Condition.....	2
1.4	Project Stormwater Control.....	3
2	STORMWATER MANAGEMENT.....	4
2.1	Post-Construction Requirements	4
2.2	Stormwater Measures	4
2.3	Drainage Management Areas.....	5
2.4	Performance Requirements Introduction	6
3	PERFORMANCE REQUIRMENTS DETAILED CRITERIA.....	7
3.1	PR-1 Site Design and Runoff Reduction.....	7
3.2	PR-2 Water Quality Treatment.....	7
3.3	PR-3 Runoff Retention	9
3.4	PR-4 Peak Management	11
3.5	PR-5 Special Circumstances	11
4	OPERATION AND MAINTAINANCE	13
4.1	Operation and Maintenance Overview	13
4.2	Operation and Maintenance Phases	13
4.3	Operations and Maintenance Documents.....	14
5.	HYDRAULIC ANALYSIS	15
5.1.	Methodology	15
5.2.	Storm Drainage Hydraulic Analysis	16
5.3.	Basin Drawdown Hydraulic Analysis Calculation.....	16

Tables

Table 1. Project Summary

Table 2. Site Design Measure

Table 3. Source Control Measures

Table 4. Drainage Management Areas

Table 5. Facilities: Simplified Sizing Method

Table 6. Required Retention Volumes

Table 7. Provided Retention Volumes

Table 8. Hydraulic Analysis

Table 9. Drawdown Hydraulic Analysis

Appendices

Appendix A – Raising Cane's Entitlement Plans

Appendix B – Geotechnical Report

Appendix C – Performance Requirement Flow Charts and Checklists

Appendix D – Bioretention Facility Calculations

Appendix E – BMP Operation and Maintenance Agreement

Appendix F – Stormwater Treatment Measure Inspection Report

Appendix G – Maintenance Plan for Bioretention Facility

Appendix H – NOAA Rainfall Intensity

Appendix I – Drainage Calculations

Appendix J – 95th Percentile, 24-Hour Storm Depth

1. INTRODUCTION

1.1 Project Objective

The following Stormwater Control Plan (“SWCP”) Report is prepared for the Raising Cane’s Project (“Project”) located at the intersection of Butterfield Blvd and Cochrane Rd in Morgan Hill, CA. The SWCP will describe the Project’s post-construction stormwater controls designed to minimize pollutants and regulate erosion from peak flow rates.

In general, new development and redevelopment projects within the City of Gilroy, City of Morgan Hill, and South Santa Clara County are under jurisdiction of the Regional Water Quality Control Board Region 3 (Central Coast Region). These projects must abide by the Central Coast Post-Construction Requirements per Provision E. 12.k of the Phase II Permit.

Note: The following SWCP references the Stormwater Management Guidance Manual for Low Impact Development & Post-Construction Requirements, dated June 2015 for the City of Gilroy, City of Morgan Hill, and County of Santa Clara (“City Stormwater Management Manual”).

1.2 Project Summary

This report concerns the development of a Raising Cane’s drive-thru restaurant on the existing vacant parcels (APN:726-58-001/2). See Appendix A for Entitlement Plans indicating the project limits. The Project site is a 1.94-acre commercial property located in the City of Morgan Hill, Santa Clara County. The project site will contain a 2,899 square foot Raising Cane’s restaurant building, a drive-thru with a canopy, a menu sign, trash enclosure, hardscape, paved parking and drive, and landscaping. See Civil Grading Plans (Appendix A for locations of the proposed development. A summary of project information, organized by data and description, is organized in Table 1.

Table 1. Project Summary

Project Name/Number	Raising Cane’s
Application Submittal Date	April 13 th , 2023 December 4 th 2023 March 14 th 2024
Project Location	Butterfield Blvd and Cochrane Rd, Morgan Hill, CA
Project Phase No.	N/A
Project Type and Description	Commercial – Development of Vacant Lot
Total Project Site Area (acres)	84,718 SF / 1.94 Acres
Total New Impervious Surface Area	47,077 SF / 1.08 Acres

Total Replaced Impervious Surface Area	11,892 SF / 1.67 Acres
Total Pre-Project Impervious Surface Area	11,892 SF / 1.67 Acres
Total Post-Project Impervious Surface Area	58,969 SF / 1.35 Acres
Net Impervious Area	47,077 SF / 1.08 Acres
Watershed Management Zone(s)	1
Design Storm Frequency and Depth	95 th Percentile 24-hr rainfall depth = 1.7"

1.3 Project Existing Condition

Location

The existing Project site consists of vacant commercial land and is bounded by the following: Cochrane Road on the northeast, Butterfield Blvd on the southwest, and neighboring vacant commercial properties on the northwest and southeast. A layout of the existing Project site is displayed on sheet C1.1 within the Entitlement Plans in Appendix A.

Topography

The existing site is primarily earthen with light vegetative surface with approximately 14% impervious cover. The existing impervious cover consists of sidewalks and private roads serving the commercial center. Currently, the site is relatively flat and runoff generally drains in the SE direction. Runoff is directed to the south side of the site. The storm drain inlets are hydraulically connected and ultimately discharge to the 48" storm drain main along Butterfield Boulevard. The existing project site is comprised of one single Drainage Management Area (DMA), which consists of the vacant mostly undeveloped area.

Soils

A geotechnical engineering investigation of the Raising Cane's Project site is performed by Terracon January 13, 2022. Subgrade soil conditions in our borings generally consisted of medium dense to very dense gravels with variable amounts of sand, silt, and clay with interbedded layers of medium dense to dense silty sand and poorly graded sand to the maximum depth explored of 21½ feet below existing grade (bgs). Approximately 2 feet of medium dense clayey sand fill was encountered at the surface of boring B-01 and practical auger refusal was encountered at a depth of 6½ feet bgs in boring B-03. Free water was encountered in boring B-04 at a depth of 2½ feet bgs at the time of our field exploration.

Testing of existing site soils shows an infiltration rate, 1.84 & 0.13 inches per hour closest to the location of the proposed bioretention ponds.

1.4 Project Stormwater Control

Overview

“Project Stormwater Control” for new development and redevelopment projects involves identifying a project site’s opportunities and constraints for managing stormwater runoff. These opportunities and constraints, also referred to as “Site Assessment Measures”, may include:

- Opportunities: flat topography, preserved natural areas, natural drainage relief
- Constraints: low native infiltration rates, increase of impervious area

A description of the opportunities and constraints for the Commercial Project site are presented in the following section.

Opportunities

The Project site’s proposed development will preserve natural drainage patterns and maximize the pervious footprint on the development. These open space regions will be suitable for stormwater quality treatment facilities.

Constraints

However, the proposed development will increase existing impervious area.

Note: The Project site has 1% impervious cover in existing condition, which will increase to 70% impervious cover in proposed condition.

The Project site’s existing native soils have low infiltration rates, per the testing of the geotechnical engineer’s percolation tests. The percolation results (1.84 & 0.13 in/hr) average to a rate of 0.99 in/hr. Using a factor of safety of 2, the design infiltration rate would just be 0.493 in/hr. Due to the soils characteristics described in the geotechnical report, the project site proposes to construct bioretention facilities and underground detention systems to meet the stormwater control requirements. The bioretention facilities will be unlined at the bottom such that the volumes up to the 95th percentile storm depth will be fully retained onsite.

Note I: The Commercial Project’s existing condition site soils are also investigated per Terracon’s Geotechnical Engineering Report, refer to Appendix B.

Note II: The existing Project site has limited infiltration, however, it does retain the full retention runoff volume onsite as required by “Performance Requirement No. 3 (PR-3) Runoff Retention” of the City Stormwater Management Manual (refer to Section 3.3).

The Project site’s proposed development will increase existing impervious cover and provide reduced open space regions. However, the existing open space regions will be suitable for stormwater quality treatment facilities.

2 STORMWATER MANAGEMENT

2.1 Post-Construction Requirements

New development and redevelopment projects typically generate stormwater pollutants and increased runoff flows, which may adversely impact downstream receiving waters. The construction of a proposed development/redevelopment project which creates and/or replaces greater than or equal to ($\geq$) 2,500 square feet of impervious cover is designated as a “regulated project”. A regulated project is subject to the Central Coast Post-Construction Requirements. These Post-Construction Requirements address the implementation of permanent project features which include site design measures, source control measures, and structural control measures. These stormwater measures will be described in the next section.

2.2 Stormwater Measures

Site Design Measures

Site design measures are Low Impact Development (LID) planning methods to decrease pollutant loadings and large discharges by preserving open space and reducing development envelopes. A summary of site design measures applied by the Commercial Project are presented in Table 2.

Table 2. Site Design Measure

Site Design Measure	Description
Disperse Runoff to Pervious Areas	A portion of runoff from paved/roof surfaces will flow to pervious open areas (some of impervious runoff captured directly by storm drain inlets).
Apply Landscaping as a Drainage Element	Stormwater treatment facilities installed throughout the site within landscaped buffers containing suitable LID vegetation.

Source Control Measures

Source control measures are Best Management Practices (BMPS) which prevent or limit the release of pollutants into stormwater runoff. Source control measures may be structural source control BMPs (i.e. roofed trash enclosures) or operational source control BMPs (i.e. street sweeping). An overview of the Commercial Project’s source control measures is shown in Table 3.

Table 3. Source Control Measures

Source Control Measure	Description
Drainage curb cuts	<u>Structural</u> : Curb cut opening will have rip-rap to route flow to the bioretention basin <u>Operational</u> : Routine inspection and cleaning
Refuse Areas	<u>Structural</u> : Trash facilities will be closed with a roof and wall <u>Operational</u> : Receptacles will be inspected bi-annually for spills or leaks
Pesticides	<u>Structural</u> : Pest-resistant plants selected when feasible for landscape areas near paved surfaces <u>Operational</u> : Professional landscapers to use integrated pest management methods

Structural Control Measures

Structural control measures for a project are engineering systems (“stormwater treatment facilities”) designed to remove constituents of concern (metals, nutrients, oils, etc.) from stormwater runoff through filtration, infiltration, flotation, sedimentation, or evapotranspiration. Stormwater treatment measures may be LID measures (bioretention, infiltration trench, flow-through planter, etc.) or non-LID measures (media filter, extended detention basin, etc.). The City of Morgan Hill also requires priority projects to install full trash capture BMPs. These BMPs will be selected and designed during final design. The Commercial Project will apply bioretention basin facilities to treat stormwater runoff. Bioretention basins are low-lying, landscaped areas containing a soil media/plant root matrix which remove contaminants from runoff through infiltration and evapotranspiration. The project site is delineated into five (5) onsite and two (2) offsite Drainage Management Areas (DMA). Each DMA drains to a specific bioretention basin facility. An overview of these DMAs is included in the next section.

2.3 Drainage Management Areas

For the Commercial Project’s seven (7) Drainage Management Areas, DMAs drain to their respective individual bioretention facilities. A summary of the DMAs is provided in Table 4.

Table 4. Drainage Management Areas

DMA ID	Total Area (SF)	Imperviousness (%)
DMA 1	22,966	70%
DMA 2	4,150	38%
DMA 3	6,929	60%
DMA 4	34,962	76%
DMA 5	13,536	27%
DMA OFF 1	1,611	24%
DMA OFF 2	564	0%
Total	84,718	70%

2.4 Performance Requirements Introduction

The type of project designation, physical location, and quantity of created/replaced impervious dictates which post-construction Performance Requirements (PR) must be satisfied for a new development/redevelopment project. These Performance Requirements (PR) are presented in the City Stormwater Management Manual, and include the following:

1. Performance Requirement No. 1 (PR-1) Site Design and Runoff Reduction
2. Performance Requirement No. 2 (PR-2) Water Quality Treatment
3. Performance Requirement No. 3 (PR-3) Runoff Retention
4. Performance Requirement No. 4 (PR-4) Peak Management
5. Performance Requirement No. 5 (PR-5) Special Circumstances

The City provides flow charts to assist in determining which PRs are applicable for a project. For the Commercial Project, these completed flow charts are included in Appendix C. Detailed descriptions of these PRs are presented in the next section.

3 PERFORMANCE REQUIREMENTS DETAILED CRITERIA

3.1 PR-1 Site Design and Runoff Reduction

The PR-1 criteria involve employing Low Impact Development (LID) strategies for a Project. Any project which creates and/or replace greater than or equal to ($\geq$) 2,500 square feet of impervious surface is subject to PR-1.

LID strategies include planning and design methods for a project site aimed to reduce stormwater runoff and maintain pre-project hydrology through runoff management using infiltration, retention, detention, and/or evapotranspiration. PR-1 includes the following measures: (i) prevent significant hydrologic impacts to natural drainage systems, (ii) avoid compaction of highly permeable soils, (iii) protect native vegetation, (iv) reduce impervious surface cover, and (v) minimize stormwater runoff volume by dispersing flow from roofs and paved areas to pervious landscaped areas.

The Performance Requirement No. 1 (PR-1) Site Design and Runoff Reduction Certification and Source Control Checklist for the Raising Cane's (Commercial Development) Project are included in Appendix C.

3.2 PR-2 Water Quality Treatment

Projects must meet PR-2 criteria by constructing a stormwater treatment facility, which includes a LID treatment system, biofiltration treatment system, or non-retention-based treatment system. Projects must meet the PR-2 criteria when either of the following are true: (1) the project has greater than or equal to ($\geq$) 5,000 square feet of net impervious cover, except detached single-family homes or (2) the project is detached single-family homes with greater than or equal to ($\geq$) 15,000 square feet of net impervious cover.

The Performance Requirement No. 2 (PR-2) Water Quality Treatment Certification for the Raising Cane's (Commercial Development) Project is included in Appendix C. A summary of the stormwater treatment facilities is as follows:

- LID Treatment System: rainwater harvesting and use, infiltration, evapotranspiration, bioretention basin without an underdrain
- Biofiltration System: bioretention basin with a raised underdrain or a system with equivalent effectiveness
- Non-Retention Based Treatment System: lined bioretention basin, flow-through planter, tree well filter, media filter

The Commercial Project will implement a series of bioretention planters to treat stormwater runoff. The Project DMAs 1-5 drain to their respective bioretention basin by surface flow spilling through curb-cut openings into the basin. Drainage areas Off-1 and Off-2 cannot be feasibly retained onsite, therefore a equivalent bioretention area has been added for both areas to the bioretention in drainage area 4.

Simplified Sizing Method

The preliminary sizing of the Commercial Project's bioretention facilities follow the simplified sizing method, as outlined in the City Stormwater Management Manual:

“There is a simplified method for bioretention facilities meeting the design loading rate (infiltration rate) of 5 inches per hour to detain and treat runoff produced by a rainfall intensity of 0.2 inches per hour.”

The simplified method applies a facility sizing factor 0.04 derived by the following:

$$\text{Facility Sizing Factor} = \frac{\text{Bioretention Surface Area}}{\text{Tributary Impervious Area}} = \frac{0.2 \text{ in/hr}}{5.0 \text{ in/hr}} = 0.04$$

...and the minimum facility size is determined by the following equation:

$$\text{Minimum Facility Size} = \sum \left(\text{DMA}_{\text{Area}} \times \frac{\text{Runoff}}{\text{Factor}} \right) \times \left(\frac{\text{Facility}}{\text{Sizing Factor}} \right)$$

where: runoff factor = 1.0 for impervious area
runoff factor = 0.1 for pervious area

Sizing of the Project's bioretention basin facilities using the simplified sizing method is provided in Table 5. Detailed basin sizing calculations are included in Appendix D and a layout of the Project site's proposed facilities is shown in Appendix A.

Table 5. Facilities: Simplified Sizing Method

DMA ID	Total Area (SF)	Impervious Area (SF)	Minimum Bioretention Facility Size (SF) ₁	Provided Bioretention Facility Size (SF)
DMA 1	22,966	16,156	674	1,159
DMA 2	4,150	1,584	74	245
DMA 3	6,929	4,180	179	401
DMA 4	34,962	26,578	1,097	1,668
DMA 5	13,536	3,642	162	758
DMA OFF 1	1,611	386	21	-
DMA OFF 2	564	0	3	-
Total	84,718	58,969	2,462	4,231

The proposed project falls within a larger development known as Evergreen Village (“The Village”). A separate Storm Water Runoff Management Plan was completed by MH Engineering Co and is dated April 2019. The proposed site lies within The Village's drainage management area 4 (175,107 sf). The remaining portion of drainage management area has approximately 2,270 sf impervious area which would require approximately 91 sf of bioretention area. This will continue to be met via bioretention area that will remain in the Village's drainage area 4 which will be approximately 260 sf. Runoff from this area will be temporarily routed to the underground storm drain system proposed for the site in the interim condition. The Village will be responsible for maintenance of this BMP and will ultimately create a new connection to the City's storm drain system or right-of-way during the development of this area.

3.3 PR-3 Runoff Retention

The PR-3 criteria apply to regulated projects according to the following: (1) projects which create and/or replace greater than or equal to ($\geq$) 15,000 square feet of impervious cover, except detached single-family homes or (2) projects which are detached single family homes with greater than or equal to ($\geq$) 15,000 square feet of net impervious cover. PR-3 describes the requirement for retaining stormwater runoff volume on the project site. The calculation of the retention volume is based on the designated Watershed Management Zone (WMZ) the project site resides. The WMZ maps are adopted from the California Water Boards.

To satisfy the PR-3 runoff retention criteria, regulated projects should implement the following LID items: site assessment measures, site design measures, and self-treating/self-retaining areas. A description of each LID item is presented:

Site Assessment Measures: identifying opportunities and constraints of the project site which affect stormwater management (includes topography, habitats, vegetation, utilities, open space, zoning density, etc.)

Site Design Measures: involves using LID techniques for a project site to preserve natural areas and minimize impervious cover

Self-Treating/Self-Retaining Areas: (i) self-treating areas are regions in which natural processes occur for pollutant removal (includes natural areas, green roofs, permeable pavements, etc.); self-treating areas do not receive runoff from other areas (ii) self-retaining areas are regions where runoff drains into an open space depression for ponding and infiltrating; self-retaining areas do not generate runoff tributary to downstream drainage systems

The Performance Requirement No. 3 (PR-3) Runoff Retention requires the following documents

for the Project:

- Design Rainfall Events & Treatment Requirements for WMZs
- LID Site Assessment Checklist
- LID Site Design Measures
- Technical Infeasibility Checklist

These PR-3 documents for the Raising Cane's (Commercial Development) Project are included in Appendix C.

Once the previously mentioned LID items (Site Assessment Measures, Site Design Measures, Self-Treating/Self-Retaining Areas) are utilized to the maximum extent possible, structural control measures must be designed. The analysis of the Project's structural control measures (bioretention basin facilities) for handling runoff retention volume are presented in the following section.

Runoff Retention Analysis: Approach

To calculate runoff retention volume, the WMZ for the project site is identified, which determines a corresponding rainfall event depth for retention. The City of Morgan Hill is part of WMZ 1 and WMZ 2, and the Commercial Project site is completely within WMZ 1, which has the following runoff retention requirement according to the City Stormwater Management Manual:

“Retain the 95th percentile 24-hour rainfall event by optimizing infiltration. Retention of the remaining volume must be achieved via storage, rainwater harvesting and/or evapotranspiration”.

The runoff retention volume for sizing structural control measures (bioretention facilities) is based on the methodology of the City Stormwater Management Manual. The retention volume is computed accordingly:

1. Determine the retention tributary area, where:

Retention Tributary Area = (Entire DMA Area) – (Self · Treating Areas) – (Self · Retaining Areas)

2. Determine the 95th percentile, 24-hour rainfall event depth

3. Calculate the runoff coefficient “C” for each tributary area using the following equation:

$$C = 0.858i^3 - 0.78i^2 + 0.774i + 0.04$$

where i = tributary area impervious fraction

4. Calculate the runoff retention volume as:

$$\text{Runoff Retention Volume} = C \times 95^{\text{th}} \text{ Rainfall Depth} \times \text{Retention Tributary Area}$$

For the Commercial Project Site, the 95th percentile, 24-hour storm depth is **1.7 inches**, as shown on Appendix J. The computed runoff retention volumes for the Project Site are computed for DMAs 1 and 2, where the “Retention Tributary Area” equals the “Entire DMA Area”. Project’s required retention volumes are provided in Table 6.

Table 6. Required Retention Volumes

DMA ID	Retention Tributary Area (SF)	Impervious Fraction, I	Runoff Coefficient (C)	Runoff Retention Volume (CF)
DMA 1	22,966	70.35%	0.4972	1,618
DMA 2	4,150	38.17%	0.2695	158
DMA 3	6,929	60.33%	0.4114	404
DMA 4	34,962	76.02%	0.5546	2,747
DMA 5	13,536	26.91%	0.2085	400
DMA OFF 1	1,611	23.96%	0.1925	44
DMA OFF 2	564	0.00%	0.0400	3
Total	84,718	69.6%	0.4902	5,883

Runoff Retention Analysis: Calculation

Runoff Retention is to be provided in the flow-through planter systems for each DMA. The calculations for the provided retention volume for each flow-through planter is shown in Table 7 below. The subsurface storage of the biotreatment soil is calculated at a 30% void space, while the subsurface storage of the gravel layer is calculated at a 40% void space.

As calculated, the provided flow-through planter systems retain the 95th percentile 24-hour rainfall event. Drainage areas Off-1 and Off-2 cannot be feasibly retained onsite, therefore a equivalent bioretention volume has been added for both areas to the bioretention in drainage area 4.

Table 7. Provided Retention Volumes

DMA ID	Retention Tributary Area (SF)	Ponding Depth (FT)	Depth of Planting Media(FT)	Depth of Gravel Section (FT)	Required Retention Volume (CF)	Retention Volume Provided
DMA 1	22,966	0.5	2.0	2.0	1,618	2,379
DMA 2	4,150	0.5	2.0	2.0	158	499
DMA 3	6,929	0.5	2.0	2.0	404	868
DMA 4	34,962	0.5	2.0	2.0	2,747	3,466
DMA 5	13,536	0.5	2.0	2.0	400	4,995
OFF-1	1,611	-	-	-	44	-
OFF-2	564	-	-	-	3	-
Total	69,007				4,927	7,212

3.4 PR-4 Peak Management

The PR-4 criteria involve controlling peak post-development flowrates for a Project site through hydrologic/hydraulic planning and design. Projects must abide by PR-4 when the project creates and/or replaces greater than or equal to ($\geq$) 25,000 square feet of impervious surface and are located in Watershed Management Zones (WMZ) 1, 2, 3, 6, and 9.

PR-4 applicants are required to manage post-development peak flows discharged for the site. Post-development stormwater runoff peak flows must not exceed pre-development peak flows for the 2- through 10-year storm events. Peak flow controls must also meet the flood control standards established by the City of Morgan Hills and the Santa Clara County Drainage Manual (2007).

Two underground detention facilities are proposed in addition to the bioretention facilities to mitigate the post-development peak flows as shown in Table 8. A PCSWMM model was completed to perform an event-based simulation of the 2-, 10-, 25-, and 100-year storm events. Full hydrologic methodology is included in Section 5.

Table 8. Peak Flow Mitigation

Outfall OF1	Existing (cfs)	Proposed (cfs)
2-Yr	0.11	0.06
10-Yr	0.75	0.39
25-Yr	0.99	0.42
100-Yr	1.36	1.34

3.5 PR-5 Special Circumstances

Some regulated projects may be subject to PR-5 related to “Special Circumstances” according to specific site and/or receiving water conditions. The “Special Circumstances” are applicable to projects which discharge runoff to the following: (i) highly altered channel, (ii) intermediate

flow control facility, or (iii) historic lake and wetland. There are no properties within the jurisdictional limits of the City of Morgan Hill which categorize as exhibiting “Special Circumstances”.

4 OPERATION AND MAINTAINANCE

4.1 Operation and Maintenance Overview

All regulated projects incorporating structural control measures (stormwater treatment facilities) are required to have an Operation and Maintenance (O&M) Plan. The O&M plan assists in achieving the following objectives:

- adequately maintaining stormwater treatment facilities
- repairs and restorations performed in a timely manner

The O&M plan will include a site layout with all facilities, O&M procedures for all facilities, and short-term/long-term maintenance conditions.

4.2 Operation and Maintenance Phases

The O&M process is typically divided into five (5) separate phases:

1. Establishing Ownership and Maintenance Responsibility
2. Identifying Maintenance Requirements
3. Developing Maintenance Plan
4. Executing Operation and Maintenance Agreement
5. Performing Scheduled Inspections and Maintenance

These five (5) phases will be described in the following section.

Ownership and Maintenance Responsibility

The responsibility for maintenance and ownership for BMP facilities belongs to project applicant and/or property owner. The project's responsible party is typically identified during the project's planning phase and will be presented in the project's Stormwater Control Plan (SWCP). In addition, the project applicant/property owner must also sign a document for relevant municipalities indicating he/she is accepting responsibility for BMP facility maintenance.

Maintenance Requirements

The selection of the type of BMP facility (bioretention, infiltration trench, flow-through planter, etc.) for a project warrants the importance of acknowledging the maintenance requirements. BMP facilities must receive proper maintenance to effectively treat site runoff over the life of a project. Maintenance requirements should be identified during the project's planning/design phase and presented in the project's SWCP.

Maintenance Plan

A maintenance plan for a project's BMP facilities is submitted to the governing jurisdiction in conjunction with the building permit application. In general, maintenance plans present a routine series of tasks (repair/restore/clean/assess) related to ensuring a BMP facility is functioning optimally for pollutant removal efficiency.

Operation and Maintenance Agreement

To certify long-term maintenance will be upheld for BMP facilities over the life of the project, an Operation and Maintenance (O&M) Agreement must be documented and executed with local jurisdictional agencies. The standards for an appropriate O&M Agreement are dependent on the requirements of the local jurisdiction.

Scheduled Inspections and Maintenance

Following the execution of an O&M for a project's BMP facilities, the responsible individual (project applicant and/or property owner) must implement the maintenance plan. The local municipalities (City, County, Water Board, etc.) will also administer operation and maintenance verification inspections.

4.3 Operations and Maintenance Documents

For the Commercial Project's O&M process, the following documents have been prepared:

- BMP Operation and Maintenance Agreement (refer to Appendix E)
- Stormwater Treatment Measure Inspection Report (refer to Appendix F)
- Maintenance Plan for Bioretention Area (refer to Appendix G)

5. HYDROLOGIC AND HYDRAULIC ANALYSIS

5.1. Hydrology Methodology

A PCSWMM hydraulic model was developed to evaluate the capacity and outlet geometry requirements of the Project's storm drainage system and proposed BMPs. Chapter 3-4 of the Storm Drainage Master Plan and Chapter 4-5 of the Santa Clara County Drainage Manual from August 2007 describes the methodology utilized to analyze the hydrology and hydraulics for the Project. A description of the PCSWMM model set up is described below. Detailed input and output for these and other parameters for all modeling scenarios can be found within **Appendix I**.

The SCS curve numbers were selected based on the effective impervious percent for each drainage area.

Precipitation

The PCSWMM Model precipitation depths are based on the rainfall data provided in the Storm Drainage Master Plan. A 24-hour California Type 1 hydrograph rainfall distribution was selected to calculate the peak runoff and develop a hydrograph for the project site conditions per the Santa Clara County Drainage Manual.

Storages

The bioretention systems are included in the model as storage units based on the site plan information. The underground detention systems are included in the model as storage units based on the manufacturer's stage storage tables. Stage-storage tables have been developed based on the proposed grading plans and can be found in **Appendix I**.

Drainage Areas

Drainage management areas (referred to in PCSWMM as "subcatchments") have been delineated based upon topography and proposed grading information. Impervious surface percentages have been modeled in the post development scenarios based upon the site plans. The curve number (CN) selected for existing and proposed conditions were selected based on effective impervious percent for each drainage area.

Overflow Inlets

Overflow inlets are included in the model as weirs. Overflow inlets within the bioretention areas will have a minimum weir crest 6-inches above the bottom of the bioretention area so that the 85th and 95th percentile volumes are fully retained and infiltrated within the bioretention BMP. Runoff exceeding the capacity of the bioretention areas will discharge via the overflow inlets and connect to underground detention systems. Drainage area 2 will direct connect to the existing public storm drain lateral. The underground detention systems will discharge via a storm drain pipe at the bottom of the systems to mitigate the proposed runoff during larger storm events.

Soil Media Infiltration

The losses in the proposed BMPs are included in the model as outlet curves from each BMP. The infiltration rate provided by the soils engineer was multiplied by the bottom area of each BMP and multiplied by a conversion factor to obtain a constant infiltration rate in cubic feet per second. These calculations are included in Appendix I.

Outfalls

Representative outfalls have been provided at each connection to the existing storm drain lateral for the pre-development and post development scenarios.

5.2. Storm Drainage Hydraulic Analysis

All storm drain laterals are sized to accommodate unmitigated runoff from the 10-year design storm with full-flow capacity while being able to route up to the 100-year design storm. A dynamic wave was utilized to route the hydrographs through the storm drain system. A conservative Manning's Roughness Coefficient of 0.013 was selected for the proposed storm drain laterals. Refer to pipe calculations in the PCSWMM output in Appendix I.

5.3. Detention Analysis

The proposed BMPs were entered into the model based on the actual proposed grading for the bioretention facilities and the manufacturer's stage-storage table for the underground detention facilities. Each bioretention facility will have an inlet raised minimum 6-inches over the biofiltration bottom. The PCSWMM model has a single outfall point representative of the analysis point of concentration where all drainage areas ultimately discharge to the exiting 48-inch pipe.

5.4. Basin Drawdown Hydraulic Analysis Calculation

Using the calculation formulas provided below, the maximum drawdown time based on the 100-year water surface depth was used to ensure that the drawdown time is no longer than 48 hours. Note this calculation is conservative as it doesn't account for any evapotranspiration nor the water still beneath the underdrain that will infiltrate into the underlying soil. These calculations are only applied to the above ground section of the bioretention facilities.

$$d_{max} = \frac{f_{design}}{12} \times t$$

Where,

dmax= maximum ponding depth (max of retention depth and 100-year depth) (ft)

fdesign = design infiltration rate (in/hr)

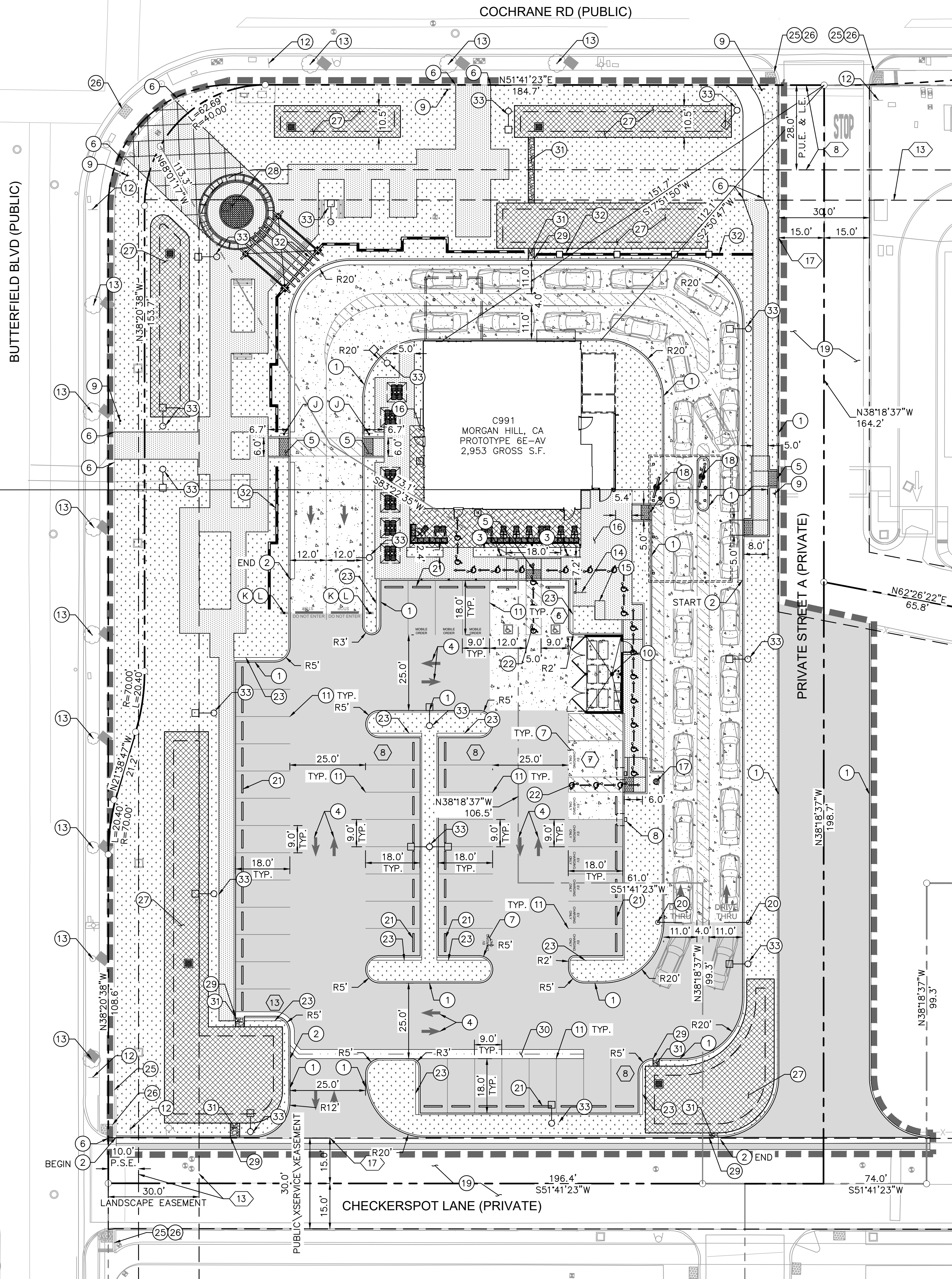
t = drawdown time (hr)

Table 9. Drawdown Time Analysis

BMP ID	Bioretention Bottom Area (SF)	Infiltration Rate (in/hr)	Maximum 100- Year Depth (IN)	Drawdown Time (hr)
1A	440	0.493	0.93	22.64
1B	719	0.493	0.9	21.91
2	245	0.493	0.88	21.42
3	401	0.493	0.5	12.17
4	1,668	0.493	0.57	13.87
5	758	0.493	0.5	12.17

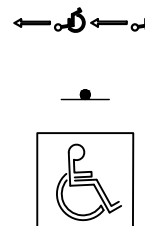
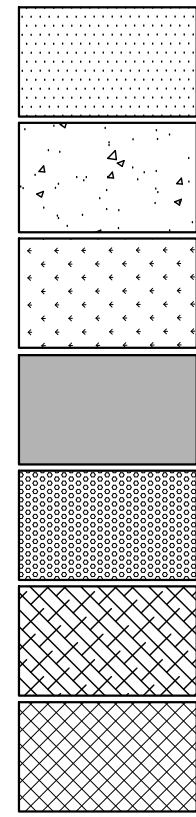
Appendix A – Raising Cane’s Civil Entitlement Plans

Drawing name: K:\ORA-LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C1.0 - Preliminary Site Plan.dwg C1.0 PRELIMINARY SITE PLAN Mor 15, 2024 12:52pm by: kacie.won
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LEGEND:

- CENTER LINE
- EXISTING PARCEL LINE TO BE REMOVED PER LOT LINE ADJUSTMENT BY OTHERS
- PROPOSED PARCEL LINE PER LOT LINE ADJUSTMENT BY OTHERS
- EASEMENT LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE



- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- LANDSCAPE/PLANTER AREA
- HEAVY DUTY ASPHALT PAVEMENT
- DETECTABLE WARNING SYSTEM
- COLORLED CONCRETE/ENHANCED PAVING
- BIORETENTION BASIN
- ACCESSIBLE ROUTE (LOCATION PURPOSES ONLY, DO NOT PAINT)
- SIGN POST
- ACCESSIBLE PARKING SPACE
- NUMBER OF PARKING SPACES

CONSTRUCTION NOTES:

- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- ACCESSIBLE PARKING STALL SIGN
- DIRECTIONAL MARKING PER PLAN
- ACCESSIBLE RAMP WITH DETECTABLE WARNING (TRUNCATED DOMES)
- JOIN EXISTING CURB, CURB & GUTTER, SIDEWALK
- "EV CHARGING ONLY" IN 12" HIGH WHITE LETTERS AT THE END OF PARKING STALL
- FUTURE E/V CHARGING STATION. CONDUIT TO BE RAN TO STALL FOR FUTURE CONNECTION
- ADA PATH OF TRAVEL SIGN
- COVERED TRASH ENCLOSURE AND RECYCLING BIN STORAGE
- STANDARD 90° PARKING STALL STRIPING
- EXISTING SIGN TO REMAIN
- EXISTING TREE TO REMAIN
- SHORT TERM BIKE RACK
- LONG TERM BIKE RACK
- OUTDOOR COVERED PATIO TO BE STAINED STANDARD DUTY CONCRETE PAVEMENT
- PREVIEW BOARD
- ORDER BOARD
- EXISTING DRIVEWAY TO REMAIN
- HEIGHT DETECTOR POLE
- INSTALL WHEELSTOPS FOR PARKING SPACES ADJACENT TO WALKWAYS
- ACCESSIBLE PATH OF TRAVEL STRIPING. ACCESSIBLE PATHS SHALL BE ENHANCED PAVING
- 18" WALK-OFF CURB
- STANDARD 90° PARKING STALL TO REMAIN
- SIDEWALK TO REMAIN
- CURB RAMP TO REMAIN
- PROPOSED BIORETENTION BASIN
- EMBLEM IN PAVERS WITH "RAISING CANE'S"
- 2' WIDE CURB CUT
- 3' WIDE VALLEY GUTTER
- GRAVEL RIP-RAP
- 3' HIGH DECORATIVE CMU BLOCK SCREENING WALL.
- PROPOSED SITE LIGHTING

LEGAL DESCRIPTION

THE LAND REFERRED TO IS SITUATED IN THE COUNTY OF SANTA CLARA, CITY OF MORGAN HILL, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCELS 1 AND 2, AS SHOWN UPON THAT CERTAIN "PARCEL MAP EVERGREEN VILLAGE" FILED JULY 17, 2019 IN BOOK 924, PAGES 45, 46, 47.

APN'S: 726-58-001 (PARCEL 1) AND 726-58-002 (PARCEL 2)

VERTICAL DATUM

NAVD 88 AS ADJUSTED TO THE SANTA CLARA COUNTY BENCHMARK "HS2754" BEING A BENCH MARK DISC SET IN A CONCRETE WALL, STAMPED "R 19 1919", ELEVATION: 353.29'.

SIGN INFORMATION

- INSTALL CMUTCD SIGN R5-1 - "YIELD TO PEDESTRIANS"
- INSTALL CMUTCD SIGN R5-1 - "DO NOT ENTER"
- INSTALL CMUTCD SIGN R1-1 - "STOP"

SITE DATA

PROJECT DESCRIPTION:

ADDRESS:

APN:

ZONING DISTRICT:

ADJACENT ZONING DISTRICTS:

LAND USE:

ADJACENT LAND USE:

GENERAL PLAN DISTRICT:

SPECIFIC PLAN:

FLOOD ZONE:

TOTAL DISTURBED AREA:

TOTAL LOT AREA:

TOTAL COMMERCIAL CENTER AREA:

LOT COVERAGE

TOTAL SITE AREA:

BUILDING AREA:

IMPERVIOUS AREA:

LANDSCAPE AREA:

PARKING/LANDSCAPE BUFFER

NORTH (COCHRANE):

WEST (BUTTERFIELD):

EAST (INTERIOR ACCESS ROAD):

SOUTH (EVERGREEN VILLAGE ROAD):

PARKING SUMMARY:

RAISING CANE'S:

2,953 S.F. BUILDING (1 STALL/100 S.F.) = 30 TOTAL STALLS REQUIRED PER CITY CODE

2,953 S.F. (BUILDING)

ADA PARKING FOR 26-50 PARKING STALLS = 2 ADA PARKING STALLS REQUIRED, PER 2022 CBC.

NUMBER OF REQUIRED EV CAPABLE SPACES = 6 EV CAPABLE STALLS REQUIRED

NUMBER OF ELECTRIC VEHICLE CHARGING STATIONS (EVCS) = 2 OUT OF THE 6 EV CHARGING STATIONS, OF THOSE, 1 MUST BE VAN ACCESSIBLE, AND 1 MUST BE STANDARD ACCESSIBLE. (EVCS STALLS ARE ALSO EV CAPABLE).

TOTAL NUMBER OF PARKING SPACES PROVIDED = 50

RAISING CANE'S

REQUIRED

20

6

2

EV CAPABLE

EV CHARGING STATIONS

ACCESSIBLE

TOTAL:

2

30

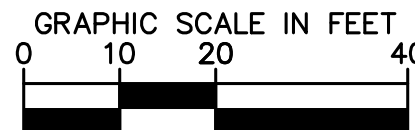
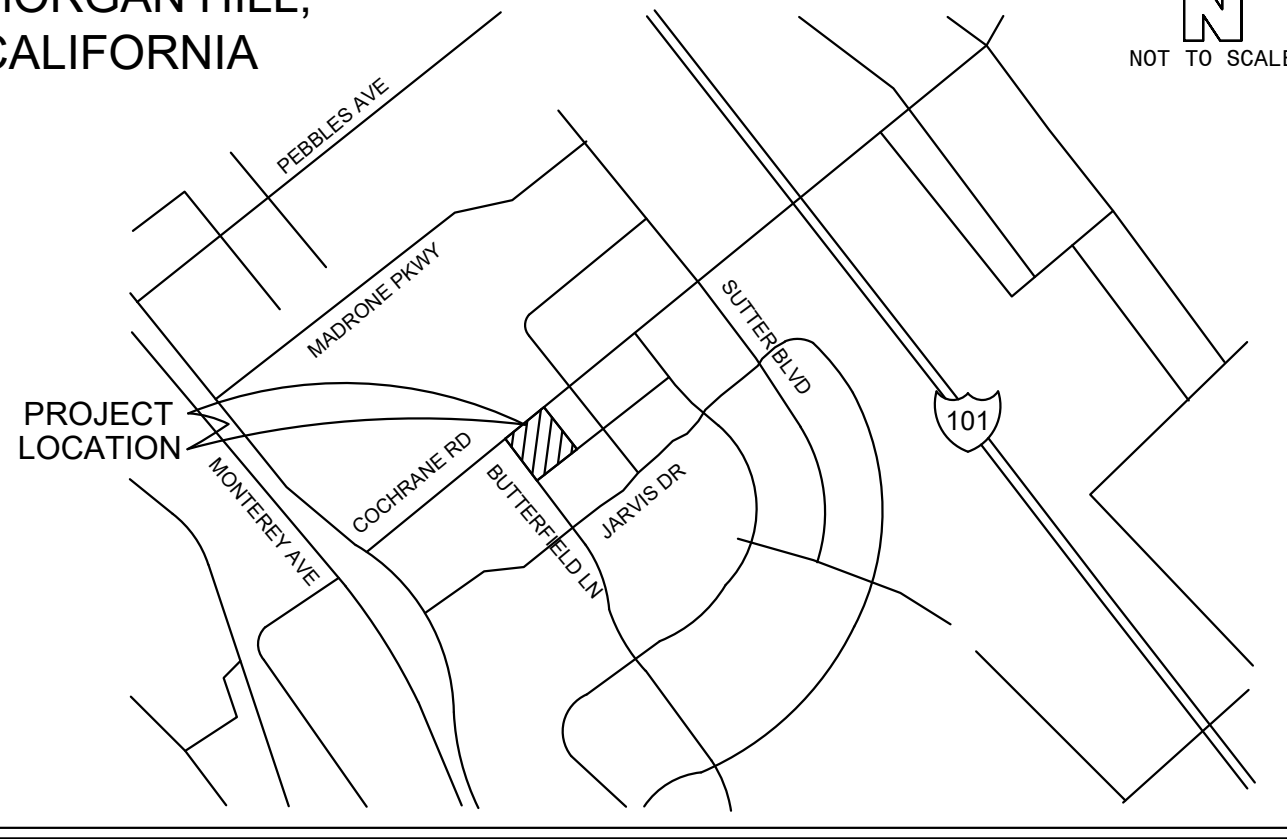
50

* TOTAL DRIVE THRU QUEUE STACKING = 286 LF (INNER LANE) / 308 LF (OUTER LANE)

TITLE REPORT EXCEPTIONS

- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.
FOR: RIGHT OF WAY
- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS SHOWN ON THE MAP FILED ON JULY 3, 2000 IN BOOK 729 OF OFFICIAL RECORDS, AT PAGES 35 AND 36.
FOR: LANDSCAPE AND PUBLIC SERVICE AND PUBLIC UTILITY
- AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.
FOR: PUBLIC UTILITIES, INGRESS AND EGRESS

VICINITY MAP MORGAN HILL, CALIFORNIA



SCALE

1" = 20'
WHEN PRINTED AT FULL SIZE
(24"x36")



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ISSUE	DATE	DESCRIPTION
1	02/06/24	80% SUBMITTAL
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PREPARED UNDER THE DIRECT SUPERVISION OF:
TATTANA BRAUN, R.C.E. No. 93964
DATE: 02/06/24
EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:

QTY ENGINEER
RCE # _____ EXP _____ DATE _____

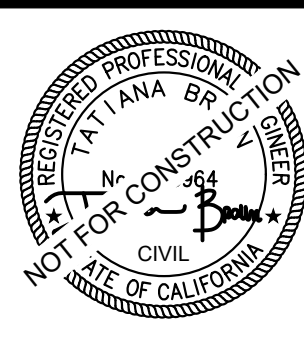


BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL

**PRELIMINARY SITE
PLAN**

C1.0



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(650)-263-4915

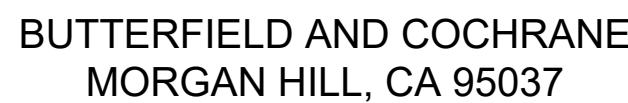
PREPARED UNDER THE DIRECT SUPERVISION OF:

 DATE: 02/06/24

TATIANA BRAUN, R.C.E. NO. 93964 EXP. 09/30/2024

CITY ENGINEER
RCE # _____ EXP _____

DATE _____



C2.0

Legend for symbols used on the plat:

- CENTER LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE / LEASE LINE
- EASEMENT LINE / SETBACK LINE
- APPROXIMATE LIMITS OF DISTURBANCE
- PROPOSED RIDGE LINE
- PROPOSED GRADE BREAK LINE
- PROPOSED SPOT ELEVATION
 - 899.00 TC
 - 898.50 FS
 - (898.75 TC)
 - (898.25 FS)
- EXISTING SPOT ELEVATION
- PROPOSED FLOW LINE
- EXISTING STORM DRAIN LINE
- PROPOSED STORM DRAIN LINE
- EXISTING FLOW DIRECTION

	STANDARD DUTY CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	LANDSCAPE/PLANTER AREA
	HEAVY DUTY ASPHALT PAVEMENT
	DETECTABLE WARNING SYSTEM
	COLORED CONCRETE/ENHANCED PAVING
	BIORETENTION BASIN

- 1 STORM DRAIN PIPE SLOPED AT 0.5% MIN. SIZE PER PLAN
- 2 CONCRETE CURB AND GUTTER
- 3 CONCRETE VALLEY GUTTER
- 4 TRASH ENCLOSURE DRAIN WITH ACCESSIBLE GRATE. DRAIN TO SEWER
- 5 PROPOSED CMU BLOCK WALL
- 6 PROPOSED UNDERGROUND INFILTRATION CHAMBER
- 7 2' CURB CUT
- 8 OVERFLOW RISER
- 9 CONNECT TO EXISTING STORM DRAIN LINE
- 11 PROPOSED MANHOLE
- 12 PARKWAY DRAIN @MIN 0.5%

CUT:	1,144 CY
FILL:	584 CY
NET:	560 CY (EXPORT)

NOTE: THE ABOVE QUANTITIES ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S).

THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING SHRINKAGE, OVER- EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, FOOTINGS, SLABS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC. THE CONTRACTOR SHALL RELY ON THEIR OWN EARTHWORK ESTIMATES FOR BIDDING PURPOSES.

NAVD 88 AS ADJUSTED TO THE SANTA CLARA COUNTY BENCHMARK "HS2754" BEING A BENCHMARK DISC SET IN A CONCRETE WALL, STAMPED "R 19 1919", ELEVATION: 353.29'.

THE BASIS OF BEARINGS FOR THIS SURVEY IS IDENTICAL TO THE CENTERLINE OF COCHRANE ROAD AS SHOWN ON THAT PARCEL MAP RECORDED IN BOOK 729 OF MAPS ON PAGES 35 AND 36, SANTA CLARA COUNTY RECORDS.

8 AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.

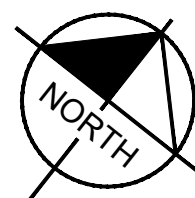
FOR: RIGHT OF WAY

13 AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS SHOWN ON THE MAP FILED ON JULY 3, 2000 IN BOOK 729 OF OFFICIAL RECORDS, AT PAGES 35 AND 36.

FOR: LANDSCAPE AND PUBLIC SERVICE AND PUBLIC UTILITY

16 AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.

FOR: PUBLIC UTILITIES, INGRESS AND EGRESS



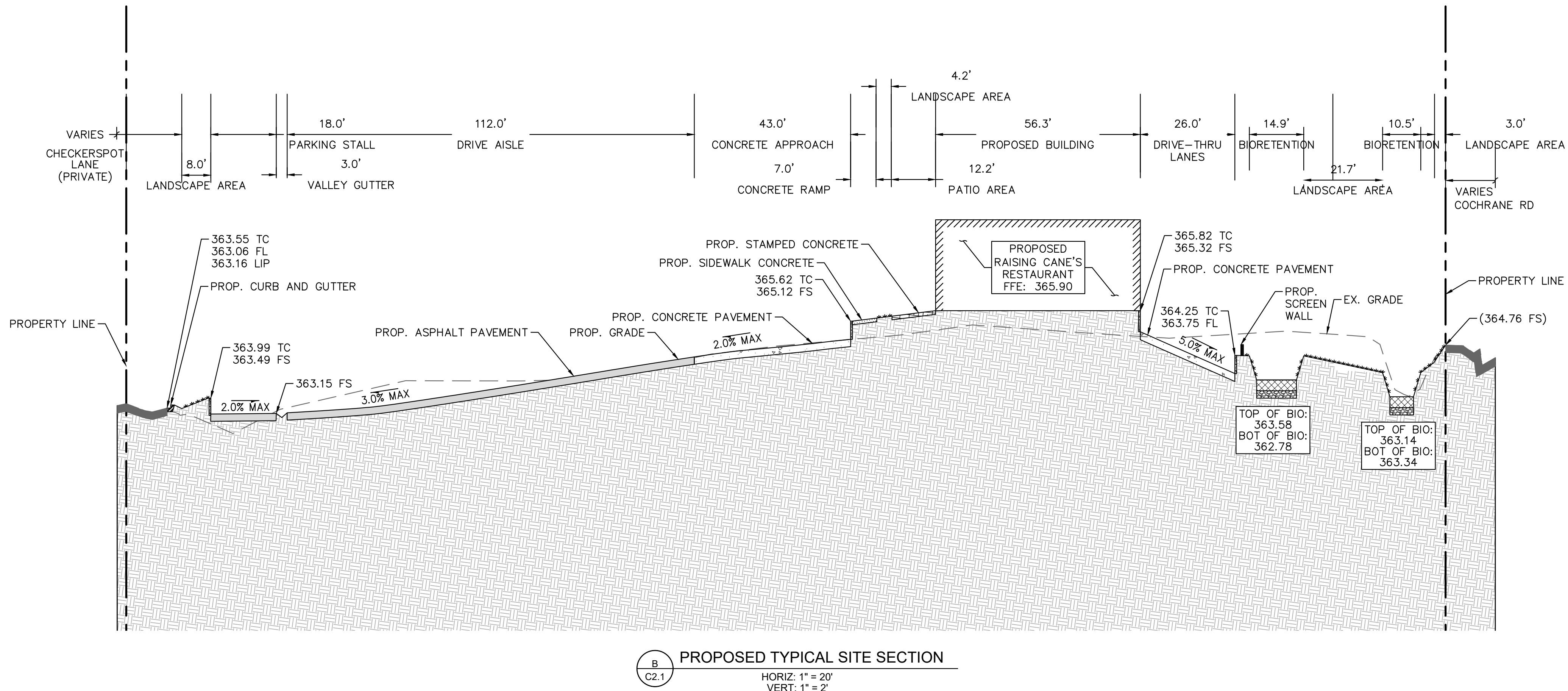
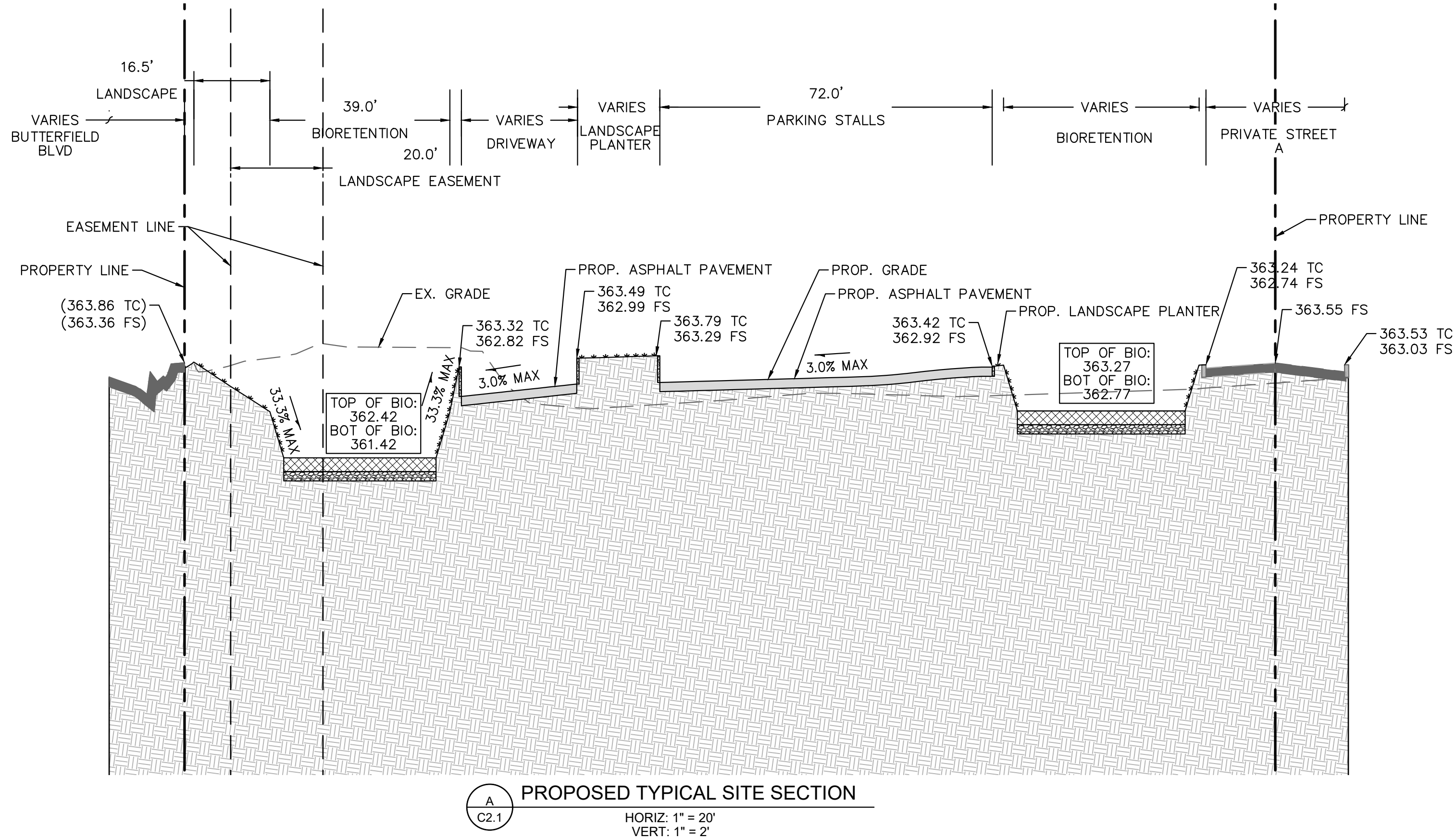
GRAPHIC SCALE IN FEET

A horizontal scale bar with tick marks at 0, 10, 20, and 40 feet. The bar is divided into alternating black and white segments: a white segment from 0 to 10, a black segment from 10 to 20, a white segment from 20 to 30, and a black segment from 30 to 40.

SCALE

1" = 20'
WHEN PRINTED AT FULL SIZE
(24"X36")

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C2.1 - Typical Cross Sections.dwg Mar 15, 2024 12:55pm by: kacile.won
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TATTANA BRAUN, R.C.E. NO. 93964
DATE: 02/06/24
EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:

CITY ENGINEER
RCE # _____ EXP _____ DATE _____



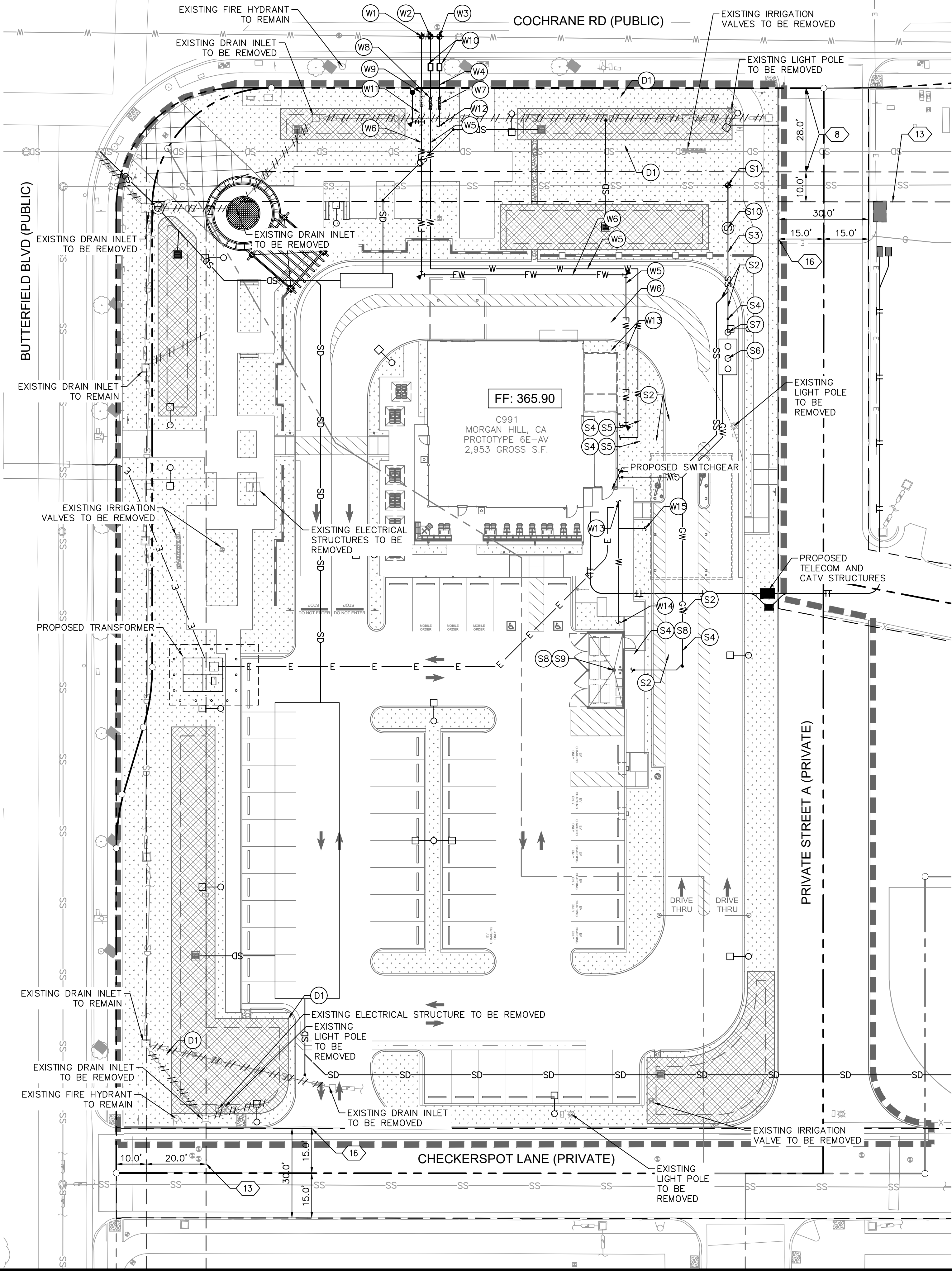
BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL

TYPICAL CROSS
SECTIONS

C2.1

Drawing name: K:\ORA\DEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement_package\C3.0 - Preliminary Utility Plan.dwg C3.0 PRELIMINARY UTILITY PLAN Var 15, 2024 12:56pm by: kcc@kwh.com
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LEGEND

---	CENTER LINE
---	PROPERTY LINE
---	RIGHT OF WAY / LEASE LINE
---	EASEMENT LINE / SETBACK LINE
---	APPROXIMATE LIMIT OF WORK LINE
W	EXISTING WATER LINE
SS	EXISTING SANITARY SEWER LINE
SD	EXISTING STORM DRAIN LINE
W	PROPOSED WATER LINE
FW	PROPOSED FIRE WATER LINE
SS	PROPOSED SANITARY SEWER LINE
GW	PROPOSED GREASE WASTE LINE
SD	PROPOSED STORM DRAIN LINE
///	EXISTING STORM DRAIN LINE TO BE REMOVED/ABANDONED
ooo	GREASE WASTE INTERCEPTOR

WATER NOTES

- (W1) CONNECT TO EXISTING WATER LINE FOR 6" FIRE WATER SERVICE.
- (W2) CONNECT TO EXISTING WATER LINE FOR 2" DOMESTIC SERVICE.
- (W3) CONNECT TO EXISTING WATER LINE FOR 1" IRRIGATION SERVICE.
- (W4) 1" PVC SCH. 80 IRRIGATION WATER LINE.
- (W5) 2" PVC SCH. 80 DOMESTIC WATER LINE.
- (W6) 6" PVC C-900 CLASS 150 FIRE WATER LINE.
- (W7) 1" IRRIGATION BACKFLOW PREVENTER.
- (W8) 2" WATER BACKFLOW PREVENTER.
- (W9) DOUBLE DETECTOR CHECK VALVE ASSEMBLY.
- (W10) WATER METER.
- (W11) FIRE DEPARTMENT CONNECTION.
- (W12) IRRIGATION POINT OF CONNECTION.
- (W13) BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE).
- (W14) 3/4" HOT / COLD WATER TO HOSE BIB IN TRASH ENCLOSURE.
- (W15) 1/2" HOT / COLD WATER TO HOSE BIB IN CANOPY.

SANITARY SEWER NOTES

- (S1) CONNECT TO EXISTING SEWER MANHOLE.
- (S2) 4" SDR-35 PVC SEWER PIPE AT MINIMUM 2% SLOPE.
- (S3) 6" SDR-35 PVC SEWER PIPE AT MINIMUM 2% SLOPE.
- (S4) SEWER CLEAN-OUT.
- (S5) BUILDING POINT OF CONNECTION.
- (S6) JENSEN PRECAST 1500 GAL. GREASE INTERCEPTOR.
- (S7) JENSEN PRECAST SAMPLE BOX.
- (S8) GREASE WASTE LINE POINT OF CONNECTION AT TRASH ENCLOSURE.
- (S9) DRAIN IN TRASH ENCLOSURE. DRAIN TO SEWER.
- (S10) PROPOSED SANITARY SEWER TEST MANHOLE.

STORM DRAIN NOTES

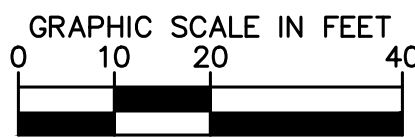
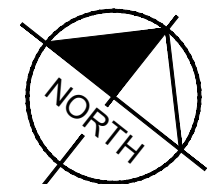
- (D1) REFER TO SHEET C2.0 FOR MORE INFORMATION FOR ON-SITE STORM DRAIN SYSTEM.

GENERAL NOTES

- THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS. A TOPOGRAPHICAL AND UNDERGROUND SURVEY WILL BE REQUIRED TO DETERMINE THE FINAL LOCATION OF ALL EXISTING AND PROPOSED UTILITY ROUTINGS.
- COORDINATION WITH UTILITY PURVEYORS WILL BE REQUIRED TO DETERMINE FINAL LOCATION OF ALL PROPOSED CONNECTIONS TO PUBLIC MAIN LINES.
- ALL DRY AND WET UTILITY CROSSING SHALL HAVE MIN. 12" VERTICAL CLEARANCE.
- EXISTING, UNUSED WATER AND SEWER LATERALS SHALL BE ABANDONED AT THE MAIN PURSUANT TO CITY STANDARDS.

TITLE REPORT EXCEPTIONS

- (8) AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS PROVIDED IN THE FOLLOWING.
FOR: RIGHT OF WAY
- (13) AN EASEMENT AFFECTING THAT PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES AS SHOWN ON THE MAP FILED ON JULY 3, 2000 IN BOOK 729 OF OFFICIAL RECORDS, AT PAGES 35 AND 36.
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SCALE

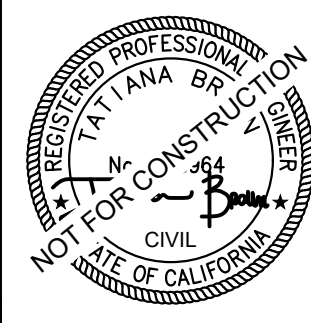
1" = 20'
WHEN PRINTED AT FULL SIZE
(24"x36")



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PREPARED UNDER THE DIRECT SUPERVISION OF:
TATIANA BRAUN, R.C.E. NO. 93964
DATE: 02/06/24
EXP. 09/30/2024

CITY OF MORGAN HILL
APPROVED BY:
CITY ENGINEER
RCE # _____ EXP _____ DATE _____



BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY UTILITY
PLAN**

C3.0

Drawing name: K:\ORA\DEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C4.0 - Preliminary DMA Exhibit.dwg C4.0 Preliminary DMA Exhibit Mar 15, 2024 12:57pm by: kociwron
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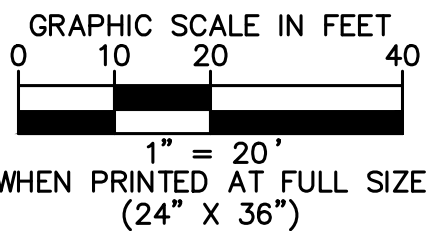
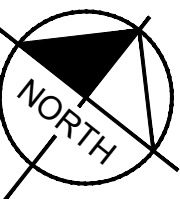


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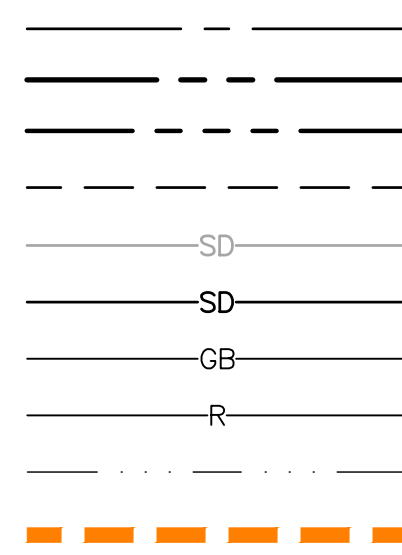
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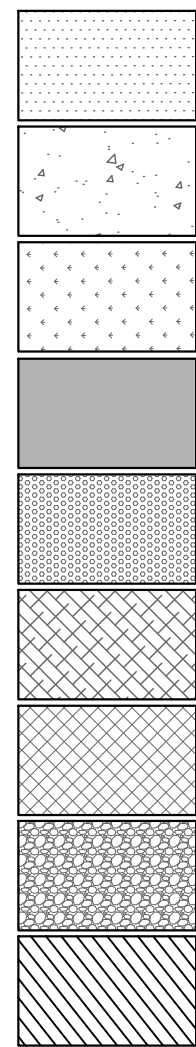
DATE: 02/06/24
EXP. 09/30/2024



LEGEND



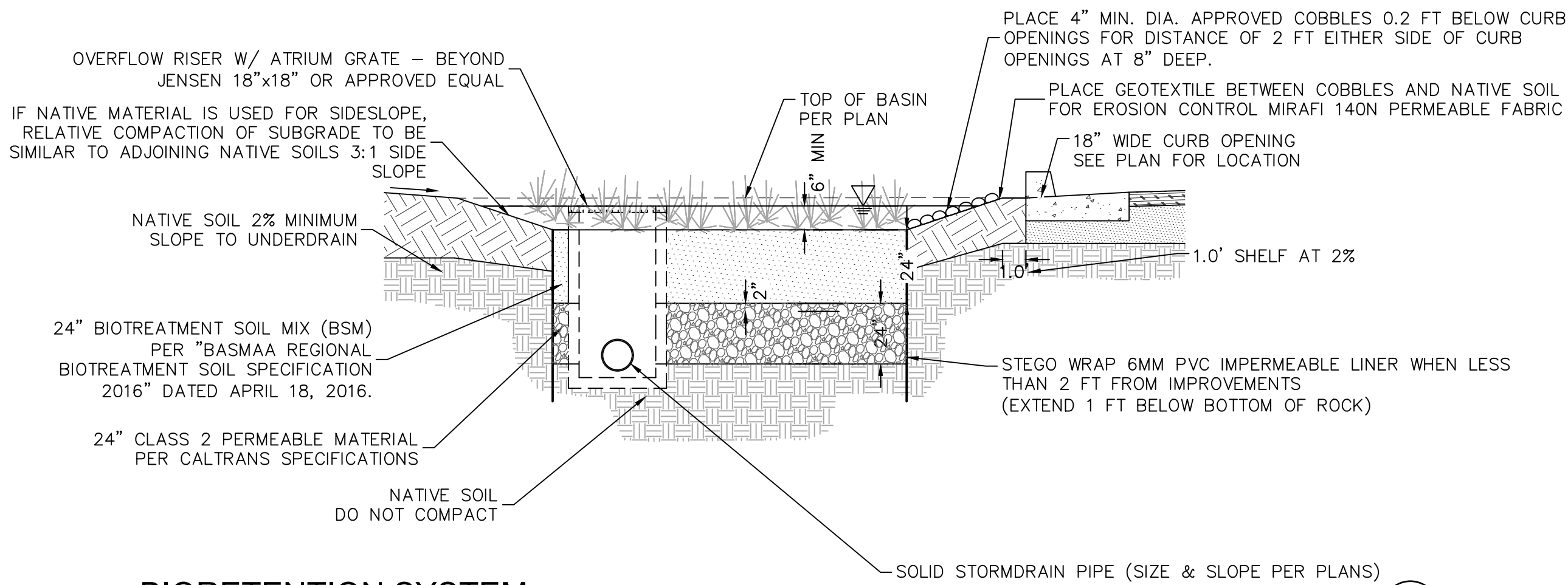
- CENTER LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE / LEASE LINE
- EASEMENT LINE / SETBACK LINE
- EXISTING STORM DRAIN LINE
- PROPOSED STORM DRAIN LINE
- GRADE BREAK LINE
- RIDGE LINE
- FLOW LINE
- DRAINAGE AREA BOUNDARY
- PROPOSED SURFACE FLOW DIRECTION
- PROPOSED STORM DRAIN PIPE FLOW DIRECTION
- EXISTING SURFACE FLOW DIRECTION



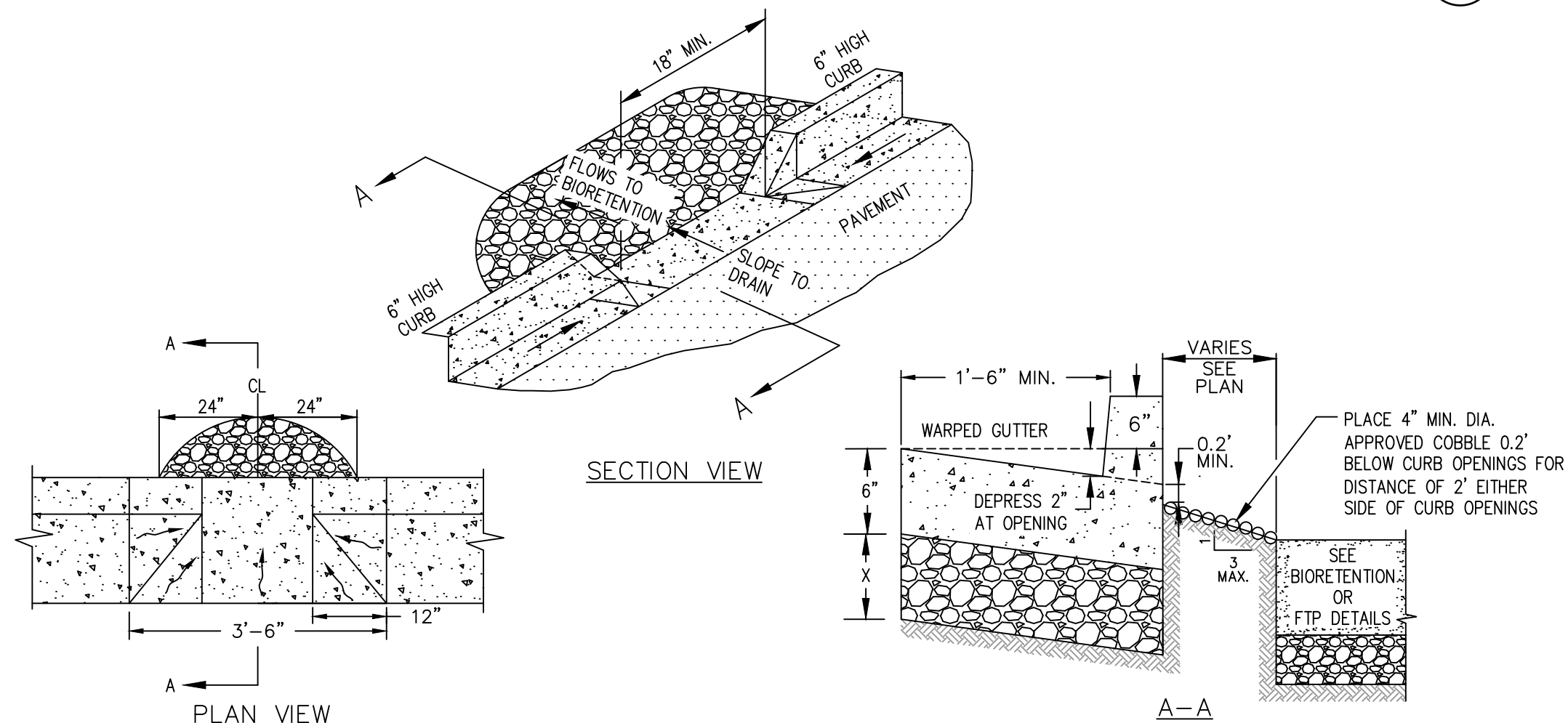
- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- LANDSCAPE/PLANTER AREA
- HEAVY DUTY ASPHALT PAVEMENT
- DETECTABLE WARNING SYSTEM
- COLORLED CONCRETE/ENHANCED PAVING
- BIORETENTION BASIN
- GRAVEL PAD (RIP RAP)
- UNDERGROUND DETENTION SYSTEM

PROPOSED CONDITIONS

DMA #	TOTAL DRAINAGE AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	BMP PROVIDED	FOOTPRINT REQUIRED BY 4% RULE (SF)	FOOTPRINT PROVIDED BY 4% RULE (SF)
1	22,966	16,156	6,810	BIORETENTION	647	1,159
2	4,150	1,584	2,566	BIORETENTION	64	245
3	6,929	4,180	2,749	BIORETENTION	168	401
4	34,962	26,578	8,384	BIORETENTION	1,064	1,668
5	13,536	3,642	4,015	BIORETENTION	146	758
OFF-1	1,611	386	1,225		16	-
OFF-2	564	0	564		0	-



BIORETENTION SYSTEM
N.T.S.



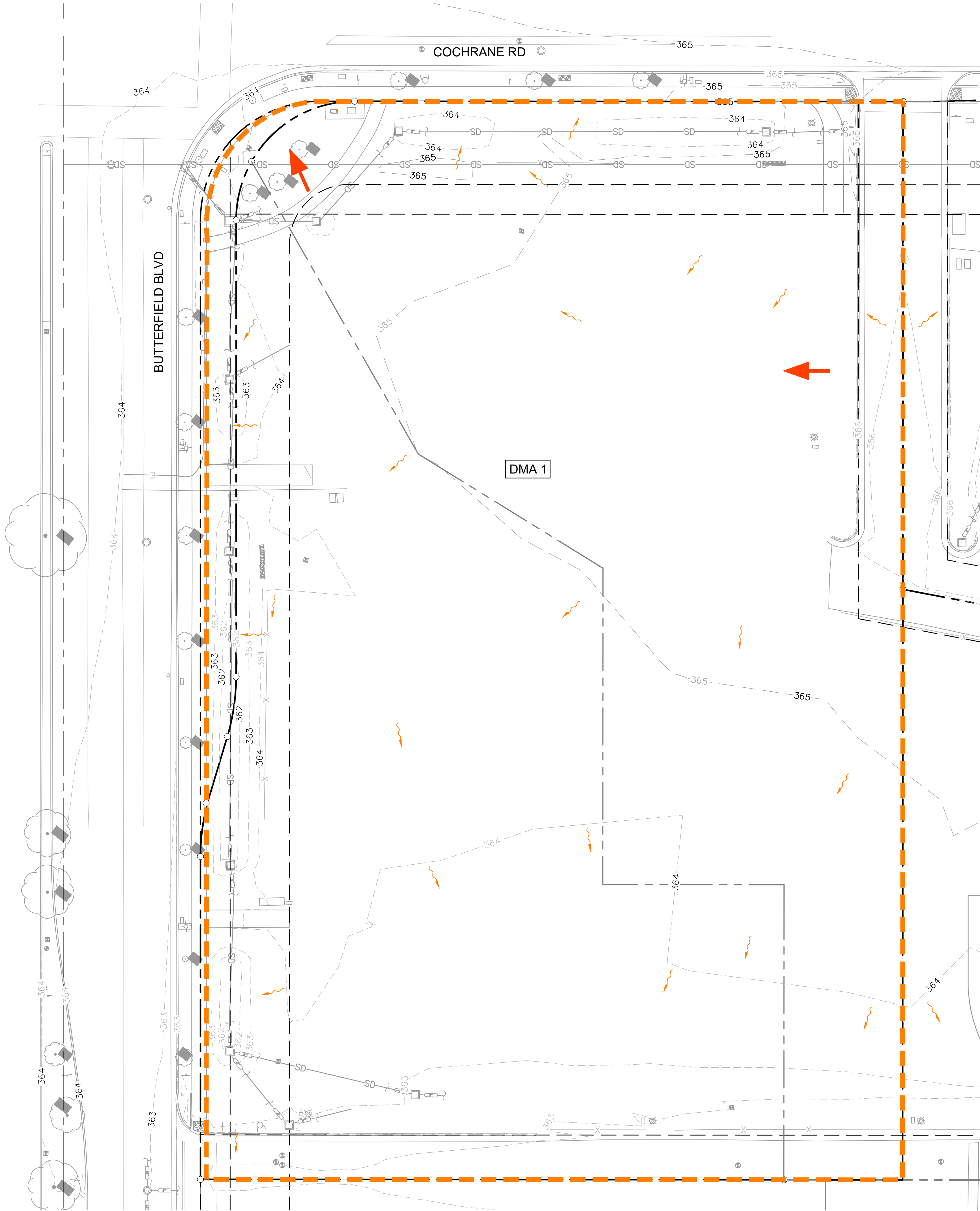
CURB OPENING
N.T.S.



CITY OF MORGAN HILL
PRELIMINARY
STORMWATER CONTROL
PLAN

C4.0

Drawing name: K:\ORA\DEV\raising cane's\197445015 -- morgan hill (cochrane & butterfield) 99\CADD\Exhibits\entitlement_package\C5.0 -- Preliminary Existing DMA Exhibit.dwg Mar 15, 2024 12:58pm by: kacie.won
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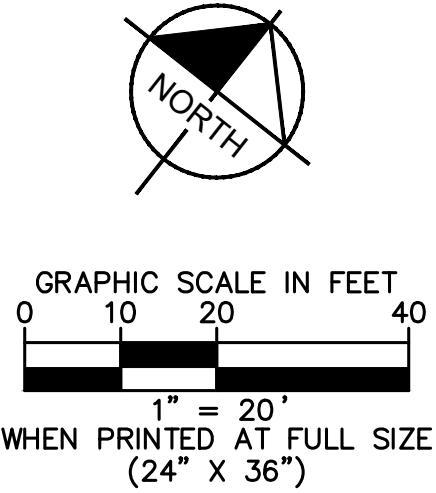


LEGEND

- CENTER LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE / LEASE LINE
- EASEMENT LINE / SETBACK LINE
- EXISTING STORM DRAIN LINE
- DRAINAGE AREA BOUNDARY
- EXISTING SURFACE FLOW DIRECTION
- OVERLAND RELEASE PATH

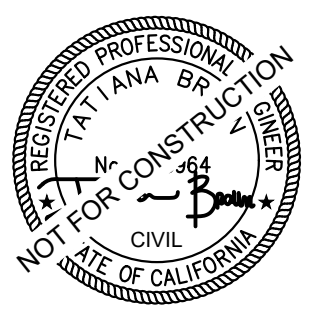
EXISTING CONDITIONS

TOTAL DRAINAGE AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)
75894	0	75894



ISSUE	DATE	DESCRIPTION
	02/06/24	80% SUBMITTAL

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APPROVED BY:		
CITY ENGINEER RCE #	EXP	DATE

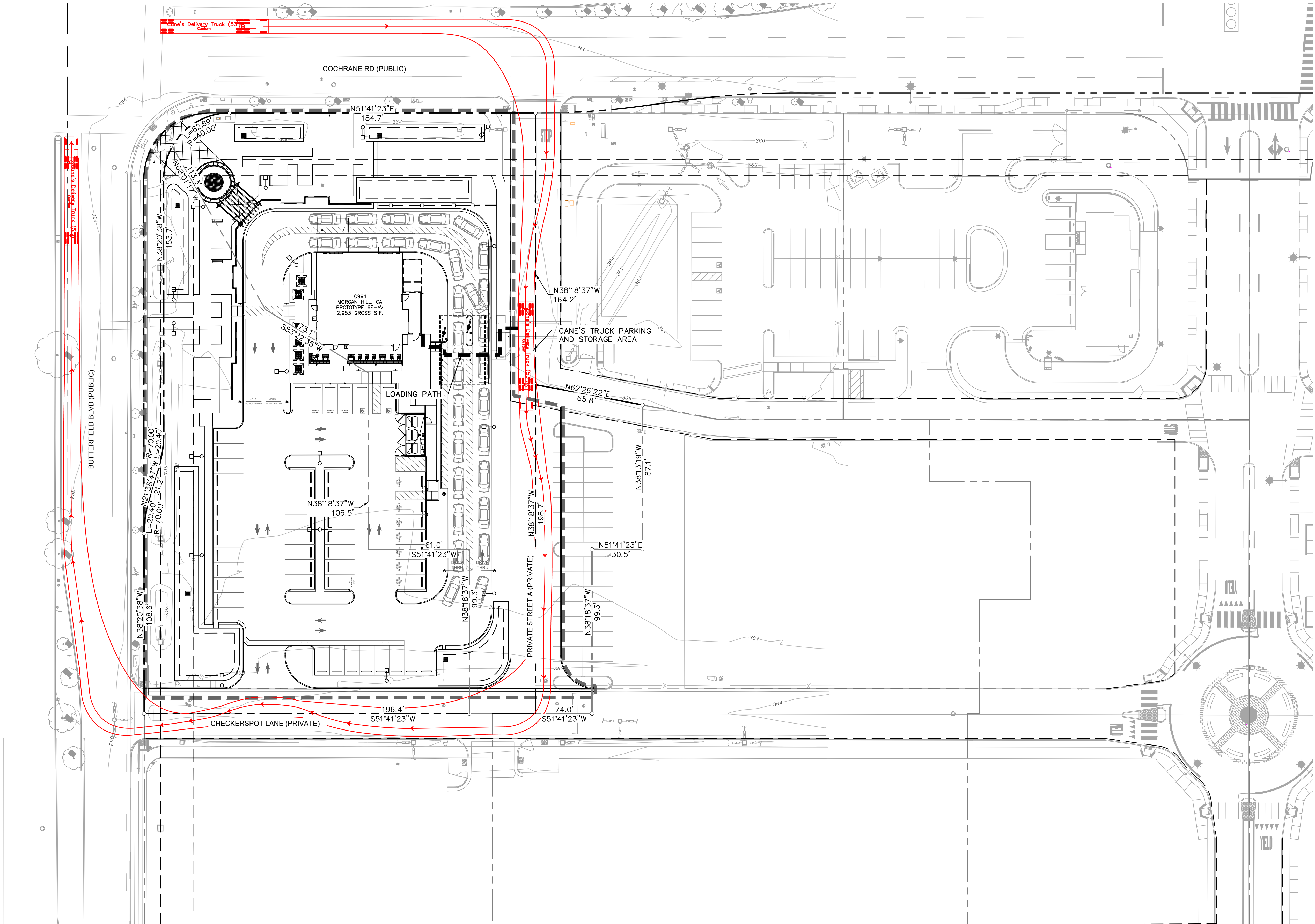
BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL

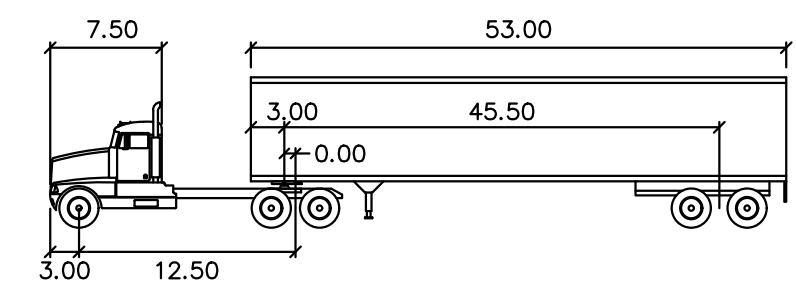
PRELIMINARY DMA
EXHIBIT

C5.0

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C6.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY DELIVERY TRUCK TURN Mar 15, 2024 12:59pm by: kacie.won
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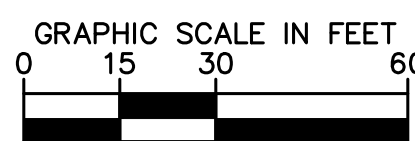
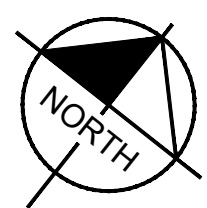


LEGEND	
	PROPERTY LINE
	APPROXIMATE CIVIL LIMIT OF WORK LINE
	EASEMENT OR SETBACK LINE



Cane's Delivery Truck (53')			
	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

CANE'S 53' DELIVERY TRUCK
NOT TO SCALE



SCALE

1" = 30'
WHEN PRINTED AT FULL SIZE
(24"x36")



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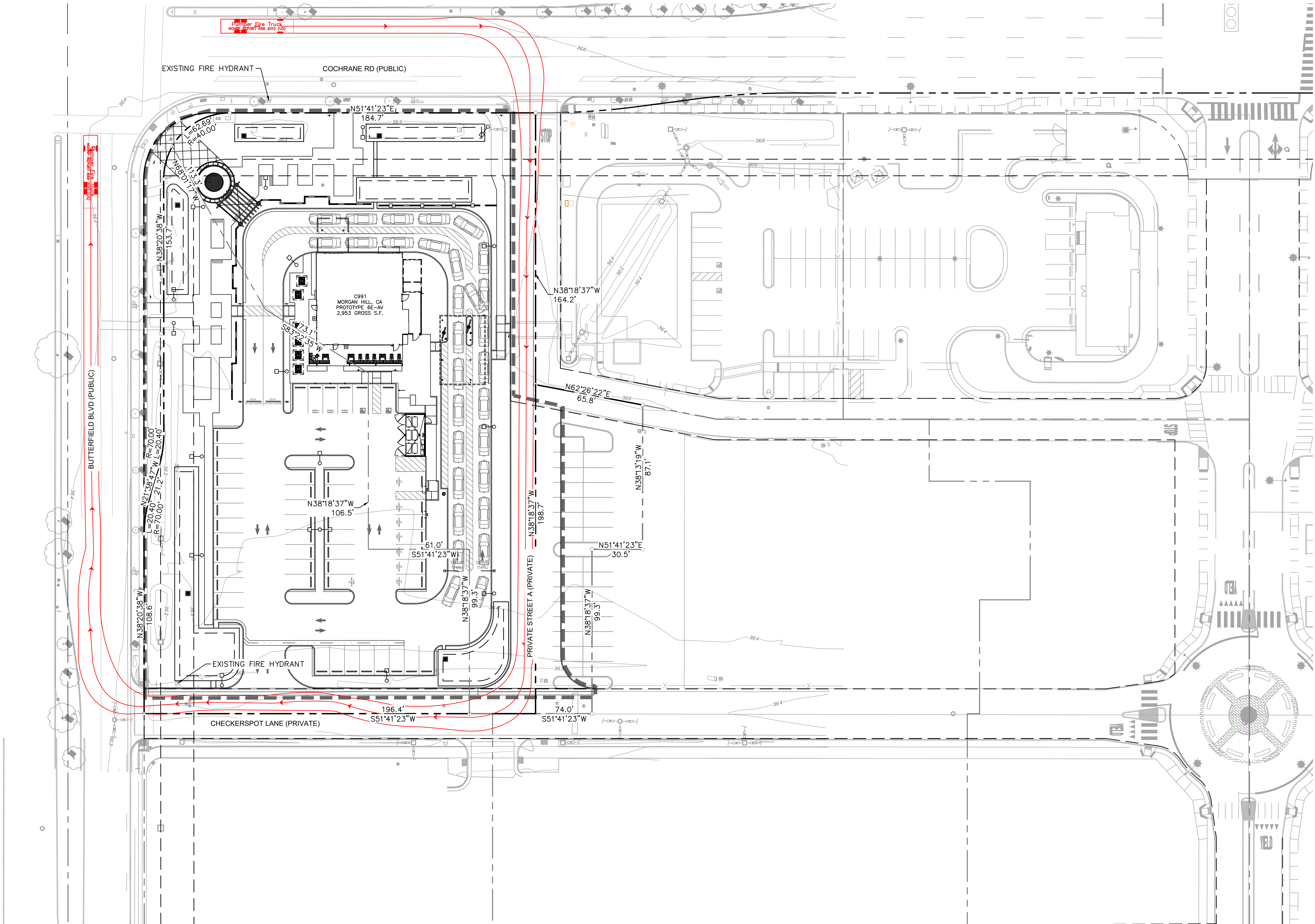
CITY OF MORGAN HILL		
APPROVED BY:		
CITY ENGINEER	EXP	DATE
RCE #		

BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY
DELIVERY TRUCK
TURN EXHIBIT**

C6.0

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\C6.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY FIRE TRUCK TURN OPT 1 Mar 15, 2024 12:59pm by: kacile.won
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LEGEND

- PROPERTY LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE
- EASEMENT OR SETBACK LINE

Pumper Fire Truck

Width : 8.50 feet
Track : 8.50
Lock to Lock Time : 6.0
Steering Angle : 37.8

NCHRP REPORT 659 2010 FIRE TRUCK
NOT TO SCALE

GRAPHIC SCALE IN FEET
0 15 30 60

SCALE
1" = 30'
WHEN PRINTED AT FULL SIZE (24"x36")

811
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APPROVED BY: _____ DATE: _____
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Raising Cane's
BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

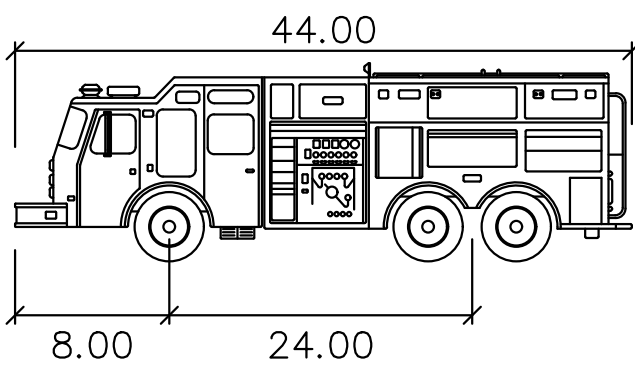
CITY OF MORGAN HILL
PRELIMINARY FIRE TRUCK TURN OPT 1

C6.1

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD (Exhibits\entitlement package\06.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY FIRE TRUCK TURN OPT 2 Mar 15, 2024 12:59pm by: kaciewon
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LEGEND

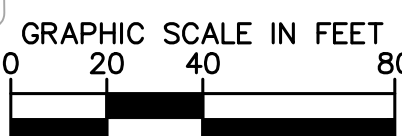
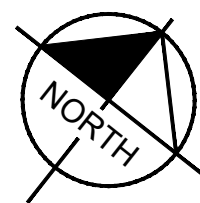
- PROPERTY LINE
APPROXIMATE CIVIL LIMIT OF WORK LINE
EASEMENT OR SETBACK LINE



Pumper Fire Truck

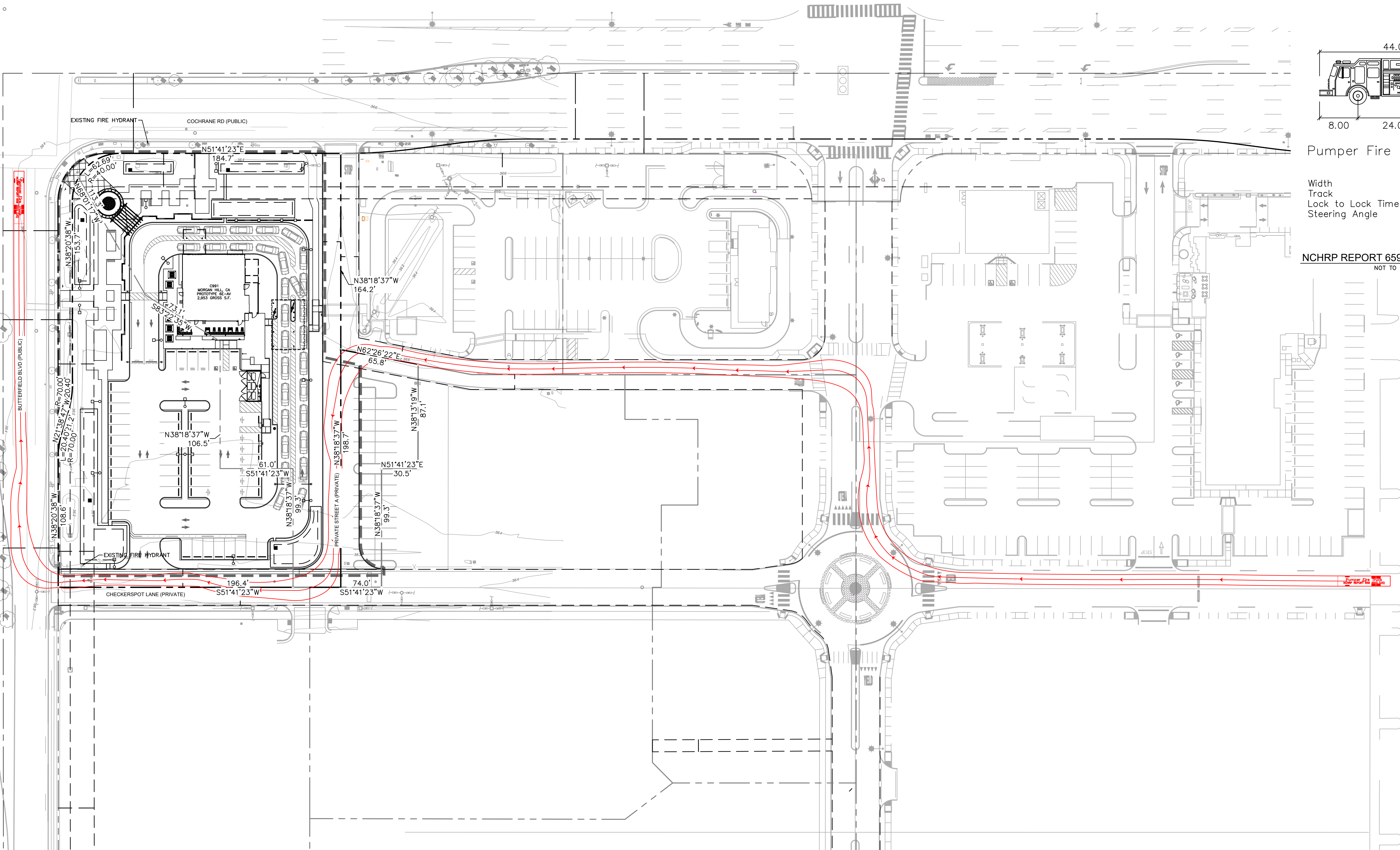
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 37.8

NCHRP REPORT 659 2010 FIRE TRUCK
NOT TO SCALE



SCALE

1" = 40'
WHEN PRINTED AT FULL SIZE
(24"X36")



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APPROVED BY:

CITY ENGINEER
RCE # _____ EXP _____ DATE _____

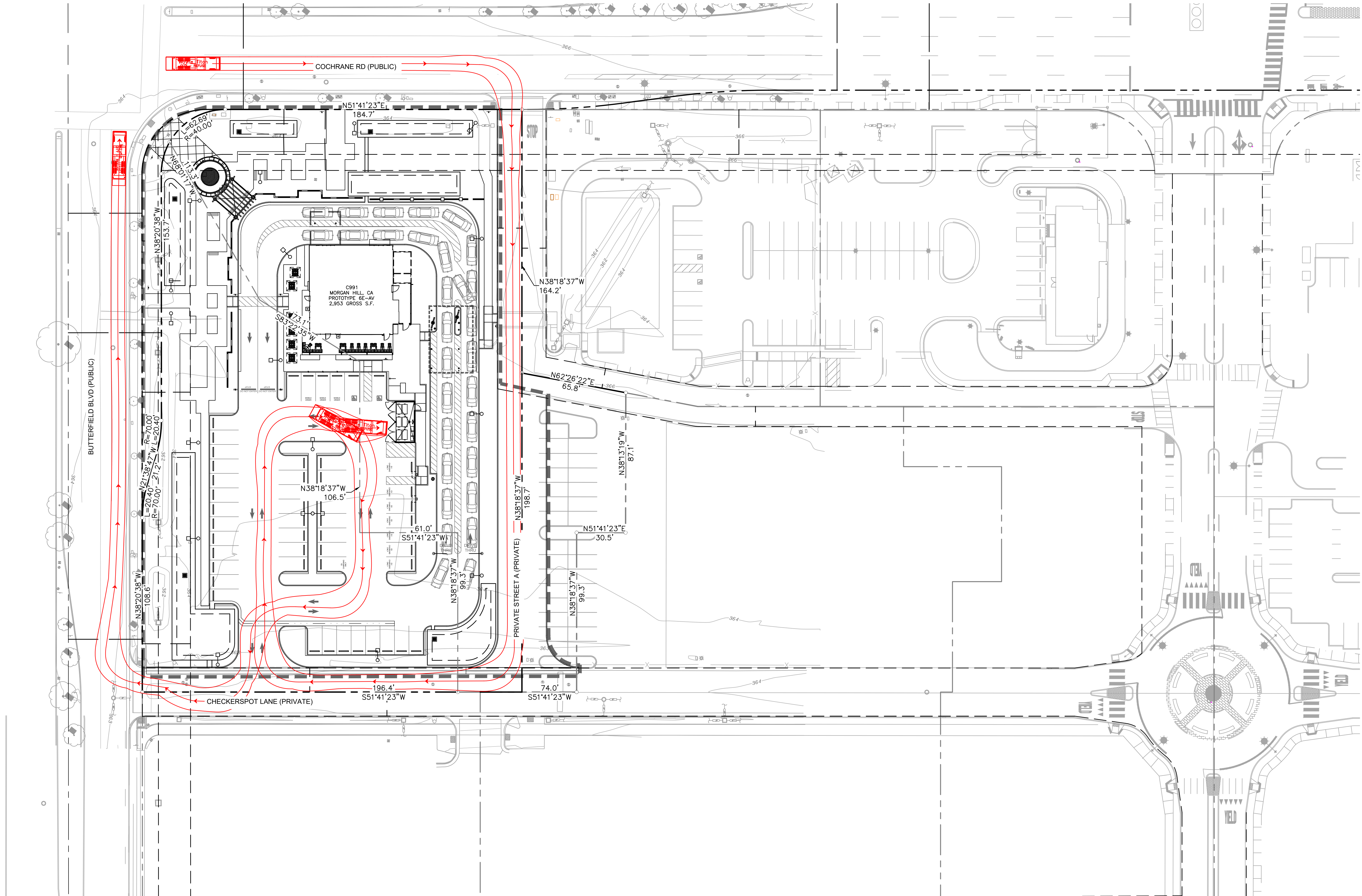


BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

CITY OF MORGAN HILL
**PRELIMINARY FIRE
TRUCK TURN OPT 2**

C6.2

Drawing name: K:\ORA_LDEV\raising cane's\197445015 - morgan hill (cochrane & butterfield) 991\CADD\Exhibits\entitlement package\06.0 - Preliminary Truck Turn Exhibit.dwg PRELIMINARY TRASH TRUCK TURN Mar 15, 2024 12:59pm by: kacie.won
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LEGEND

- PROPERTY LINE
- APPROXIMATE CIVIL LIMIT OF WORK LINE
- EASEMENT OR SETBACK LINE

Wayne Titan

feet

Width : 8.46
Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 45.0

TRASH TRUCK
NOT TO SCALE

GRAPHIC SCALE IN FEET
0 15 30 60

SCALE
1" = 30'
WHEN PRINTED AT FULL SIZE (24"x36")

CITY OF MORGAN HILL

PRELIMINARY TRASH TRUCK TURN

C6.3

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EXP. 09/30/2024

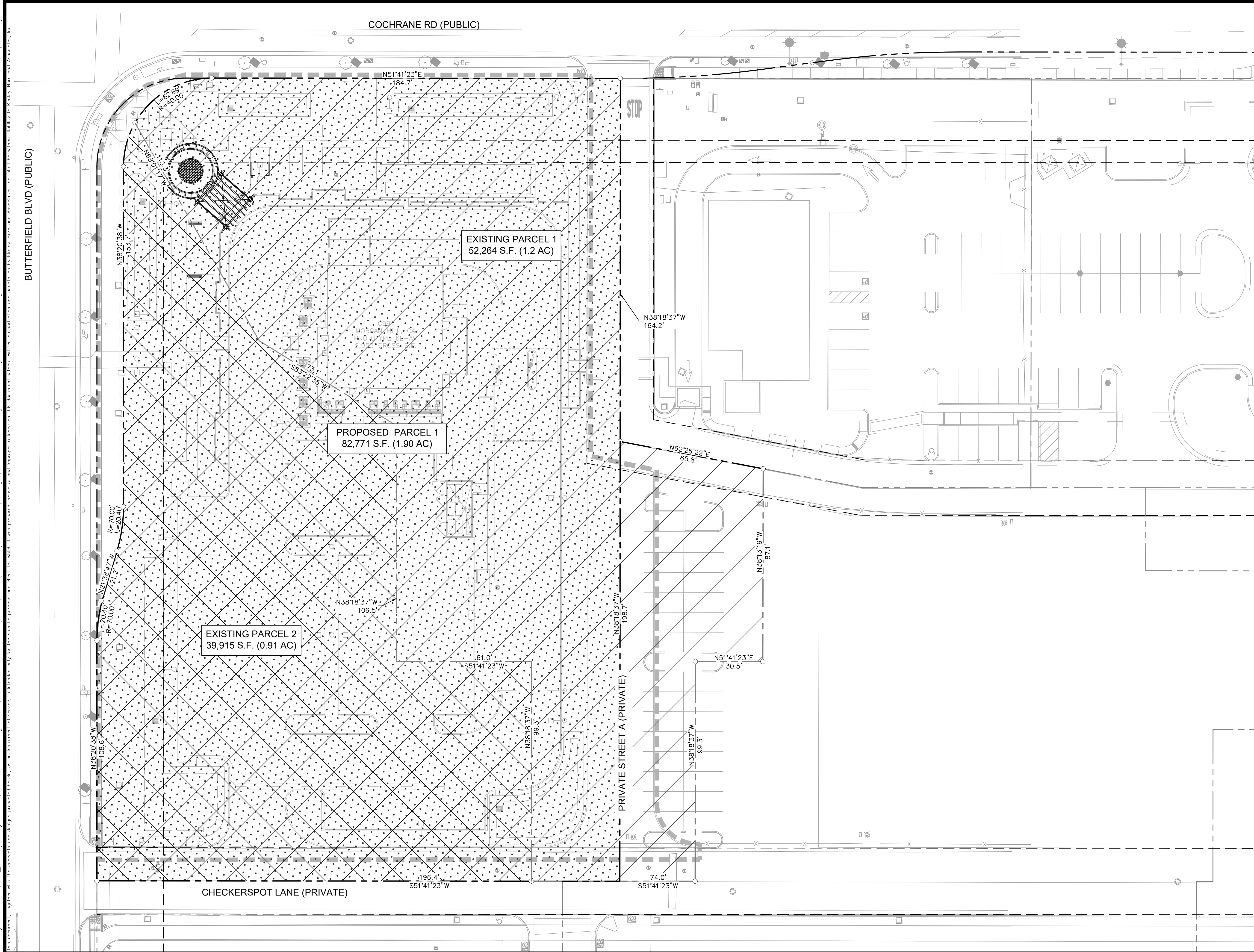
CITY OF MORGAN HILL
APPROVED BY: _____
CITY ENGINEER RCE # _____ EXP _____ DATE _____

BUTTERFIELD AND COCHRANE
MORGAN HILL, CA 95037

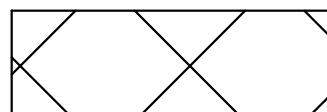
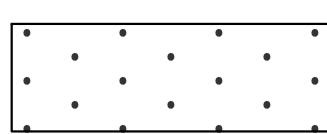
CITY OF MORGAN HILL

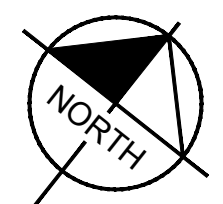
PRELIMINARY TRASH TRUCK TURN

C6.3



LEGEND:

- | | |
|---|---|
|  | CENTER LINE |
|  | EXISTING PARCEL LINE TO BE REMOVED
PER LOT LINE ADJUSTMENT BY OTHERS |
|  | PROPOSED PARCEL LINE, PER LOT LINE
ADJUSTMENT BY OTHERS |
|  | EASEMENT LINE |
|  | APPROXIMATE CIVIL LIMIT OF WORK LINE |
|  | EXISTING PARCEL 1 |
|  | EXISTING PARCEL 2 |
|  | PROPOSED PARCEL 1 |
|  | CURB AND GUTTER |
|  | STRIPING |
|  | WALL |
|  | BUILDING FOOTPRINT |
|  | CONCRETE |



GRAPHIC SCALE IN FEET



A horizontal scale bar with tick marks at 0, 10, 20, and 40 feet. The bar is divided into alternating black and white segments.

[illegible]

Appendix B – Geotechnical Report

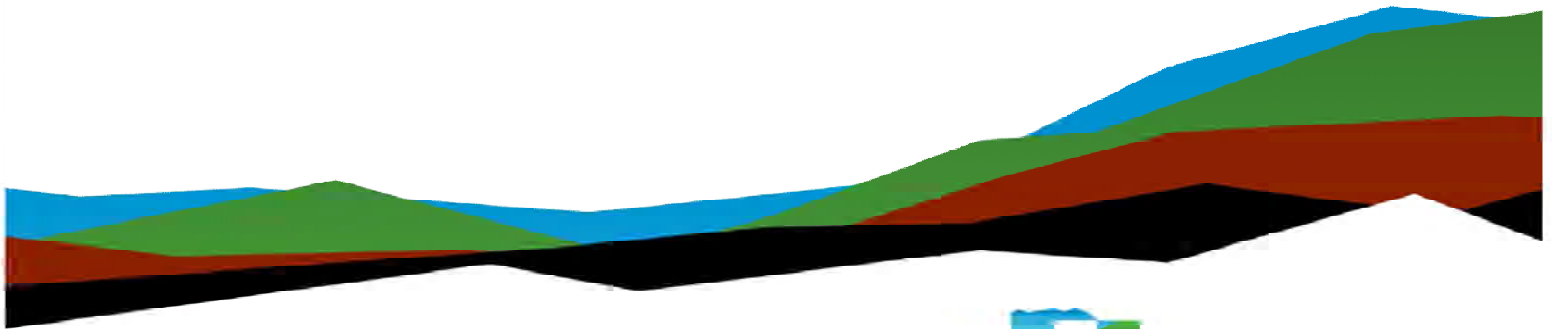
Raising Cane's C991

Geotechnical Engineering Report

January 13, 2022 | Terracon Project No. ND225125

Prepared for:

Raising Cane's Restaurants LLC
6800 Bishop Road
Plano, Texas 75024-4274



Nationwide

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- Environmental
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- Materials



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Concord, CA 94520
P (925) 609-7224
Terracon.com

January 13, 2022

Raising Cane's Restaurants LLC
6800 Bishop Road
Plano, Texas 75024-4274

Attn: Jay Higgins/Kristen Roberts
P: (805) 637-6670
E: jayd@higginsland.com

Re: Geotechnical Engineering Report
Raising Cane's C991
Butterfield Blvd and Cochrane Rd
Morgan Hill, Santa Clara County, CA
Terracon Project No. ND225125

Dear Mr. Higgins:

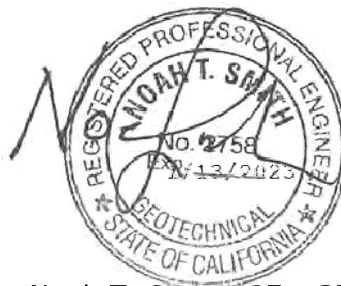
We have completed the scope of Geotechnical Engineering services for the above referenced project in general accordance with Terracon Proposal No. PND225125 dated November 10, 2022. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations, floor slabs, and pavements for the proposed project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,

Terracon

Nicholas Jamison
Field Geologist



Noah T. Smith, PE., GE.
Principal

Table of Contents

Report Summary	2
Introduction.....	2
Project Description.....	3
Site Conditions.....	4
Geotechnical Characterization	5
Groundwater Conditions.....	6
Geologic Hazards.....	6
Faulting and Estimated Ground Motions.....	7
Liquefaction	7
Seismic Considerations.....	8
Percolation/Infiltration	10
Corrosivity	11
Geotechnical Overview	12
Earthwork	12
Site Preparation.....	13
Subgrade Preparation	13
Soil Stabilization.....	14
Fill Material Types.....	15
Fill Placement and Compaction Requirements	17
Utility Trench Backfill	17
Grading and Drainage.....	18
Earthwork Construction Considerations	19
Construction Observation and Testing	20
Shallow Foundations	21
Design Parameters – Compressive Loads	22
Design Parameters – Overturning and Uplift Loads.....	23
Foundation Construction Considerations	23
Floor Slabs	24
Floor Slab Design Parameters	25
Floor Slab Construction Considerations.....	26
Pavements	26
General Pavement Comments	26
Pavement Design Parameters	27
Pavement Section Thicknesses.....	28
Pavement Maintenance	29
General Comments	30

Figures

GeoModel

Attachments

Exploration and Testing Procedures

Site Location and Exploration Plans

Exploration and Laboratory Results

Supporting Information

Note: This report was originally delivered in a web-based format. **Blue Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the  logo will bring you back to this page. For more interactive features, please view your project online at client.terracon.com.

Refer to each individual Attachment for a listing of contents.

Report Summary

Topic ¹	Overview Statement ²
Project Description	The project will consist of the construction of an approximately 2,899 square foot Raising Cane's restaurant building, a drive-thru with a canopy, a menu sign, trash enclosure, hardscape, paved parking and drive, and landscaping. Estimated maximum loads: ■ Column: 40 to 80 kips ■ Walls: 1 to 2 kips per linear foot (klf)
Geotechnical Characterization	Subgrade soil conditions in our borings generally consisted of medium dense to very dense gravels with variable amounts of sand, silt, and clay with interbedded layers of medium dense to dense silty sand and poorly graded sand to the maximum depth explored of 21½ feet below existing grade (bgs). Approximately 2 feet of medium dense clayey sand FILL was encountered at the surface of boring B-01 and practical auger refusal was encountered at a depth of 6½ feet bgs in boring B-03. Free water was encountered in boring B-04 at a depth of 2½ feet bgs at the time of our field exploration.

Topic ¹	Overview Statement ²
Earthwork	Preliminary grading plans were not available for review at the time this report was prepared. We have assumed site grades will generally remain the same as existing at the time this report was prepared and that cuts and fills on the order of 2 feet or less will be required to develop final grades. Grading should be conducted in accordance with the Earthwork section of this report.
Shallow Foundations	Shallow foundations are recommended for the building and drive-thru canopy support. Allowable bearing pressure = 4,000 psf Expected settlements: < 1-inch total, < 1/2-inch differential over 50 feet
Pavements	Pavement sections are provided for both rigid and flexible pavements.
General Comments	This section contains important information about the limitations of this geotechnical engineering report.

1. If the reader is reviewing this report as a pdf, the topics above can be used to access the appropriate section of the report by simply clicking on the topic itself.
2. This summary is for convenience only. It should be used in conjunction with the entire report for design purposes.

Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed Raising Cane's Restaurant, to be located at the corner of Butterfield Blvd and Cochrane Rd in Morgan Hill, Santa Clara County, CA. The purpose of these services was to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Seismic site classification per the 2022 California Building Code (CBC)
- Site preparation and earthwork
- Foundation design and construction
- Floor slab design and construction
- Pavement design and construction
- Stormwater detention considerations

The geotechnical engineering Scope of Services for this project included the advancement of test borings, percolation testing, laboratory testing, engineering analysis, and preparation of this report.

Drawings showing the site and boring locations are presented on the [Site Location](#) and [Exploration Plan](#), respectively. The results of the laboratory testing performed on soil samples obtained from the site during our field exploration are included on the boring logs and/or as separate graphs in the [Exploration Results](#) section.

Project Description

Our initial understanding of the project was provided in our proposal and was discussed during project planning. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

Item	Description
Information Provided	An email request for proposal was provided by Trey Lay (CSRS) on November 3, 2022. The request included a Site Plan; a Context Site Plan; a conceptual plan with existing and proposed utility locations; a Dry Utility Due Diligence Report, prepared by E4 Utility Design, dated September 8, 2022; and a site plan with preferred percolation test locations, prepared by Kimley-Horn.
Project Description	The project will consist of the construction of a Raising Cane's Restaurant with associated vehicle access, parking, and landscaped areas. A drive-thru canopy will also be included in the project. Some type of storm water control system will be included (e.g., bioswales or basins).
Proposed Structure	Structures associated with the project include a 2,899 square foot, single-story restaurant building a 4-car canopy on the northeast side of the building covering a portion of the drive-thru.
Building Construction	The building will be wood-framed with a concrete slab-on-grade floor. We anticipate the canopy will consist of steel frame.
Finished Floor Elevation	Preliminary plans were not available for review at the time this report was prepared. We have assumed the finished floor elevation will be within 2 feet of existing grades.
Maximum Loads	The following loads were used in estimating settlement based on our experience with similar project: ■ Columns: 40 to 80 kips ■ Walls: 1 to 2 kips per linear foot (klf)

Item	Description
Grading	A preliminary grading plan was not available for review at the time this report was prepared. We have assumed cuts and fills on the order of 2 feet or less will be required to develop final grade.
Pavements	We understand both rigid (concrete) and flexible (asphalt) pavement sections will be considered. Anticipated Traffic Indices (Tis) are as follows: ■ Auto Parking Areas: TI = 5.0 ■ Auto Road: TI = 5.5 ■ Truck Parking Areas: TI = 6.0 ■ Truck Ramps and Roads: TI = 8.0 Anticipated Average Daily Truck Traffic (ADTT) for rigid pavements: ■ Car Parking and Access Lanes: ADTT = 1 (Category A) ■ Truck Parking: ADTT = 25 (Category B) ■ Garbage/Fire Truck Lanes & Dumpster Pads: Per Category E The pavements design period is 20 years.
Building Code	2022 California Building Code (CBC)

Terracon should be notified if any of the above information is inconsistent with the planned construction as modifications to our recommendations may be necessary.

Site Conditions

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
Parcel Information	The project is located at the southeast corner of Butterfield Blvd and Cochrane Rd in Morgan Hill, Santa Clara County, CA. Assessor Parcel Numbers (APN): 726-58-001 and 726-58-002 The project area is approximately 1.96 acres Latitude/Longitude (approximate) 37.1475°N, 121.6604°W See Site Location
Existing Improvements	The site has been mass graded in anticipation of retail development.

Item	Description
Current Ground Cover	Earthen with light vegetation
Existing Topography	The site is relatively flat.

Geotechnical Characterization

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting, and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical calculations and evaluation of the site. Conditions observed at each exploration point are indicated on the individual logs. The individual logs can be found in the [Exploration Results](#) and the GeoModel can be found in the [Figures](#) attachment of this report.

As part of our analyses, we identified the following model layers within the subsurface profile. For a more detailed view of the model layer depths at each boring location, refer to the GeoModel.

Model Layer	Layer Name	General Description
1	FILL	Medium dense clayey sand
2	Poorly graded GRAVEL	Medium dense to dense gravel with variable amounts of sand, clay, and silt
3	Silty GRAVEL	Medium dense to very dense gravel with variable amounts of sand, clay, and silt
4	Poorly graded SAND	Medium dense to dense sand with variable amounts of gravel and fines
5	Silty SAND	Dense sand with variable amounts of gravel, clays, and silt

Practical auger refusal was encountered in Boring B-03 at a depth of 6½ feet bgs. Refusal is defined as the depth below the ground surface at which a boring can no longer be advanced with the soil drilling technique being used. Refusal is subjective and is based upon the type of drilling equipment used, the types of augers used, and the effort exerted by the driller. We anticipate refusal was encountered on a layer of very dense gravel.

Groundwater Conditions

The boreholes were observed while drilling and after completion for the presence and level of groundwater. The water levels observed in the boreholes can be found on the boring logs in [Exploration Results](#) and are summarized below.

Boring Number	Approximate Depth to Free water while Drilling/Testing ¹ (feet)	Approximate Depth to Free water immediately after Drilling ¹ (feet)
B-04	2½	2½

1. Below ground surface.

Water was not encountered in the remaining borings at the time of our field exploration. Based on our observations in the other six (6) borings, as well as our experience in the area, we believe the free water encountered in Boring B-04 is water from recent rain events perched above a dense silty sand with gravel layer. The Seismic Hazard Zone Report (096) for the Morgan Hill 7.5-Minute Quadrangle, Santa Clara County, California indicates the historical high groundwater level in the vicinity of the site is about 30 to 40 feet bgs.

Groundwater conditions may change because of seasonal variations in rainfall, runoff, and other conditions not apparent at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

Geologic Hazards

According to published maps¹, the site is underlain by Holocene-age alluvial gravel, sand, and clay soil of valley areas. The subgrade soils encountered in our borings were generally consistent with mapped geology.

¹ Dibblee, T.W., and Minch, J.A. (2005); *Geologic map of the San Jose East quadrangle, Santa Clara County, California*; Dibblee Geologic Foundation; Dibblee Foundation Map DF-155; Scale 1:24,000.

Faulting and Estimated Ground Motions

The site is located in the San Francisco Bay area of California, which is a relatively high seismicity region. The type and magnitude of seismic hazards affecting the site are dependent on the distance to causative faults, the intensity, and the magnitude of the seismic event. The following table indicates the distance of the fault zones and the associated maximum credible earthquake that can be produced by nearby seismic events, as calculated using the USGS Unified Hazard Tool. Segments of the Calaveras fault, which is located approximately 7½ kilometers from the site, are considered to have the most significant effect at the site from a design standpoint.

Fault Name	Approximate Contribution (%)	Approximate Distance to Site (kilometers)	Maximum Credible Earthquake (MCE) Magnitude
UC33brAvg_FM31: Calaveras (Central) [3]	24.6	7.64	7.13
UC33br_FM32: Calaveras (Central) [3]	25.0	7.64	7.13

Based on the ASCE 7-16 Standard, the peak ground acceleration (PGA_M) at the subject site is approximately 0.836g. Based on the USGS 2014 interactive deaggregations, the PGA at the subject site for a 2% probability of exceedance in 50 years (return period of 2475 years) is expected to be about 1.014g. The site is not located within an Alquist-Priolo Earthquake Fault Zone based on our review of the State Fault Hazard Maps.¹

Liquefaction

Liquefaction is a mode of ground failure that results from the generation of high pore water pressures during earthquake ground shaking, causing loss of shear strength. Liquefaction is typically a hazard where loose sandy soils or low plasticity fine grained soils exist below groundwater. The California Geological Survey (CGS) has designated certain areas within California as potential liquefaction hazard zones. These are areas considered at a risk of liquefaction-related ground failure during a seismic event, based

¹ California Geological Survey (CGS), "California Earthquakes Hazards Zone Application (EQ Zapp)", September 23, 2021, <https://maps.conservation.ca.gov/cgs/EQZApp/app/>.

upon mapped surficial deposits and the presence of a relatively shallow water table. The project site and surrounding area is not located within a liquefaction hazard zone designated as having susceptibility to liquefaction. Therefore, a liquefaction analysis was not performed

Seismic Considerations

The 2022 California Building Code (CBC) Seismic Design Parameters have been generated using the SEAOC/OSHPD Seismic Design Maps Tool. This web-based software application calculates seismic design parameters in accordance with ASCE 7, and 2022 CBC. The 2022 CBC requires that a site-specific ground motion study be performed in accordance with Section 11.4.8 of ASCE 7 for Site Class D sites with a mapped S_s value greater than or equal 0.2.

However, Section 11.4.8 of ASCE 7 includes an exception from such analysis for specific structures on Site Class D sites. The commentary for Section 11 of ASCE 7 (Page 534 of Section C11 of ASCE 7) states that "In general, this exception effectively limits the requirements for site-specific hazard analysis to very tall and or flexible structures at Site Class D sites." Based on our understanding of the proposed structures, it is our assumption that the exception in Section 11.4.8 applies to the proposed structure. However, the structural engineer should verify the applicability of this exception.

Based on this exception, the spectral response accelerations presented below were calculated using the site coefficients (F_a and F_v) from Tables 1613.2.3(1) and 1613.2.3(2) presented in Section 16.4.4 of the 2022 CBC.

Description	Value
2022 California Building Code (CBC) Site Classification ¹	D ²
Site Latitude ³	37.1475°
Site Longitude ³	-121.6604°
S _s , Spectral Acceleration for a Short Period ⁴	1.671
S ₁ , Spectral Acceleration for a 1-Second Period ⁴	0.611
F _a , Site Coefficient ⁴	1.2
F _v , Site Coefficient (1-Second Period) ⁴	1.7
S _{DS} , Spectral Acceleration for a Short Period ⁴	1.337
S _{D1} , Spectral Acceleration for a 1-Second Period ⁴	0.692

1. Seismic site soil classification in general accordance with the 2022 *California Building Code*, which refers to ASCE 7. Site Classification is required to determine the Seismic Design Category for a structure.
2. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the CBC. Subsurface explorations at this site were extended to a maximum depth of approximately 21½ feet bgs and standard penetration resistance values were used to determine the Site Classification. The site properties below the maximum exploration depth to 100 feet were estimated based on our experience and knowledge of geologic conditions of the general area. Additional deeper exploration or geophysical testing may be performed to confirm the conditions below the current maximum depth of exploration.
3. Provided coordinates represent a point located at the general center of the site.
4. These Values were obtained using online seismic design maps and tools provided by SEAOC/OSHPD (<https://www.seismicmaps.org/>)

Typically, a site-specific ground motion study may reduce construction costs. We recommend consulting with a structural engineer to evaluate the need for such a study and its potential impact on construction costs. Terracon should be contacted if a site-specific ground motion study is desired.

Percolation/Infiltration

We performed two percolation tests within the proposed site development for use by the project civil engineer in the design of the storm water retention system. The percolation tests were performed using borings B-05 and B-06 drilled to a depth of about 6½ feet bgs. The approximate locations of the test holes are shown on the [Exploration Plan](#).

After drilling the test holes, we placed approximately 2 inches of gravel in the bottom of each hole, then placed a slotted PVC pipe in each hole, and filled the annular space around the pipe with gravel. The test holes were filled with water and left to saturate for a minimum 24 hours. We then filled the shallow holes with water to depths ranging from about 3 feet and measured the drop-in water surface over a period varying from approximately 15 minutes to 1 hour depending on the hole, refilling the holes as necessary to maintain the desired head.

The measured percolation rates and calculated infiltration rates are summarized in the following table.

Perc. Test Location	Depth (ft)	Avg. Head (ft)	Perc. Rate (min/inch)	Perc. Rate (inch/hr)	Infiltration Rate (inch/hr)
B-05	6½	4.40	25.3	2.19	1.84
B-06	6½	6.32	400	0.15	0.13

Since we used test borings to perform percolation testing, we have used the Porchet formula (aka Inverse Borehole Formula) to calculate the test infiltration rate which takes into account sidewall area of the bore hole. Storm water runoff may likely contain materials such as silt, leaves, oil residues, and other matter that may reduce the percolation characteristics of the soil. We therefore recommend that a filtration system be implemented into the design and installed. An appropriate safety factor should be applied to the measured infiltration rates by the designer for use in design and be based on the amount of filtration designed into the system, at a minimum a Safety Factor of 2 shall be utilized. The values above are clear water rates and do not have a safety factor applied. In addition, we recommend a regular maintenance program be implemented to monitor the storm drainage/filtration system prior to the beginning of each wet weather season.

We have provided the following considerations for the design and construction of the retention/detention facilities. Planned retention/detention facilities should be located no closer than 10 feet to structural site improvements.

The long-term infiltration rates will depend on many factors, and can vary or be reduced if the following conditions are present:

- Fill placement,
- Variability of site soils,
- Fine layering of soils, or
- Maintenance and pre-treatment (filtration) of the influent are not performed regularly

Fill Placement: We anticipate earthwork required to develop the site may consist of cuts and fills of 2 feet or less. It is unknown whether final grades will consist of native material or imported fill. As a result, the percolation tests performed may not be representative of the final soil conditions depending on the blend of soils utilized as structural fill and native soils exposed where cuts and fills are made. Additional percolation testing may be warranted following rough grading to confirm the values utilized in design are appropriate.

Subsurface Soil Variation: Variations in subsurface soil conditions can affect the infiltration rate of the receptor soils.

Construction Considerations: The infiltration rate of the receptor soils will be reduced in the event that fine sediment, organic materials, and/or oil residue are allowed to accumulate in the retention facilities. The use of a filtration system is highly recommended as well as a maintenance program.

Operation of heavy equipment during construction may densify the receptor soils below the infiltration facility. The soils exposed in the bottom of the infiltration facility should not be compacted and should remain in their native condition. This may require scarification of the soils prior to construction.

Maintenance of Facilities: Satisfactory long-term performance of an infiltration facility will require some degree of maintenance. Accumulations of sediment, organic materials, or other material that serve to reduce their permeability of the receptor soils should be removed from the filtration system on a regular basis so as not to enter the retention system. The filtration system shall have a rigorous maintenance program, debris from the filtration maintenance should be disposed of at an approved facility in accordance with applicable regulation.

Corrosivity

The following table lists the results of laboratory soluble sulfate, soluble chloride, electrical resistivity, and pH testing. The values may be used to estimate potential corrosive characteristics of the on-site soils with respect to contact with the various underground materials which will be used for project construction.

Corrosivity Test Results Summary

Boring	Sample Depth (feet)	Soil Description	Soluble Sulfate (%)	Soluble Chloride (%)	Electrical Resistivity (Ω -cm)	pH
B-02	1.0-2.5	GM-Silty Gravel	0.01	0.0047	5,820	7.34

Results of soluble sulfate testing can be classified in accordance with ACI 318 – Building Code Requirements for Structural Concrete. Numerous sources are available to characterize corrosion potential to buried metals using the parameters above.

ANSI/AWWA is commonly used for ductile iron, while threshold values for evaluating the effect on steel can be specific to the buried feature (e.g., piling, culverts, welded wire reinforcement, etc.) or agency for which the work is performed. Imported fill materials may have significantly different properties than the site materials noted above and should be evaluated if expected to be in contact with metals used for construction. Consultation with a NACE certified corrosion professional is recommended for buried metals on the site.

Mapping by the NRCS includes qualitative severity of corrosion to concrete and steel. Based on this source, the near-surface materials are rated “Moderate” for corrosion to concrete and “Low” for corrosion of steel.

Geotechnical Overview

The site appears suitable for the proposed construction based upon geotechnical conditions encountered in the test borings, provided that the recommendations provided in this report are implemented in the design and construction phases of this project.

Earthwork

We anticipate grading for this project will consist of cuts and fills on the order of 2 feet or less to develop final grades. If greater cuts and fills are required, Terracon should be contacted to determine if additional earthwork recommendations are warranted.

Earthwork is anticipated to include clearing and grubbing, excavations, and engineered fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria, as necessary, to render the site in the state considered in our geotechnical engineering evaluation for foundations, floor slabs, and pavements.

Site Preparation

Prior to placing fill, existing vegetation and root mat should be removed. Complete stripping of the topsoil should be performed in the proposed building and parking/driveway areas. Any existing debris or other deleterious materials should also be removed. Stripping and removals should extend laterally a minimum of 5 feet beyond the limits of proposed improvements. All material derived from the removal of deleterious material should be removed from the site and should not be allowed for use as on-site fill.

Although no evidence of underground facilities (such as septic tanks, cesspools, basements, or utilities) was observed during the exploration and site reconnaissance, such features could be encountered during construction. If unexpected fills or underground facilities are encountered, such features should be removed, and the excavation thoroughly cleaned prior to backfill placement and/or construction.

Subgrade Preparation

After clearing, any required cuts and over-excavation should be made. Terracon should be present to observe the subgrade conditions during any over-excavation. The presence of over-sized debris or a high volume of organic material may warrant additional over-excavation at the time of grading operations.

Approximately 2 feet of pre-existing clayey sand fill was encountered at the surface of Boring B-01. Specific excavation, backfill, and site grading details for the fill are not known. The thickness of fill across the site may vary, and the thicknesses of fill encountered in our boring should not be construed as a minimum or maximum. Additional fill may be present in areas where borings were not performed. No compaction records were located or made available for review for the fill. As a result, we have considered the fill to uncontrolled. Such uncontrolled fill can result in excessive erratic and differential settlements causing damage to proposed structures supported on shallow foundations, hardscapes, and pavements relying on the fill for structural support. Subsequently, pre-existing surficial uncontrolled fills across the site are not suitable for the support of shallow spread footing foundations and floor slabs, which would be subject to unacceptable amounts of settlement. As a result, we recommend the pre-existing fill be overexcavated during grading, and placed and compacted as engineered fill per the recommendations provide in the **Fill Placement and Compaction Requirements** section of this report. A representative from Terracon should be present during grading to verify all fill has been overexcavated down to firm native soil.

Once any required cuts and over-excavation operations are complete, the resulting subgrade should be proofrolled with an adequately loaded vehicle such as a fully loaded tandem axle dump truck. The proof-rolling should be performed under the observation of

the Geotechnical Engineer or their representative. Areas excessively deflecting under the proof-roll should be delineated and subsequently addressed by the Geotechnical Engineer. Such areas should either be removed or modified by stabilizing as noted in the **Soil Stabilization** section. Excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

Exposed surfaces should be free of mounds and depressions which could prevent uniform compaction. The site should be initially graded to create a relatively level surface to receive fill and provide for a relatively uniform thickness of fill beneath the proposed building if required.

Excavated material may be stockpiled for use as fill provided it is cleaned of organic material, debris, and any other deleterious material and meets the criteria for general or structural fill specified in the **Fill Material Types** section of this report.

Once proof rolling has been performed, all exposed areas which will receive fill, once properly cleared where necessary, should be scarified to a depth of 12 inches, moisture conditioned as necessary, and compacted per the compaction requirement in this report. A representative from Terracon should be present to observe the exposed subgrade and confirm the depth of scarification and moisture conditioning required.

Following scarification, moisture conditioning, and compaction of the subgrade soils, compacted fill soils should then be placed to the proposed design grade and the moisture content and compaction of subgrade soils should be maintained until foundation, slab, and pavement construction.

Based upon the subsurface conditions determined from the geotechnical exploration, subgrade soils exposed during construction are anticipated to be relatively workable; however, the workability of the subgrade may be affected by precipitation, repetitive construction traffic or other factors. If unworkable conditions develop, workability may be improved by scarifying and drying.

Soil Stabilization

Methods of subgrade improvement, as described below, could include scarification, moisture conditioning and recompaction, removal of unstable materials and replacement with granular fill (with or without geosynthetics), and chemical stabilization. The appropriate method of improvement, if required, would be dependent on factors such as schedule, weather, the size of area to be stabilized, and the nature of the instability. More detailed recommendations can be provided during construction as the need for subgrade stabilization occurs. Performing site grading operations during warm seasons and dry periods would help reduce the amount of subgrade stabilization required.

If the exposed subgrade is unstable during proofrolling operations, it could be stabilized using one of the methods outlined below.

- **Scarification and Recompaction** - It may be feasible to scarify, dry, and recompact the exposed soils. The success of this procedure would depend primarily upon favorable weather and sufficient time to dry the soils. Stable subgrades likely would not be achievable if the thickness of the unstable soil is greater than about 1 foot or if construction is performed during a period of wet or cool weather when drying is difficult.
- **Aggregate Base** - The use of Caltrans Class II aggregate base is a common procedure to improve subgrade stability. Typical undercut depths would be expected to range from about 6 to 18 inches below finished subgrade elevation. The use of high modulus geosynthetics (i.e., engineering fabric or geogrid) could also be considered after underground work such as utility construction is completed. Prior to placing the fabric or geogrid, we recommend that all below grade construction, such as utility line installation, be completed to avoid damaging the fabric or geogrid. Equipment should not be operated above the fabric or geogrid until one full lift of aggregate base is placed above it. The maximum particle size of granular material placed over geotextile fabric or geogrid should meet the manufacturer's specifications.
- **Chemical Stabilization** - Improvement of subgrades with Portland cement could be considered for improving unstable soils. Chemical stabilization should be performed by a pre-qualified contractor having experience with successfully stabilizing subgrades in the project area on similar sized projects with similar soil conditions. The hazards of chemicals blowing across the site or onto adjacent property should also be considered. Additional testing would be needed to develop specific recommendations to improve subgrade stability by blending chemicals with the site soils. Additional testing could include, but not be limited to, determining the most suitable stabilizing agent, the optimum amounts required, and the presence of sulfates in the soil. If this method is chosen to stabilize subgrade soils the actual amount of Portland cement to be used should be determined by Terracon and by laboratory testing at least three weeks prior to the start of grading operations.

Further evaluation of the need and recommendations for subgrade stabilization can be provided during construction as the geotechnical conditions are exposed.

Fill Material Types

Fill required to achieve design grade should be classified as structural fill and general fill. Structural fill is material used below, or within 5 feet of structures, pavements or constructed slopes. General fill is material used to achieve grade outside of these areas.

Reuse of On-Site Soil: Excavated on-site soil may be selectively reused as general or structural fill. Material property requirements for on-site soil for use as general fill and structural fill are noted in the following table:

Property	General Fill	Structural Fill
Composition	Free of deleterious material	Free of deleterious material
Maximum particle size	6 inches (or 2/3 of the lift thickness)	3 inches
Fines content	Not limited	Less than 25% Passing No. 200 sieve
Plasticity	Not limited	Maximum plasticity index of 10
GeoModel Layer Expected to be Suitable ¹	2, 3, 4, 5	2, 3, 4, 5

1. Based on subsurface exploration. Actual material suitability should be determined in the field at time of construction.

Imported Fill Materials: Imported fill materials should meet the following material property requirements. Regardless of its source, compacted fill should consist of approved materials that are free of organic matter and debris. For all import material, the contractor shall submit current verified reports from a recognized analytical laboratory indicating that the import has a "not applicable" (Class S0) potential for sulfate attack based upon current ACI criteria and is "mildly corrosive" to ferrous metal and copper. The reports shall be accompanied by a written statement from the contractor that the laboratory test results are representative of all import material that will be brought to the project.

Soil Type ¹	USCS Classification	Acceptable Parameters (for Structural Fill)
Low Plasticity	CL, SC	Liquid Limit less than 30 Plasticity index less than 10
Granular ²	GW, GM, SW, SM	Less than 40% passing No. 200 sieve

1. Structural and general fill should consist of approved materials free of organic matter and debris and should contain no material larger than 3 inches in greatest dimension. A sample of each material type should be submitted to the Geotechnical Engineer for evaluation at least two weeks prior to use on this site.
2. Caltrans Class II aggregate base may be used for this material. Recycled aggregate base should not be used without prior approval by the Geotechnical Engineer.

Fill Placement and Compaction Requirements

Compacted native soil and structural and general fill should meet the following compaction requirements.

Item	Structural Fill	General Fill
Maximum Lift Thickness	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used 4 to 6 inches in loose thickness when hand-guided equipment (i.e., jumping jack or plate compactor) is used	Same as structural fill
Minimum Compaction Requirements ^{1,2}	95% of max: Upper 12 inches of subgrade in pavement areas, for aggregate base, and below slabs and foundations. 90% of max: All other locations	90% of max.
Water Content Range ¹	Low plasticity cohesive: +1% to +3% above optimum Granular: -2% to +2% of optimum	As required to achieve min. compaction requirements

1. Maximum density and optimum water content as determined by the Modified Proctor test (ASTM D 1557).
2. If the granular material is a coarse sand or gravel, or of a uniform size, or has a low fines content, compaction comparison to relative density may be more appropriate. In this case, granular materials should be compacted to at least 70% relative density (ASTM D 4253 and D 4254). Materials not amenable to density testing should be placed and compacted to a stable condition observed full time by the Geotechnical Engineer or representative.

Utility Trench Backfill

Any soft or unsuitable materials encountered at the bottom of utility trench excavations should be removed and replaced with structural fill or bedding material in accordance with public works specifications for the utility to be supported. This recommendation is particularly applicable to utility work requiring grade control and/or in areas where subsequent grade raising could cause settlement in the subgrade supporting the utility. Trench excavation should not be conducted below a downward 1:1 projection from existing foundations without engineering review of shoring requirements and geotechnical observation during construction.

On-site materials are considered suitable for backfill of utility and pipe trenches from 1 foot above the top of the pipe to the final ground surface, provided the material is free of organic matter and deleterious substances.

Trench backfill should be mechanically placed and compacted as discussed earlier in this report. Compaction of initial lifts should be accomplished with hand-operated tampers or other lightweight compactors. Where trenches are placed beneath slabs or footings, the backfill should satisfy the specification for structural fill discussed in this report. Flooding or jetting for placement and compaction of backfill is not recommended.

All trench excavations should be made with sufficient working space to permit construction including backfill placement and compaction. If utility trenches are backfilled with relatively clean granular material, they should be capped with at least 18 inches of cementitious flowable fill or cohesive fill in non-pavement areas to reduce the infiltration and conveyance of surface water through the trench backfill. Attempts should also be made to limit the amount of fines migration into the clean granular material. Fines migration into clean granular fill may result in unanticipated localized settlements over a period of time. To help limit the amount of fines migration, Terracon recommends the use of a geotextile fabric that is designed to prevent fines migration in areas of contact between clean granular material and fine-grained soils. Terracon also recommends that clean granular fill be tracked or tamped in place where possible in order to limit the amount of future densification which may cause localized settlements over time.

Grading and Drainage

All grades must provide effective drainage away from the building during and after construction and should be maintained throughout the life of the structure. Water retained next to the building can result in soil movements greater than those discussed in this report. Greater movements can result in unacceptable differential floor slab and/or foundation movements, cracked slabs and walls, and roof leaks. The roof should have gutters/drains with downspouts that discharge onto splash blocks at a distance of at least 10 feet from the building, onto pavements, or are tied to tight lines that discharge into a storm drainage system.

Exposed ground should be sloped and maintained at a minimum 5 percent away from the building for at least 10 feet beyond the perimeter of the building. If a minimum 5 percent slope cannot be achieved due to site grades, a minimum 2½ percent slope could be used provided pavement or hardscape surrounds and extends to the building, or a subdrain could be installed around the perimeter of the foundations that carries water away from the building. Locally, flatter grades may be necessary to transition ADA access requirements for flatwork. After building construction and landscaping, final grades should be verified to document effective drainage has been achieved. Grades around the structure should also be periodically inspected and adjusted as necessary as

part of the structure's maintenance program. Where paving or flatwork abuts the structure a maintenance program should be established to effectively seal and maintain joints and prevent surface water infiltration.

Any planters and/or bio-swales located within 10 feet of the building should be self-contained or lined with an impermeable membrane to prevent water from accessing subgrade soils below the building. Sprinkler mains and spray heads should be located a minimum of 5 feet away from the foundation lines.

No vegetation over six feet in height shall be planted within 20 feet of the building perimeter unless a root barrier is provided between the structure and tree to limit roots within 10 feet of building. Roots can draw additional moisture from the soils and cause excessive volume changes in the soil resulting in building movement.

Implementation of adequate drainage for this project can affect the surrounding developments. Consequently, in addition to designing and constructing drainage for this project, the effects of site drainage should be taken into consideration for the planned structures on this property, the undeveloped portions of this property, and surrounding sites. Extra care should be taken to ensure irrigation and drainage from adjacent areas do not drain onto the project site or saturate the construction area.

Earthwork Construction Considerations

Excavations for the proposed structure are anticipated to be accomplished with conventional construction equipment. Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to construction of grade-supported improvements such as foundations, floor slabs, exterior hardscape, and pavements. Construction traffic over the completed subgrades should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. Water collecting over or adjacent to construction areas should be removed. If the subgrade should become desiccated, saturated, or is disturbed, the affected material should be removed, or the materials should be scarified, moisture conditioned, and recompacted prior to construction.

We recommend that the earthwork portion of this project be completed during extended periods of dry weather if possible. If earthwork is completed during the wet season (typically November through April) it may be necessary to take extra precautionary measures to protect subgrade soils. Wet season earthwork operations may require additional mitigation measures beyond that which would be expected during the drier summer and fall months. This could include ground stabilization utilizing chemical treatment of the subgrade, diversion of surface runoff around exposed soils, and draining of ponded water on the site. Once subgrades are established, it may be necessary to protect the exposed subgrade soils from construction traffic.

As a minimum, excavations should be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P, "Excavations" and its appendices, and in accordance with any applicable local and/or state regulations. Stockpiles of soil, construction materials, and construction equipment should not be placed near trenches or excavations. ***The Contractor is responsible for maintaining the stability of adjacent structures during construction.***

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety or the contractor's activities; such responsibility shall neither be implied nor inferred.

Excavations or other activities resulting in ground disturbance have the potential to affect adjoining properties and structures. Our scope of services does not include review of available final grading information or consider potential temporary grading performed by the contractor for potential effects such as ground movement beyond the project limits. A preconstruction/ precondition survey should be conducted to document nearby property/infrastructure prior to any site development activity. Excavation or ground disturbance activities adjacent or near property lines should be monitored or instrumented for potential ground movements that could negatively affect adjoining property and/or structures.

Construction Observation and Testing

The earthwork efforts should be observed by the Geotechnical Engineer (or others under their direction). Observation should include documentation of adequate removal of surficial materials (vegetation, topsoil, debris, and pavements), evaluation and remediation of existing fill materials, as well as proofrolling and mitigation of unsuitable areas delineated by the proofroll.

Each lift of compacted fill should be tested, evaluated, and reworked, as necessary, as recommended by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content at a frequency of at least one test for every 1,500 square feet of compacted fill in the building areas and 2,000 square feet in pavement areas. Where not specified by local ordinance, one density and water content test should be performed for every 50 linear feet of compacted utility trench backfill a minimum of one test performed for every 12 vertical inches of compacted backfill.

In areas of foundation excavations, the bearing subgrade should be evaluated by the Geotechnical Engineer. If unanticipated conditions are observed, the Geotechnical Engineer should prescribe mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

Shallow Foundations

The proposed building and drive-thru canopy may be supported by spread footings provided the footings extend through any fill and bear on firm native soil. If the site has been prepared in accordance with the requirements noted in **Earthwork**, the following design parameters are applicable for shallow foundations.

Design Parameters – Compressive Loads

Item	Description
Maximum Net Allowable Bearing Pressure ^{1,2}	4,000 psf
Required Bearing Stratum ³	Undisturbed firm native soil
Minimum Foundation Dimensions	Per CBC 1809.7
Passive Resistance ^{4,8} (equivalent fluid pressures)	350 pcf
Sliding Resistance ^{5,8}	0.35 allowable coefficient of friction - granular material
Minimum Embedment below Finished Grade ⁶	12 inches
Estimated Total Settlement from Structural Loads ²	Less than about 1 inch
Estimated Differential Settlement ^{2,7}	About ½ inch of total settlement

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. This bearing pressure can be increased by 1/3 for transient loads unless those loads have been factored to account for transient conditions. Values assume that exterior grades are no steeper than 20% within 10 feet of structure.
2. Values provided are for maximum loads noted in [Project Description](#). Additional geotechnical consultation will be necessary if higher loads are anticipated.
3. Unsuitable or soft soils should be overexcavated and replaced per the recommendations presented in [Earthwork](#).
4. Use of passive earth pressures require the sides of the excavation for the spread footing foundation to be nearly vertical and the concrete placed neat against these vertical faces or that the footing forms be removed and compacted structural fill be placed against the vertical footing face. Assumes no hydrostatic pressure.
5. Can be used to compute sliding resistance where foundations are placed on suitable soil/materials. Frictional resistance for granular materials is dependent on the bearing pressure which may vary due to load combinations.
6. Embedment necessary to minimize the effects of seasonal water content variations. For sloping ground, maintain depth below the lowest adjacent exterior grade within 5 horizontal feet of the structure.
7. Differential settlements are noted for equivalent-loaded foundations and bearing elevation as measured over a span of 50 feet.
8. Passive Resistance and Sliding Resistance may be combined to resist sliding provided the Passive Resistance is reduced by 50 percent.

Design Parameters – Overturning and Uplift Loads

Proposed drive-thru canopy foundations subjected to overturning loads should be proportioned such that the resultant eccentricity is maintained in the center-third of the foundation (e.g., $e < b/6$, where b is the foundation width). This requirement is intended to keep the entire foundation area in compression during the extreme lateral/overturning load event. Foundation oversizing may be required to satisfy this condition.

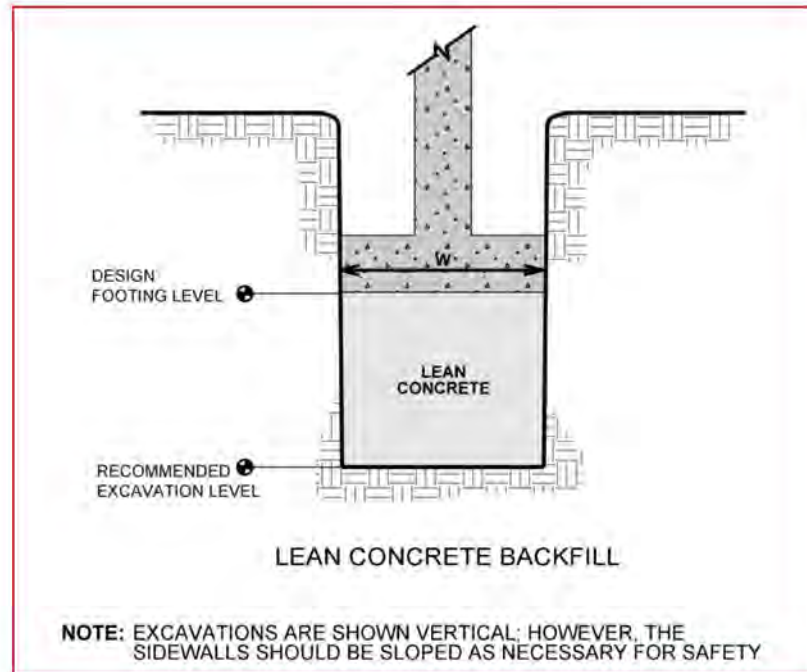
Uplift resistance of spread footings can be developed from the effective weight of the footing and the overlying soils with consideration to the CBC basic load combinations.

Item	Description
Soil Moist Unit Weight	110 pcf (compacted backfill)
Soil weight included in uplift resistance	Soil included within the prism extending up from the top perimeter of the footing at an angle of 20 degrees from vertical to ground surface

Foundation Construction Considerations

As noted in [Earthwork](#), the footing excavations should be evaluated under the observation of the Geotechnical Engineer. The base of all foundation excavations should be free of water and loose soil, prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Care should be taken to prevent wetting or drying of the bearing materials during construction. Excessively wet or dry material or any loose/disturbed material in the bottom of the footing excavations should be removed/reconditioned before foundation concrete is placed.

If unsuitable bearing soils are observed at the base of the planned footing excavation, the excavation should be extended deeper to suitable soils, and the footings could bear directly on these soils at the lower level or on lean concrete backfill placed in the excavations. The lean concrete replacement zone is illustrated on the following sketch.



To ensure foundations have adequate support, special care should be taken when footings are located adjacent to trenches. The bottom of such footings should be at least 1 foot below an imaginary plane with an inclination of 1½ horizontal to 1.0 vertical extending upward from the nearest edge of the adjacent trench.

Floor Slabs

We understand that the building will be constructed with a concrete slab-on-floor. Design parameters for floor slabs assume the requirements provided for **Earthwork** have been followed. Specific attention should be given to positive drainage away from the structure and positive drainage of the floor slab support course beneath the floor slab.

Floor Slab Design Parameters

Item	Description
Floor Slab Support¹	4 inches of $\frac{3}{4}$ inch free draining crushed rock ³ over subgrade prepared and compacted to the recommendations in Earthwork .
Estimated Modulus of Subgrade Reaction ²	150 pounds per square inch per inch (psi/in) for point loads

1. Floor slabs should be structurally independent of building footings or walls to reduce the possibility of floor slab cracking caused by differential movements between the slab and foundation.
2. Modulus of subgrade reaction is an estimated value based upon our experience with the subgrade condition, the requirements noted in [Earthwork](#), and the floor slab support as noted in this table. It is provided for point loads. For large area loads the modulus of subgrade reaction would be lower.
3. Free-draining granular material should have less than 5% fines (material passing the No. 200 sieve). Other design considerations such as cold temperatures and condensation development could warrant more extensive design provisions.

The use of a vapor retarder should be considered beneath concrete slabs on grade covered with wood, tile, carpet, or other moisture sensitive or impervious coverings, when the project includes humidity-controlled areas, or when the slab will support equipment sensitive to moisture. When conditions warrant the use of a vapor retarder, the slab designer should refer to ACI 302 and/or ACI 360 for procedures and cautions regarding the use and placement of a vapor retarder.

Saw-cut contraction joints should be placed in the slab to help control the location and extent of cracking. For additional recommendations, refer to the ACI Design Manual. Joints or cracks should be sealed with a waterproof, non-extruding compressible compound specifically recommended for heavy duty concrete pavement and wet environments.

Where floor slabs are tied to perimeter walls or turn-down slabs to meet structural or other construction objectives, our experience indicates differential movement between the walls and slabs will likely be observed in adjacent slab expansion joints or floor slab cracks beyond the length of the structural dowels. The Structural Engineer should account for potential differential settlement through use of sufficient control joints, appropriate reinforcing, or other means.

Floor Slab Construction Considerations

Finished subgrade, within and for at least 10 feet beyond the floor slab, should be protected from traffic, rutting, or other disturbance and maintained in a relatively moist condition until floor slabs are constructed. If the subgrade should become damaged or desiccated prior to construction of floor slabs, the affected material should be removed, and structural fill should be added to replace the resulting excavation. Final conditioning of the finished subgrade should be performed immediately prior to placement of the floor slab support course.

The Geotechnical Engineer should observe the condition of the floor slab subgrades immediately prior to placement of the floor slab support course, reinforcing steel, and concrete. Attention should be paid to high traffic areas that were rutted and disturbed earlier, and to areas where backfilled trenches are located.

Pavements

General Pavement Comments

Pavement designs are provided for the traffic conditions and pavement life conditions as noted in **Project Description** and in the following sections of this report. A critical aspect of pavement performance is site preparation. Pavement designs noted in this section must be applied to the site which has been prepared as recommended in the **Earthwork** section.

On most project sites, the site grading is accomplished relatively early in the construction phase. Fills are placed and compacted in a uniform manner. However, as construction proceeds, excavations are made into these areas, rainfall and surface water saturates some areas, heavy traffic from concrete trucks and other delivery vehicles disturbs the subgrade and many surface irregularities are filled in with loose soils to improve trafficability temporarily. As a result, the pavement subgrades, initially prepared early in the project, should be carefully evaluated as the time for pavement construction approaches.

We recommend the moisture content and density of the top 12 inches of the subgrade be evaluated and the pavement subgrades be proofrolled within two days prior to commencement of actual paving operations. Areas not in compliance with the required ranges of moisture or density should be moisture conditioned and recompacted. Particular attention should be paid to high traffic areas that were rutted and disturbed earlier and to areas where backfilled trenches are located. Areas where unsuitable conditions are located should be repaired by removing and replacing the materials with properly compacted fills.

If a significant precipitation event occurs after the evaluation or if the surface becomes disturbed, the subgrade should be reviewed by qualified personnel immediately prior to paving. The subgrade should be in its finished form at the time of the final review.

Pavement Design Parameters

Design of Asphaltic Concrete (AC) pavement sections were calculated using the Caltrans Highway Design Manual, latest edition, and a 20-year design life. Design of Portland Cement Concrete (PCC) pavement sections were designed using ACI 330R-21, "Guide for the Design and Construction of Concrete Parking Lots."

Bulk samples of the near surface native soils were collected to perform Hveem Stabilometer (R-Value) testing. A representative/composite bulk sample from Boring B-01 was selected for testing. The testing resulted in an R-Value of 66. Subsequently, an R-Value of 40 was used for the subgrade for the asphaltic concrete (AC) pavement designs. A modulus of subgrade reaction of 175 pci was used for the Portland cement concrete (PCC) pavement designs. The value was empirically derived based upon our experience with the sand and sand-gravel with moderate silt/clay subgrade soils and our expectation of the quality of the subgrade as prescribed by the **Site Preparation** conditions as outlined in **Earthwork**. A modulus of rupture of 550 psi was used in design for the concrete (based on correlations with a minimum 28-day compressive strength of 4,500 psi).

As more specific traffic information becomes available for the project specific and project traffic indexes are determined, we should be contacted to reevaluate the pavement calculations.

Recommendations for conventional pavement sections are presented next. The recommendations are based on the subgrade being in a firm and unyielding condition.

Pavement Section Thicknesses

The following table provides our opinion of minimum thickness for AC sections:

Asphaltic Concrete Design

Layer	Thickness (inches)			
	Auto Parking Areas (TI=5.0) ¹	Auto Road (TI=5.5) ¹	Truck Parking Areas (TI=6.0) ¹	Truck Parking Areas (TI=8.0) ¹
AC ^{2, 3}	3.0	3.5	3.5	5.0
Aggregate Base ²	4.0	4.5	5.5	8.0

1. See [Project Description](#) for more specifics regarding traffic assumptions.
2. All materials should meet the current Caltrans Highway Design Manual specifications.
 - Base – Caltrans Class 2 aggregate base
3. A minimum 1.5-inch surface course should be used on ACC pavements.

The following table provides our estimated minimum thickness of PCC pavements.

Portland Cement Concrete Design

Layer	Thickness (inches)		
	Traffic Category A ¹	Traffic Category B ¹	Traffic Category E ¹
PCC ²	4.25	5.50	6.75
Aggregate Base	4.0	6.0	6.0

1. See [Project Description](#) for more specifics regarding traffic classifications.
2. All materials should meet the current Caltrans Highway Design Manual specifications.

Areas for parking of heavy vehicles, concentrated turn areas, and start/stop maneuvers could require thicker pavement sections. Edge restraints (i.e. concrete curbs or aggregate shoulders) should be planned along curves and areas of maneuvering vehicles.

Although not required for structural support, a minimum 4-inch-thick base course layer is recommended to help reduce potential for slab curl, shrinkage cracking, and subgrade pumping through joints. Proper joint spacing will also be required to prevent excessive slab curling and shrinkage cracking. Joints should be sealed to prevent entry of foreign material and doweled where necessary for load transfer. PCC pavement details for joint

spacing, joint reinforcement, and joint sealing should be prepared in accordance with ACI 330 and ACI 325.

Where practical, we recommend early-entry cutting of crack-control joints in PCC pavements. Cutting of the concrete in its "green" state typically reduces the potential for micro-cracking of the pavements prior to the crack control joints being formed, compared to cutting the joints after the concrete has fully set. Micro-cracking of pavements may lead to crack formation in locations other than the sawed joints, and/or reduction of fatigue life of the pavement.

Openings in pavements, such as decorative landscaped areas, are sources for water infiltration into surrounding pavement systems. Water can collect in the islands and migrate into the surrounding subgrade soils thereby degrading support of the pavement. Islands with raised concrete curbs, irrigated foliage, and low permeability near-surface soils are particular areas of concern. The civil design for the pavements with these conditions should include features to restrict or collect and discharge excess water from the islands. Examples of features are edge drains connected to the stormwater collection system, longitudinal subdrains, or other suitable outlets and impermeable barriers preventing lateral migration of water such as a cutoff wall installed to a depth below the pavement structure.

Pavement Maintenance

The pavement sections represent minimum recommended thicknesses and, as such, periodic upkeep should be anticipated. Preventive maintenance should be planned and provided for through an on-going pavement management program. Maintenance activities are intended to slow the rate of pavement deterioration and to preserve the pavement investment. Pavement care consists of both localized (e.g., crack, and joint sealing and patching) and global maintenance (e.g., surface sealing). Additional engineering consultation is recommended to determine the type and extent of a cost-effective program. Even with periodic maintenance, some movements and related cracking may still occur, and repairs may be required.

Pavement performance is affected by its surroundings. In addition to providing preventive maintenance, the civil engineer should consider the following recommendations in the design and layout of pavements:

- Final grade adjacent to paved areas should slope down from the edges at a minimum 2%.
- Subgrade and pavement surfaces should have a minimum 2% slope to promote proper surface drainage.
- Install pavement drainage systems surrounding areas anticipated for frequent wetting.

- Install joint sealant and seal cracks immediately.
- Seal all landscaped areas in or adjacent to pavements to reduce moisture migration to subgrade soils.
- Place compacted, low permeability backfill against the exterior side of curb and gutter.
- Place curb, gutter and/or sidewalk directly on clay subgrade soils rather than on unbound granular base course materials.

General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials, or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly affect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating including

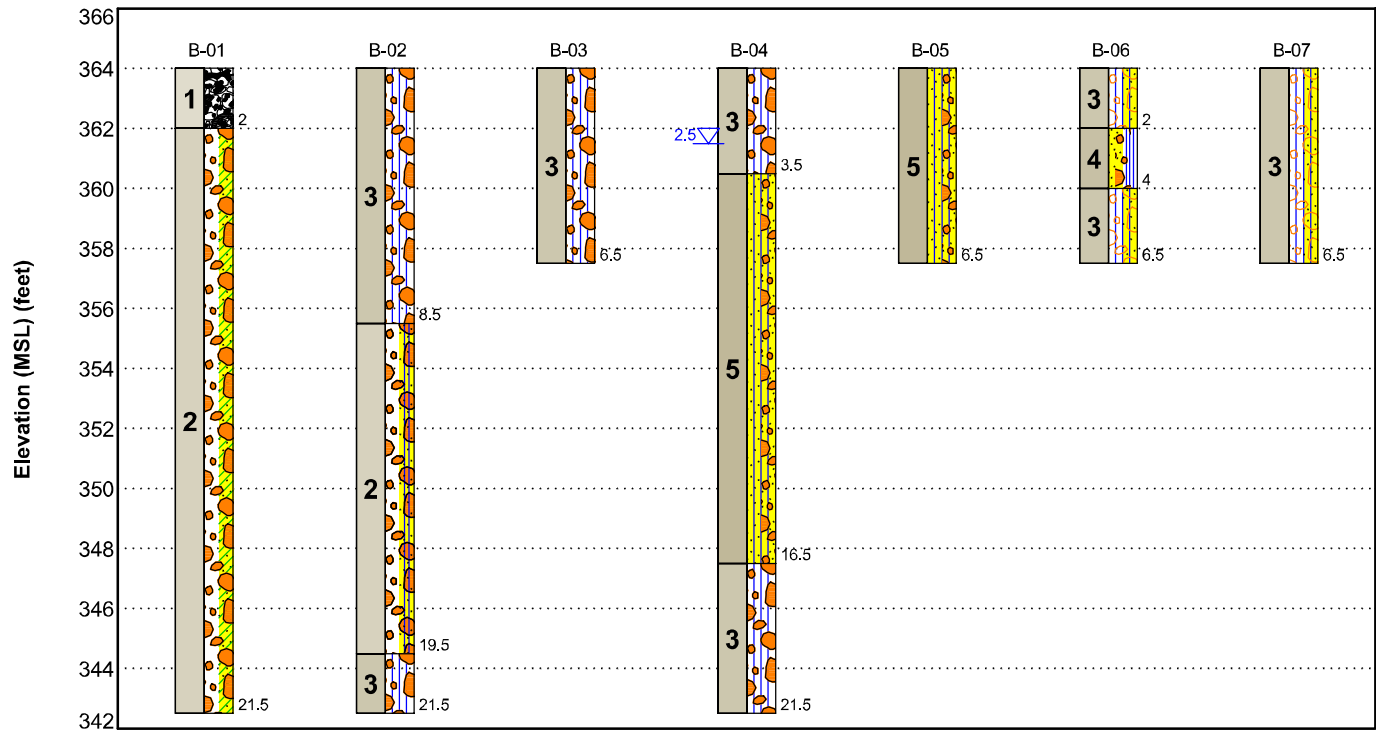
excavation support and dewatering requirements/design are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider a preconstruction/precondition survey of surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing. This report should not be used after 3 years without written authorization from Terracon.

Figures

Contents:

GeoModel

GeoModel



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description
1	FILL	Medium dense clayey sand
2	Poorly graded GRAVEL	Medium dense to dense gravel with variable amounts of sand, clay, and silt
3	Silty GRAVEL	Medium dense to very dense gravel with variable amounts of sand, clays, and silt
4	Poorly graded SAND	Medium dense to dense sand with variable amounts of gravel, clays, and silt
5	Silty SAND	Dense sand with variable amounts of gravel, clays, and silt

LEGEND

- Fill
- Poorly-graded Gravel with Silt and Sand
- Poorly-graded Sand with Silt and Gravel
- Poorly-graded Gravel with Clay and Sand
- Silty Sand with Gravel
- Silty Gravel
- Silty Gravel with Sand

First Water Observation

The groundwater levels shown are representative of the date and time of our exploration. Significant changes are possible over time. Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.

NOTES:
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project. Numbers adjacent to soil column indicate depth below ground surface.

Geotechnical Engineering Report

Raising Cane's C991 | Morgan Hill, Santa Clara County, CA
January 13, 2022 | Terracon Project No. ND225125



Attachments

Exploration and Testing Procedures

Field Exploration

Number of Borings	Approximate Boring Depth (feet)	Location
3	21½	building footprint
1	6½	canopy area
3	6½	pavement and landscaping areas

Boring Layout and Elevations: Terracon personnel provided the boring layout using handheld GPS equipment (estimated horizontal accuracy of about ± 20 feet) and referencing existing site features. Approximate ground surface elevations were estimated using Google Earth. If elevations and a more precise boring layout are desired, we recommend the exploration locations be surveyed.

Subsurface Exploration Procedures: We advanced the borings with a truck-mounted rotary drill rig using continuous solid flight augers. Three (3) samples were obtained in the upper 5 feet of each boring and at intervals of 5 feet thereafter. Sampling was performed using either a standard split-barrel sampler, or a Modified California Sampler (MCS), depending on the soil conditions. In the standard split-barrel sampling procedure, a standard 2-inch-outside-diameter (OD) split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. Blow counts are recorded in 6-inch intervals for a total of 18 inches of penetration. The blows required to drive the sampler the final 12 inches are recorded as Standard Penetration Test (SPT) resistance value, also referred to as the N-value. The sampling procedure using the MCS is similar to the standard procedure but uses a 3-inch OD thick-walled split-barrel sampler lined with 6-inch-long, 2½-inch OD tubes instead of the standard 2-inch OD sampling spoon. In each case, the blow counts and N-values are included in the boring logs at the associated sample depths. For safety purposes, all borings were backfilled with auger cuttings after their completion.

We also observed the boreholes while drilling and at the completion of drilling for the presence of groundwater. The groundwater levels are shown on the attached boring logs.

The sampling depths, penetration distances, and other sampling information was recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a Geotechnical Engineer. Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual classifications of the materials observed during drilling and our

interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the Geotechnical Engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests. The laboratory testing program included the following types of tests:

- Moisture Content
- Dry Unit Weight
- Grain Size Analysis
- Corrosion Analysis
- R-Value

The laboratory testing program often included examination of soil samples by an engineer. Based on the results of our field and laboratory programs, we described and classified the soil samples in accordance with the Unified Soil Classification System.

Site Location and Exploration Plans

Contents:

Site Location Plan

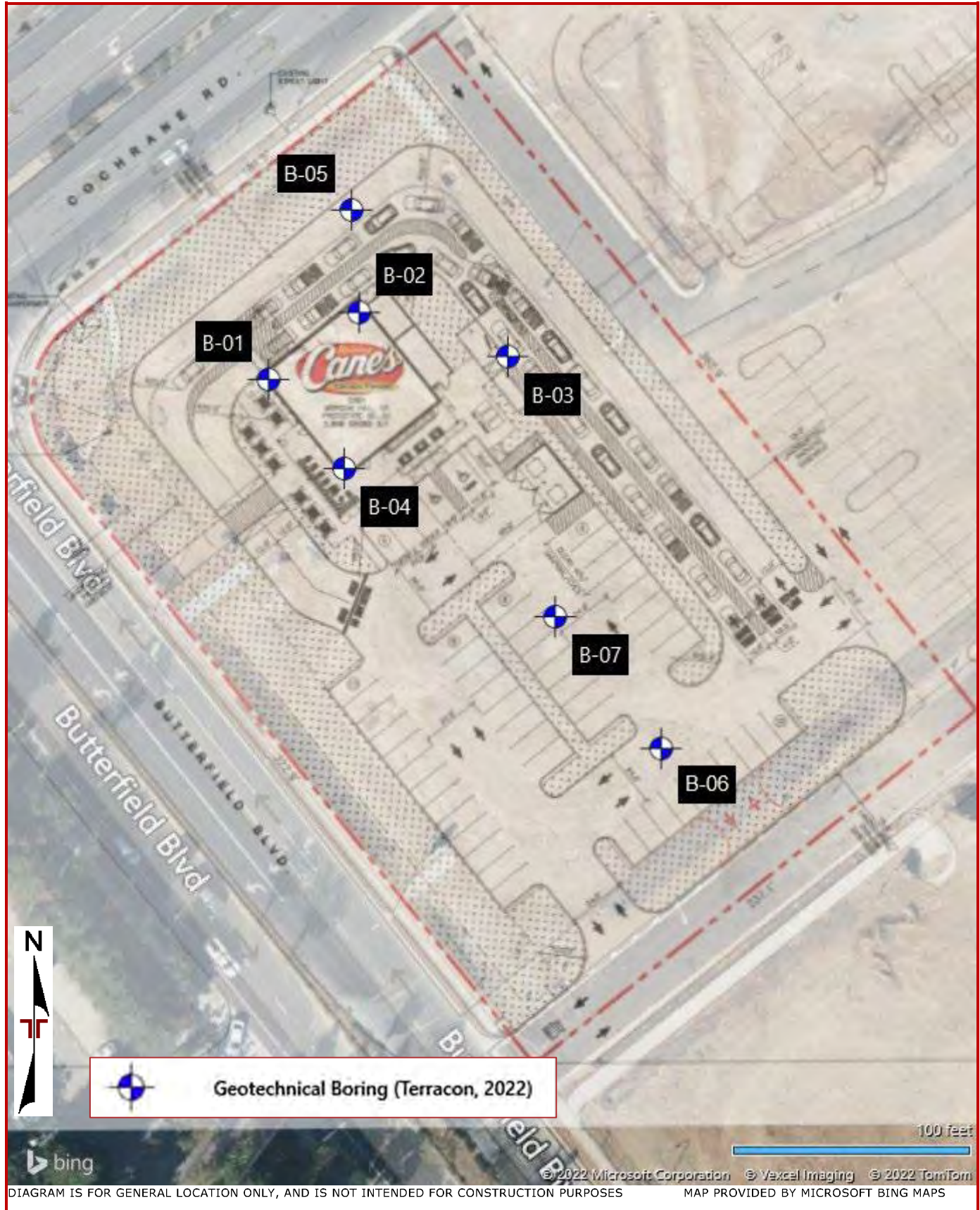
Exploration Plan

Note: All attachments are one page unless noted above.

Site Location



Exploration Plan



Exploration and Laboratory Results

Contents:

Boring Logs (B-01 through B-07)
Grain Size Distribution
R-Value
Corrosivity

Note: All attachments are one page unless noted above.

Boring Log No. B-01

Model Layer	Graphic Log	Location: See Exploration Plan		Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
		Latitude: 37.1475° Longitude: -121.6604°	Elevation: 364 (Ft.) +/-							LL-PL-PI	
1		FILL - CLAYEY SAND (SC) , gray to brown, medium dense									
		2.0	362				14-11-10	11.1	116		
2		POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) , brown, medium dense, coarse gravel, up to 2" in largest dimension					5-9-9	13.9			
		dense, trace cobbles		5			18-28-29	8.1			10
		grayish brown		10			21-28-40	10.0	137		
		brown		15			22-24-28	9.8	125		
				20			17-22-21	9.5			
		21.5		342.5							
		Boring Terminated at 21.5 Feet									

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-02

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1475° Longitude: -121.6603° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL (GM) , with sand, brown, dense, gravel up to about 0.5" in dimension								
		light brown to brown, medium dense, gravel up to about 1.5" in dimension				6-26-27	14.1	116		
		light brown, dense, gravel up to about 1" in dimension	5			14-16-15	9.6	114		
						18-24-27	11.3	115		
2		POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) , light brown to brown, dense, gravel up to about 1" in dimension	8.5							
						12-20-30	8.4	118		
		medium dense	15			15-18-19	13.2	121		
3		SILTY GRAVEL (GM) , with sand, light brown to brown, dense, gravel up to about 1" in dimension	19.5							
			21.5			22-24-46	12.0	118		
		Boring Terminated at 21.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

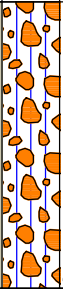
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-03

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1475° Longitude: -121.6601° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL (GM) , with sand, light brown to brown, medium dense, gravel up to about 1.5" in dimension medium dense to dense very dense	5			12-13-19	10.2	125		
						17-19-23	9.8			
						13-40-50	6.0			
		Auger Refusal at 6.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

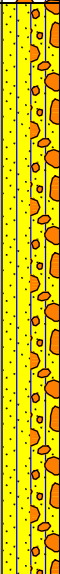
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-04

Model Layer	Graphic Log	Location: See Exploration Plan		Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
		Latitude: 37.1473° Longitude: -121.6603°								LL-PL-PI	
		Depth (Ft.)		Elevation: 364 (Ft.) +/-							
3		SILTY GRAVEL (GM) , with sand, brown to light brown, medium dense, gravel up to about 1.5" in dimension									
		light brown, dense, gravel/cobbles up to about 2" in dimension									
		3.5	360.5				3-23-8	7.0	116		
		SILTY SAND WITH GRAVEL (SM) , light brown, dense, fine- to coarse-grained sand, gravel up to about 0.5" in dimension					18-32-35	9.2			
5				5			12-19-20 N=39	9.5			14
				10			15-20-24 N=44	14.9			
				15			12-15-16 N=31				
3		SILTY GRAVEL (GM) , light brown to brown, dense, gravel up to about 1" in dimension									
		16.5	347.5								
				20			12-26-20 N=46	12.8			
		21.5	342.5								
		Boring Terminated at 21.5 Feet									

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

While drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

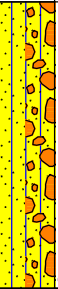
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-05

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1476° Longitude: -121.6603° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
5		SILTY SAND WITH GRAVEL (SM) , light brown to brown, dense, fine- to medium-grained sand, gravel up to about 1.75" in dimension brown with reddish brown	5			16-30-31	8.8	114		
						16-30-32	9.3			
						23-25-13	8.3			
		6.5 357.5 Boring Terminated at 6.5 Feet								21

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-06

Model Layer	Graphic Log	Location: See Exploration Plan		Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines		
		Latitude: 37.1470° Longitude: -121.6599°								LL-PL-PI			
		Depth (Ft.)	Elevation: 364 (Ft.) +/-										
3		SILTY GRAVEL WITH SAND (GM) , brown to light brown, medium dense		5									
		2.0	362				7-9-10	9.0					
4		POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown to light brown with orangish brown, medium dense					9-18-17	11.0				113	11
		4.0	360										
3		SILTY GRAVEL WITH SAND (GM) , light brown with orangish brown, very dense					18-50	10.6					
		6.5	357.5										
		Boring Terminated at 6.5 Feet											

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

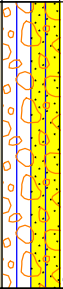
Advancement Method

4" Solid-Flight Auger

Abandonment Method

Boring backfilled with auger cuttings upon completion.

Boring Log No. B-07

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 37.1472° Longitude: -121.6600° Depth (Ft.) Elevation: 364 (Ft.) +/-	Depth (Ft.)	Water Level Observations	Sample Type	Field Test Results	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits	Percent Fines
									LL-PL-PI	
3		SILTY GRAVEL WITH SAND (GM) , orangish brown, medium dense, gravel up to about 1.5" in dimension	5			12-14-18	6.2	125		
		brown to light brown				16-15-15	6.0			
		brown to light orangish brown, dense, gravel up to about 2.5" in dimension, sand lense				20-24-27	10.0			
		6.5 357.5								
		Boring Terminated at 6.5 Feet								

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).
 See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes

Elevation Reference: Elevations interpreted from Google Earth Pro

Water Level Observations

Groundwater not observed at time of drilling

Drill Rig

B-24 Little Beaver

Hammer Type

Rope and Cathead

Driller

CalGeo

Logged by

N. Jamison

Boring Started

12-14-2022

Boring Completed

12-14-2022

Advancement Method

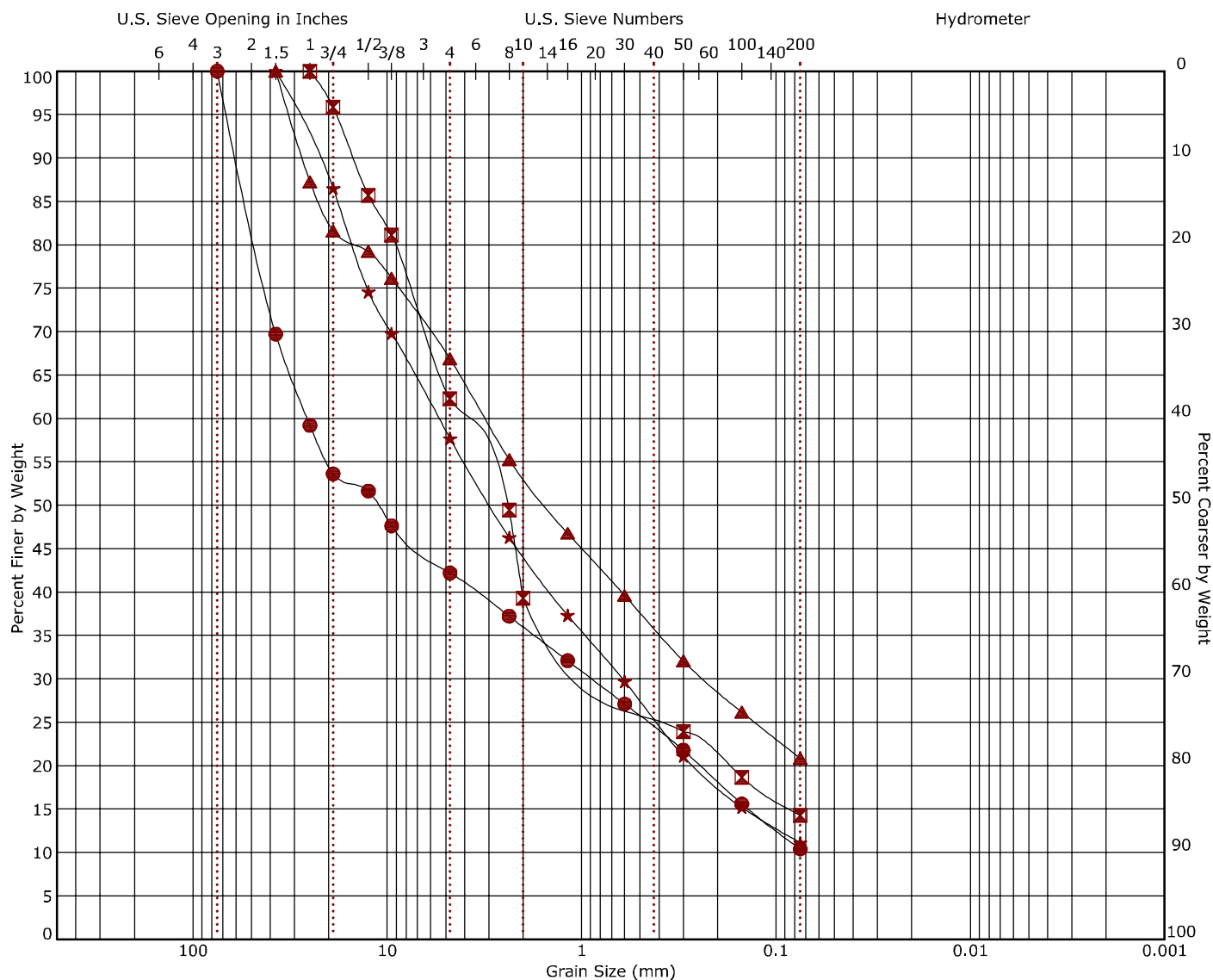
4" Solid-Flight Auger

Abandonment Method

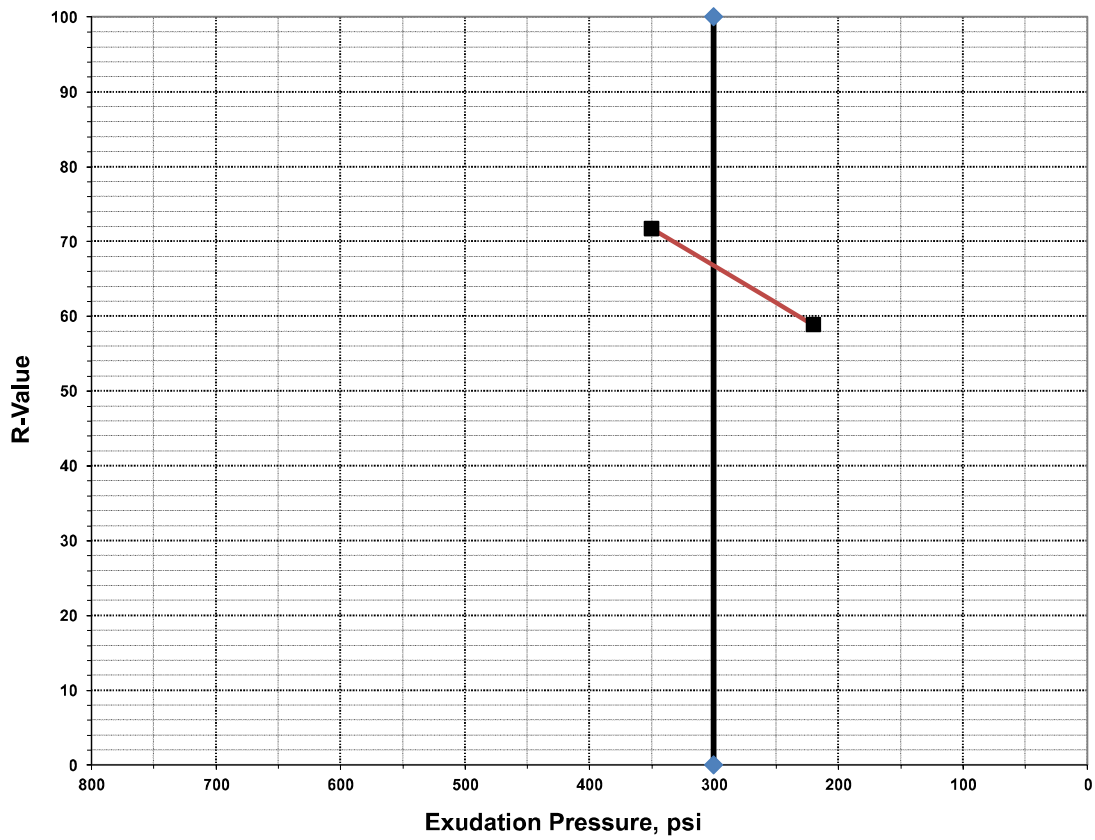
Boring backfilled with auger cuttings upon completion.

Grain Size Distribution

ASTM D422 / ASTM C136



Cobbles		Gravel		Sand			Silt or Clay							
		coarse	fine	coarse	medium	fine								
Boring ID	Depth (Ft)	Description						USCS	LL	PL	PI	Cc	Cu	
●	B-01	5 - 6.5											0.43	362.78
☒	B-04	5 - 6.5												
▲	B-05	5 - 6.5												
★	B-06	2.5 - 4											1.13	87.65
Boring ID	Depth (Ft)	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Fines	%Silt	%Clay			
●	B-01	5 - 6.5	75	25.79	0.889		0.0	57.8	31.8	10.4				
☒	B-04	5 - 6.5	25	4.195	0.637		0.0	37.7	48.0	14.3				
▲	B-05	5 - 6.5	37.5	3.139	0.235		0.0	33.1	46.0	20.8				
★	B-06	2.5 - 4	37.5	5.421	0.616		0.0	42.3	46.6	11.1				



Specimen Identification	Compaction Pressure (psi)	R-Value at 300 psi
B-01	290.0	66

R-Value Test

Client: Raising Cane's Restaurant, LLC
Project: Raising Cane's C991
Site:
Project No.: ND225125

Client

Raising Cane's Restaurants, LLC

Project

Raising Cane's RC 991 Morgan Hill (Cochrane & Butterfield), CA

Sample Submitted By: Terracon (ND)

Date Received: 12/21/2022

Lab No.: 22-0833

Results of Corrosion Analysis

Sample Number	1
Sample Location	B-02
Sample Depth (ft.)	1.0-2.5
pH Analysis, ASTM G 51	7.34
Water Soluble Sulfate (SO ₄), ASTM C 1580 (mg/kg)	100
Sulfides, AWWA 4500-S D, (mg/kg)	Nil
Chlorides, ASTM D 512, (mg/kg)	47
Red-Ox, ASTM G 200, (mV)	+736
Total Salts, AWWA 2520 B, (mg/kg)	135
Saturated Minimum Resistivity, ASTM G 57, (ohm-cm)	5820

Analyzed By:



Nathan Campo
Engineering Technician II

The tests were performed in general accordance with applicable ASTM and AWWA test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Supporting Information

Contents:

General Notes

Unified Soil Classification System

Note: All attachments are one page unless noted above.

General Notes

Sampling	Water Level	Field Tests
 Modified Dames & Moore Ring Sampler  Grab Sample  Standard Penetration Test	 Water Level Initially Encountered  Water Level After a Specified Period of Time  Water Level After a Specified Period of Time  Cave In Encountered Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.	N Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer UC Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

Descriptive Soil Classification

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

Location And Elevation Notes

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See Exploration and Testing Procedures in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

Strength Terms

Relative Density of Coarse-Grained Soils (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance		Consistency of Fine-Grained Soils (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
Relative Density	Standard Penetration or N-Value (Blows/Ft.)	Consistency	Unconfined Compressive Strength Qu (tsf)	Standard Penetration or N-Value (Blows/Ft.)
Very Loose	0 - 3	Very Soft	less than 0.25	0 - 1
Loose	4 - 9	Soft	0.25 to 0.50	2 - 4
Medium Dense	10 - 29	Medium Stiff	0.50 to 1.00	4 - 8
Dense	30 - 50	Stiff	1.00 to 2.00	8 - 15
Very Dense	> 50	Very Stiff	2.00 to 4.00	15 - 30
		Hard	> 4.00	> 30

Relevance of Exploration and Laboratory Test Results

Exploration/field results and/or laboratory test data contained within this document are intended for application to the project as described in this document. Use of such exploration/field results and/or laboratory test data should not be used independently of this document.

Unified Soil Classification System

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification	
				Group Symbol	Group Name ^B
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines ^C	Cu≥4 and 1≤Cc≤3 ^E	GW	Well-graded gravel ^F
			Cu<4 and/or [Cc<1 or Cc>3.0] ^E	GP	Poorly graded gravel ^F
		Gravels with Fines: More than 12% fines ^C	Fines classify as ML or MH	GM	Silty gravel ^{F, G, H}
	Sands: 50% or more of coarse fraction passes No. 4 sieve		Fines classify as CL or CH	GC	Clayey gravel ^{F, G, H}
		Clean Sands: Less than 5% fines ^D	Cu≥6 and 1≤Cc≤3 ^E	SW	Well-graded sand ^I
			Cu<6 and/or [Cc<1 or Cc>3.0] ^E	SP	Poorly graded sand ^I
Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic:	PI > 7 and plots above “A” line ^J	CL	Lean clay ^{K, L, M}
			PI < 4 or plots below “A” line ^J	ML	Silt ^{K, L, M}
		Organic:	$\frac{LL \text{ oven dried}}{LL \text{ not dried}} < 0.75$	OL	Organic clay ^{K, L, M, N}
					Organic silt ^{K, L, M, O}
	Silts and Clays: Liquid limit 50 or more	Inorganic:	PI plots on or above “A” line	CH	Fat clay ^{K, L, M}
			PI plots below “A” line	MH	Elastic silt ^{K, L, M}
		Organic:	$\frac{LL \text{ oven dried}}{LL \text{ not dried}} < 0.75$	OH	Organic clay ^{K, L, M, P}
					Organic silt ^{K, L, M, Q}
Highly organic soils:	Primarily organic matter, dark in color, and organic odor			PT	Peat

^A Based on the material passing the 3-inch (75-mm) sieve.

^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

$$^E \quad Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.

^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^H If fines are organic, add "with organic fines" to group name.

^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

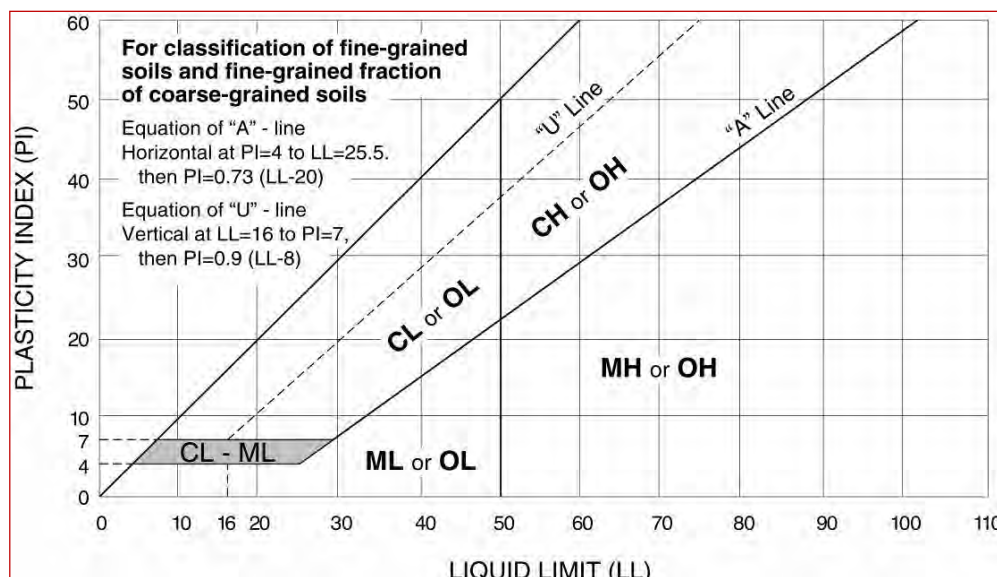
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N PI ≥ 4 and plots on or above "A" line.

^O PI < 4 or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.



Appendix C – Performance Requirement Flow Charts and Checklists

Flow Charts

Flow Chart to Determine Performance Requirements

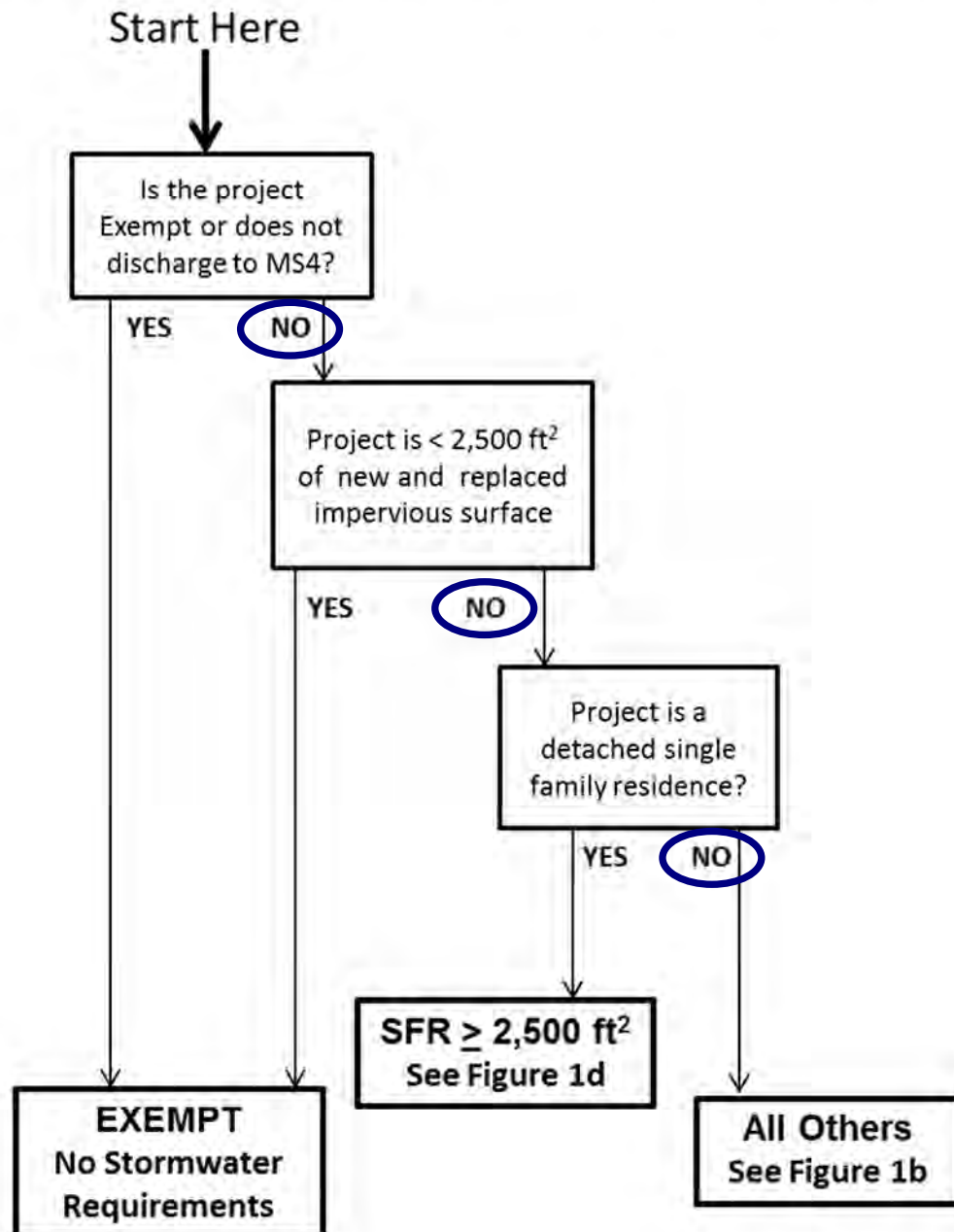


Figure 1a. Initial Screening for All Development Projects

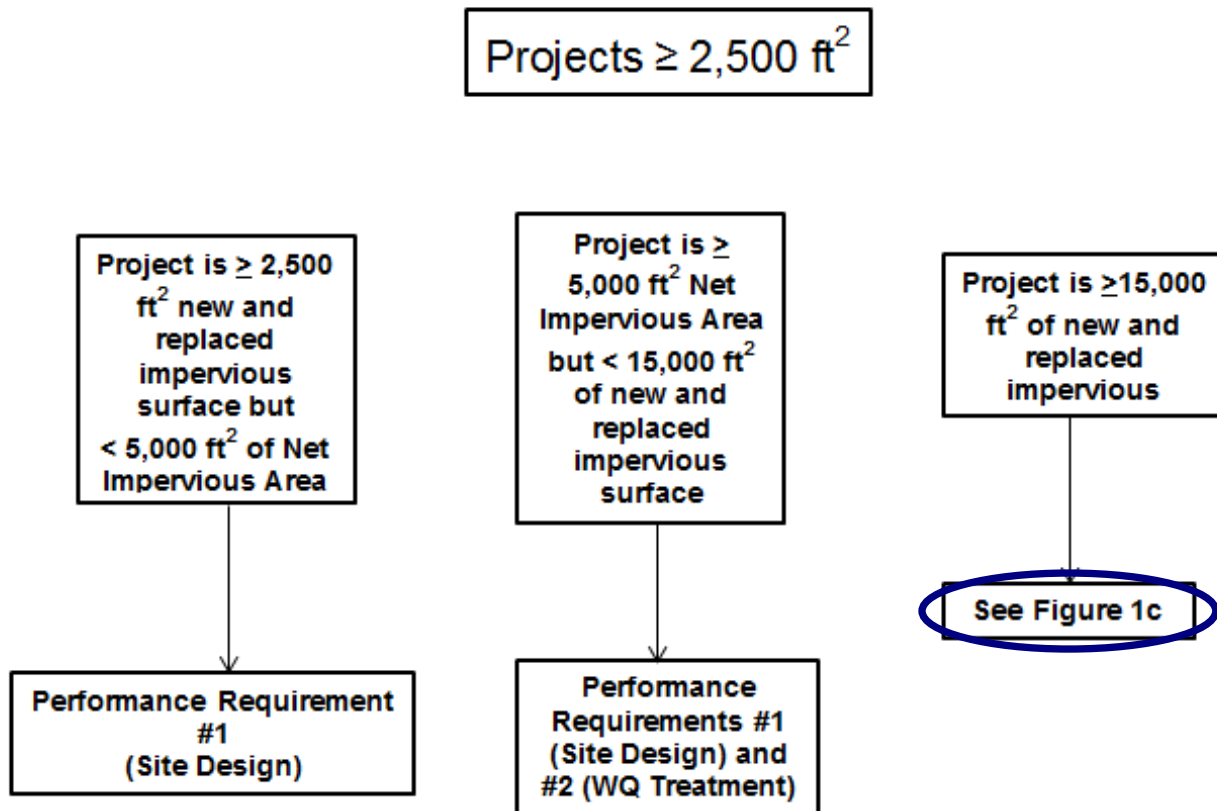


Figure 1b. Requirements for Small to Moderate Development Projects

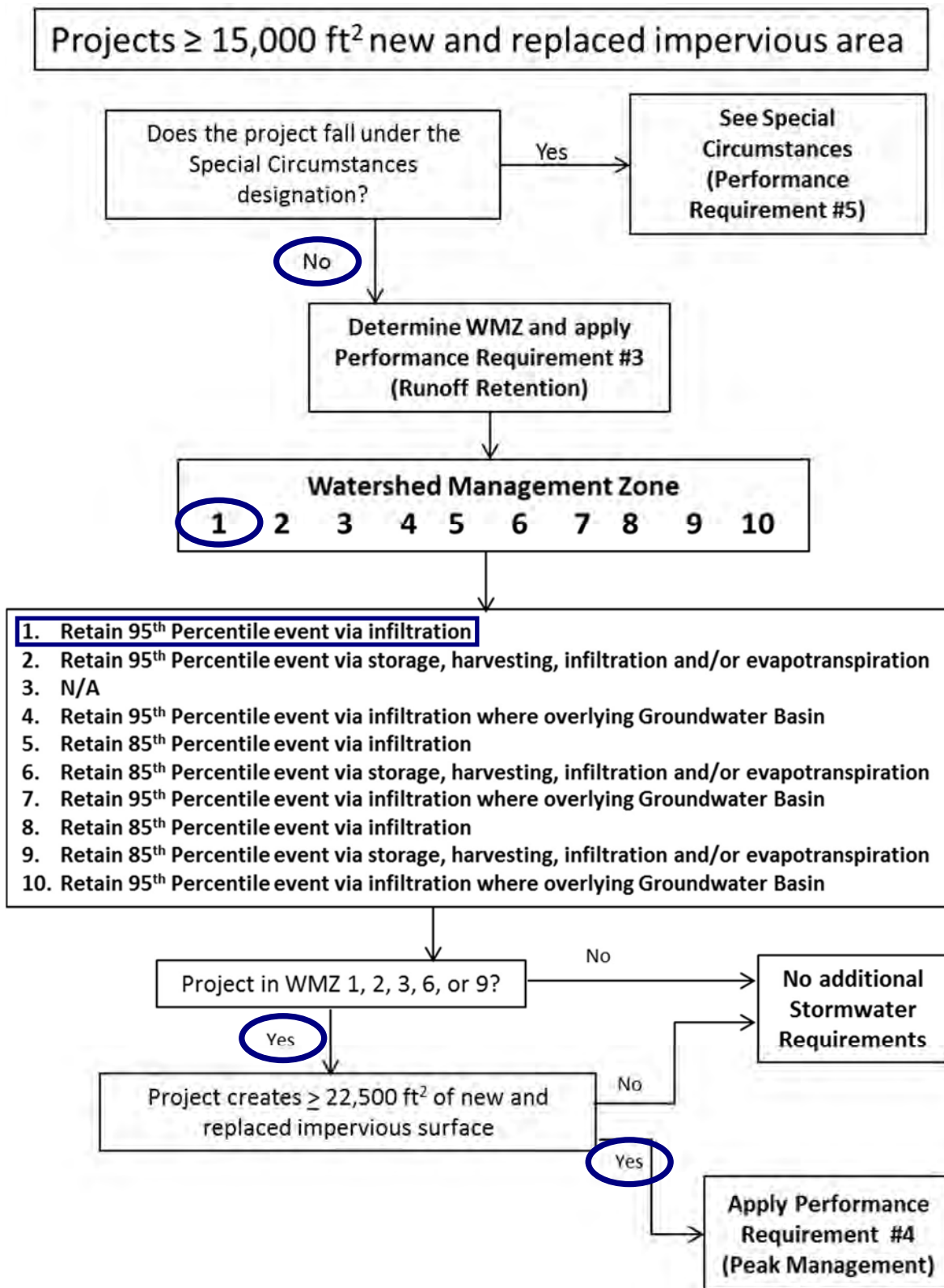


Figure 1c. Requirements for Large Development Projects

PERFORMANCE REQUIREMENT NO. 1 SITE DESIGN AND RUNOFF REDUCTION CERTIFICATION	
DESIGN STRATEGY	INCORPORATED?
1. Limit disturbance of creeks and natural drainage features.	N/A
2. Minimize compaction of highly permeable soils.	✓
3. Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access, and provide fire protection.	✓
4. Minimize impervious surfaces by concentrating improvements on the least sensitive areas of the site, while leaving the remaining land in a natural undisturbed state.	✓
5. Minimize stormwater runoff by implementing one or more of the following design measures:	
a) Direct roof runoff into cisterns or rain barrels for reuse.	N/A
b) Direct roof runoff onto vegetated areas safely away from building foundations and footings.	N/A
c) Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas safely away from building foundations and footings.	✓
d) Direct runoff from driveways and/or uncovered parking lots onto vegetated areas safely away from building foundations and footings.	✓
e) Construct bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios with permeable surfaces.	N/A

I, Tatiana Braun, acting as the Project Engineer for Raising Cane's project, located at Cochrane & Butterfield, Morgan Hill, CA, 95037, hereby state that the Site Design and Runoff Reduction design strategies indicated above have been incorporated into the design of the project.

Signature 

Date 03/31/2023

SOURCE CONTROL CHECKLIST	
ON-SITE SOURCE CONTROL MEASURES	INCORPORATED?
Wash area/racks, drain to sanitary sewer ¹	N/A
Covered dumpster area, drain to sanitary sewer ¹	☒
Sanitary sewer connection or accessible cleanout for swimming pool/spa/fountain ¹	N/A
Parking garage floor drains plumbed to sanitary sewer ¹	N/A
Fire sprinkler test water/condensate drain lines drain to landscape/sanitary sewer ¹	☒
Interior floor drains/boiler drain lines plumbed to sanitary sewer	☒
Beneficial landscaping/IPM (minimize irrigation, runoff, pesticides and fertilizers; promotes treatment)	☒
Outdoor material storage protection	N/A
Covers, drains for loading docks, maintenance bays, fueling areas	N/A
Maintenance (pavement sweeping, catch basin cleaning, good housekeeping)	☒
Storm drain labeling	☒
Other ² _____	☐

Notes:

¹ Subject to sanitary sewer authority requirements.

² See CASQA Stormwater BMP Handbook for New Development and Redevelopment for additional BMPs for vehicle service repair facilities, fuel dispensing areas, industrial processes, rooftop equipment and other pollutant generating activities and sources:

<https://www.casqa.org/resources/bmp-handbooks/new-development-redevelopment-bmp-handbook>

PERFORMANCE REQUIREMENT NO. 2: WATER QUALITY TREATMENT

CERTIFICATION

	ON-SITE WATER QUALITY TREATMENT MEASURES (IN ORDER OF PRIORITY)	INCORPORATED?
1.	Low Impact Development (LID) Treatment Systems designed to retain stormwater runoff generated by the 85th percentile 24-hour storm. Stormwater Control Measures implemented (circle all that apply, design documentation is required): • Harvesting and Use, • Infiltration, • Evapotranspiration	
2.	Biofiltration Treatment Systems – with the following design parameters: a) Maximum surface loading rate appropriate to prevent erosion, scour and channeling within the biofiltration treatment system itself and equal to 5 inches per hour, based on the flow of runoff produced from a rain event equal to or at least: i. 0.2 inches per hour intensity; or ii. Two times the 85th percentile hourly rainfall intensity for the applicable area, based on historical records of hourly rainfall depth b) Minimum surface reservoir volume equal to the biofiltration treatment system surface area times a depth of 6 inches c) Minimum planting medium depth of 24 inches. The planting medium must sustain a minimum infiltration rate of 5 inches per hour throughout the life of the project and must maximize runoff retention and pollutant removal. A mixture of sand (60%-70%) meeting the specifications of American Society for Testing and Materials (ASTM) C33 and compost (30%-40%) may be used. A Regulated Project may utilize an alternative planting medium if it demonstrates its planting medium is equal to or more effective at attenuating pollutants than the specified planting medium mixture. d) Proper plant selection¹³ e) Subsurface drainage/storage (gravel) layer with an area equal to the biofiltration treatment system surface area and having a minimum depth of 12 inches f) Underdrain with discharge elevation at top of gravel layer g) No compaction of soils beneath the biofiltration facility (ripping/loosening of soils required if compacted) h) No liners or other barriers interfering with infiltration, except for situations where lateral infiltration is not technically feasible	

¹³ Technical guidance for designing bioretention facilities is available from the Central Coast LID Initiative. The guidance includes design specifications and plant lists appropriate for the Central Coast climate: http://www.centralcoastlidi.org/Central_Coast_LIDI/LID_Structural_BMPs.html

3.	Non-Retention Based Treatment Systems – designed to meet at least one of the following hydraulic sizing criteria: (a) Volume Hydraulic Design Basis – Treatment systems whose primary mode of action depends on volume capacity shall be designed to treat stormwater runoff equal to the volume of runoff generated by the 85th percentile 24-hour storm event, based on local rainfall data. (b) Flow Hydraulic Design Basis – Treatment systems whose primary mode of action depends on flow capacity shall be sized to treat: (i) The flow of runoff produced by a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the applicable area, based on historical records of hourly rainfall depths; or (ii) The flow of runoff resulting from a rain event equal to at least 0.2 inches per hour intensity.	
----	--	--

I, Tatiana Braun, acting as the Project Engineer for Raising Cane's project, located at Cochrane & Butterfield, Morgan Hill, CA, 95037, hereby state that the On-Site Water Quality Treatment Measures indicated above have been incorporated into the design of the project.


Signature

03/31/2023
Date

**PERFORMANCE REQUIREMENT NO. 3:
RUNOFF RETENTION**

Design Rainfall Events & Treatment Requirements for WMZs

WMZ¹	Treatment Options & Design Rainfall	Check Applicable WMZs
WMZ 1	Via optimized infiltration ² , prevent offsite discharge from events up to the 95 th percentile 24-hour rainfall event as determined from local rainfall data.	
WMZ 2	Via storage, rainwater harvesting, infiltration, and/or evapotranspiration, prevent offsite discharge from events up to the 95 th percentile 24-hour rainfall event as determined from local rainfall data.	
WM 4 *	Via optimized infiltration ² , prevent offsite discharge from events up to the 95 th percentile 24-hour rainfall event as determined from local rainfall data.	
WMZ 5	Via optimized infiltration ² prevent offsite discharge from events up to the 85 th percentile 24-hour rainfall event as determined from local rainfall data.	
WMZ 6	Via storage, rainwater harvesting, infiltration, and/or evapotranspiration, prevent offsite discharge from events up to the 85 th percentile 24-hour rainfall event as determined from local rainfall data.	
WMZ 9	Via storage, rainwater harvesting, infiltration, and/or evapotranspiration, prevent offsite discharge from events up to the 85 th percentile 24-hour rainfall event as determined from local rainfall data.	
WMZ 10 *	Via optimized infiltration ² , prevent offsite discharge from events up to the 95 th percentile 24-hour rainfall event as determined from local rainfall data	

Notes:

* Applicable only to those areas that overlay designated Groundwater Basins

1. Includes only those WMZs contained in Santa Clara County.

2. Storage, rainwater harvesting, and/or evapotranspiration may be used when infiltration is optimized.

**PERFORMANCE REQUIREMENT NO. 3:
RUNOFF RETENTION**

LID Site Assessment Checklist

ITEMS TO DOCUMENT:	INCLUDED?
1. Site topography	☒
2. Hydrologic features including contiguous natural areas, wetlands, watercourses, seeps, or springs	N/A
3. Depth to seasonal high groundwater	☒
4. Locations of groundwater wells used for drinking water	N/A
5. Depth to an impervious layer such as bedrock	Depth Unknown
6. Presence of unique geology (e.g., karst)	N/A
7. Geotechnical hazards	N/A
8. Documented soil and/or groundwater contamination	N/A
9. Soil types and hydrologic soil groups	☒
10. Vegetative cover/trees	☒
11. Run-on characteristics (source and estimated runoff from offsite which discharges to the project area)	N/A
12. Existing drainage infrastructure for the site and nearby areas including the location of municipal storm drains	☒
13. Structures including retaining walls	☒
14. Utilities	☒
15. Easements	☒
16. Covenants	☐
17. Zoning/Land Use	☒
18. Setbacks	☒
19. Open space requirements	☐
20. Other pertinent overlay(s)	☐

PERFORMANCE REQUIREMENT NO. 3: RUNOFF RETENTION LID Site Design Measures		
	DESIGN MEASURE	INCORPORATED?
1.	Defining the development envelope, identifying the protected areas, and identifying areas that are most suitable for development and areas to be left undisturbed	✓
2.	Identifying conserved natural areas, including existing trees, other vegetation, and soils (shown on the plans)	✓
3.	Limit the overall impervious footprint of the project	✓
4.	Design of streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided that public safety or mobility uses are not compromised	✓
5.	Set back development from creeks, wetlands, and riparian habitats	N/A
6.	Design conforms the site layout along natural landforms	N/A
7.	Design avoids excessive grading and disturbance of vegetation and soils	✓

I, Tatiana Braun, acting as the Project Engineer for Raising Cane's project, located at Cochrane & Butterfield, Morgan Hill, CA, 95037, hereby state that LID Site Design Measures indicated above have been incorporated into the design of the project.


Signature

03/31/2023
Date

**PERFORMANCE REQUIREMENT NO. 3:
RUNOFF RETENTION**

Technical Infeasibility Checklist

	Site Conditions	Check If Applicable
1.	Depth to seasonal high groundwater limits infiltration and/or prevents construction of subgrade stormwater control measures ¹⁴	☐
2.	Depth to an impervious layer such as bedrock limits infiltration	☐
3.	Sites where soil types significantly limit infiltration	☒
4.	Sites where pollutant mobilization in the soil or groundwater is a documented concern	☐
5.	Space constraints (e.g., infill projects, some redevelopment projects, high density development)	☐
6.	Geotechnical hazards	☐
7.	Stormwater Control Measures located within 100 feet of a groundwater well used for drinking water	☐
8.	Incompatibility with surrounding drainage system (e.g., project drains to an existing stormwater collection system whose elevation or location precludes connection to a properly functioning treatment or flow control facility)	☐

¹⁴ See Santa Clara Valley Water District guidelines for minimum groundwater separation from stormwater infiltration devices (Section 7, Table 6, of this Manual).

Appendix D – Bioretention Facility Calculations

Existing Condition						
DMA ID	Total Area (SF)	Total Area (ac)	Pervious Area (SF)	Pervious Area (ac)	Impervious Area (SF)	Impervious Area (ac)
1	84,718	1.94	72,826	1.67	11,892	0.27

Proposed Condition						
DMA ID	Total Area (SF)	Total Area (ac)	Pervious Area (SF)	Pervious Area (ac)	Impervious Area (SF)	Impervious Area (ac)
DMA 1	22,966	0.53	6,810	0.16	16,156	0.37
DMA 2	4,150	0.10	2,566	0.06	1,584	0.04
DMA 3	6,929	0.16	2,749	0.06	4,180	0.10
DMA 4	34,962	0.80	8,384	0.19	26,578	0.61
DMA 5	13,536	0.31	4,015	0.09	3,642	0.08
DMA OFF 1	1,611	0.04	1,225	0.03	386	0.01
DMA OFF 2	564	0.01	564	0.01	0	0.00
Total	84,718	1.94	25,749	0.59	58,969	1.35

DMA ID	Retention Tributary Area (SF)	Impervious Fraction, I	Runoff Coefficient (C)	Minimum Bioretention Facility Size (SF) ₁	Runoff Retention Volume	Provided Bioretention Facility Size (SF)
DMA 1	22,966	70.35%	0.4972	674	1,618	440
						719
DMA 2	4,150	38.17%	0.2695	74	158	245
DMA 3	6,929	60.33%	0.4114	179	404	401
DMA 4	34,962	76.02%	0.5546	1,097	2,747	1,668
DMA 5	13,536	26.91%	0.2085	162	400	758
DMA OFF 1 ⁵	1,611	23.96%	0.1925	21	44	-
DMA OFF 2 ⁵	564	0.00%	0.0400	3	3	-
Total	84,718	69.6%	0.4902	2,462	5,883	4,231

P (in)	Ci	Cp
1.7	0.9	0.2

Runoff Retention						
DMA ID	BMP ID	Ponding Depth (FT)	Depth of Planting Media(FT)	Depth of Gravel Section (FT)	Required Retention Volume (CF) ₃	Retention Volume Provided (CF)
DMA 1	1A	0.5	2.0	2.0	1,618	836
	1B	0.5	2.0	2.0		1,366
DMA 2	2	0.5	2.0	2.0	158	466
DMA 3	3	0.5	2.0	2.0	404	762
DMA 4	4	0.5	2.0	2.0	2,747	3,169
DMA 5	5	0.5	2.0	2.0	400	1,440

Peak Flow Mitigation		
Outfall OF1	Existing (CFS)	Proposed (CFS)
2-yr	0.11	0.06
10-yr	0.75	0.30
25-yr	0.99	0.42
100-yr	1.36	1.34

Drawdown Time				
BMP ID	Bioretention Bottom Area (SF)	Infiltration Rate (in/hr)	Maximum 100-Year Depth (IN)	Drawdown Time (hr)
1A	440	0.493	0.93	22.64
1B	719	0.493	0.9	21.91
2	245	0.493	0.88	21.42
3	401	0.493	0.5	12.17
4	1,668	0.493	0.57	13.87
5	758	0.493	0.5	12.17

- 1) Minimum sizing facility is 0.04 multiplied by the impervious area per Appendix H of Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements ("Stormwater Guidance Manual").
- 2) In order to compare the 1 (one) existing DMA to the 2 (two) proposed DMA's, the existing DMA flow rate will be divided proportionally to compare.
- 3) Required runoff volume is C multiplied by 95th-Percentile Storm Rainfall Depth "P" converted to feet, multiplied by retention tributary area as defined in Post-Construction Requirements Attachment D of Stormwater Management Guidance Manual for Low Impact Development and Post-Construction Requirements ("Stormwater Guidance Manual").
- 4) Calculated drawdown time is based on the maximum ponding depth in each bioretention facility calculated as either the maximum 100-year water surface depth or the water quality retention depth of 0.5-inch.
- 5) Offsite areas 1 and 2 cannot be feasibly retained onsite therefore BMPs in DMA 4 have been oversized to treat an equivalent volume.

Appendix E – BMP Operation and Maintenance Agreement

(To be provided during Final Design)

Appendix F – Stormwater Treatment Measure Inspection Report

Stormwater Treatment Measure Operation and Maintenance Inspection Report to the City of Morgan Hill, California

This report and attached Inspection and Maintenance Checklists document the inspection and maintenance conducted for the identified stormwater treatment measure(s) subject to the Maintenance Agreement between the City of Morgan Hill and the property owner during the annual reporting period indicated below.

I. Property Information:

Property Address or APN: Butterfield Blvd and Cochrane Rd, Morgan Hill, CA 95037

Property Owner: Zach Lauterbach

II. Contact Information:

Name of person to contact regarding this report: Jay Higgins

Phone number of contact person: (972) 769-3100 Email: _____

Address to which correspondence regarding this report should be directed:

6800 Bishop Road

Plano, TX 75024

III. Reporting Period:

This report, with the attached completed inspection checklists, documents the inspections and maintenance of the identified treatment measures during the time period from _____ to _____.

IV. Stormwater Treatment Measure Information:

The following stormwater treatment measures (identified treatment measures) are located on the property identified above and are subject to the Maintenance Agreement:

Identifying Number of Treatment Measure	Type of Treatment Measure	Location of Treatment Measure on the Property
SCM #1	Bioretention Facility	Southwest of building
SCM #2	Bioretention Facility	Northeast of building

V. Summary of Inspections and Maintenance:

Summarize the following information using the attached Inspection and Maintenance Checklists:

Identifying Number of Treatment Measure	Date of Inspection	Operation and Maintenance Activities Performed and Date(s) Conducted	Additional Comments

SCM #1			
SCM #2			

VI. Sediment Removal:

Total amount of accumulated sediment removed from the stormwater treatment measure(s) during the reporting period: _____ cubic yards.

How was sediment disposed?

- ☐ landfill
- ☐ other location on-site as described in and allowed by the maintenance plan
- ☐ other, explain _____

VII. Inspector Information:

The inspections documented in the attached Inspection and Maintenance Checklists were conducted by the following inspector(s):

Inspector Name and Title	Inspector's Employer and Address

VIII. Certification:

I hereby certify, under penalty of perjury, that the information presented in this report and attachments is true and complete:

Signature of Property Owner or Other Responsible Party

Date

Type or Print Name

Company Name

Address

Phone number: _____ Email: _____

Appendix G – Maintenance Plan for Bioretention Facility

(To be provided during Final Design)

Appendix H – NOAA Rainfall Intensity



NOAA Atlas 14, Volume 6, Version 2
Location name: Morgan Hill, California, USA*
Latitude: 37.1493°, Longitude: -121.6574°
Elevation: 371.3 ft**

* source: ESRI Maps

** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	1.39 (0.846-1.66)	1.78 (1.50-2.11)	2.29 (1.94-2.74)	2.74 (2.29-3.30)	3.37 (2.71-4.24)	3.89 (3.06-5.00)	4.44 (3.38-5.88)	5.03 (3.72-6.88)	5.87 (4.14-8.42)	6.56 (4.44-9.79)
10-min	1.00 (0.846-1.19)	1.27 (1.08-1.51)	1.64 (1.39-1.96)	1.96 (1.64-2.37)	2.42 (1.95-3.04)	2.79 (2.19-3.59)	3.18 (2.43-4.21)	3.61 (2.66-4.93)	4.21 (2.96-6.04)	4.70 (3.18-7.01)
15-min	0.804 (0.684-0.960)	1.02 (0.868-1.22)	1.32 (1.12-1.58)	1.58 (1.32-1.91)	1.95 (1.57-2.45)	2.25 (1.77-2.89)	2.56 (1.96-3.40)	2.91 (2.15-3.97)	3.39 (2.39-4.87)	3.79 (2.57-5.66)
30-min	0.564 (0.478-0.670)	0.716 (0.608-0.854)	0.928 (0.784-1.11)	1.11 (0.926-1.34)	1.36 (1.10-1.71)	1.57 (1.24-2.02)	1.79 (1.37-2.37)	2.03 (1.50-2.78)	2.37 (1.67-3.40)	2.65 (1.80-3.96)
60-min	0.421 (0.357-0.500)	0.535 (0.453-0.637)	0.692 (0.585-0.827)	0.826 (0.692-0.997)	1.02 (0.820-1.28)	1.17 (0.922-1.51)	1.34 (1.02-1.77)	1.52 (1.12-2.07)	1.77 (1.25-2.54)	1.98 (1.34-2.95)
2-hr	0.322 (0.274-0.384)	0.410 (0.347-0.488)	0.529 (0.448-0.632)	0.631 (0.528-0.762)	0.776 (0.625-0.974)	0.894 (0.702-1.15)	1.02 (0.777-1.35)	1.15 (0.851-1.57)	1.34 (0.944-1.92)	1.49 (1.01-2.23)
3-hr	0.270 (0.229-0.321)	0.343 (0.291-0.408)	0.443 (0.374-0.529)	0.527 (0.442-0.637)	0.649 (0.522-0.814)	0.747 (0.586-0.960)	0.849 (0.649-1.12)	0.960 (0.710-1.31)	1.12 (0.787-1.60)	1.24 (0.842-1.86)
6-hr	0.192 (0.163-0.228)	0.244 (0.207-0.291)	0.316 (0.267-0.377)	0.376 (0.315-0.454)	0.463 (0.372-0.580)	0.532 (0.418-0.684)	0.605 (0.462-0.801)	0.684 (0.505-0.935)	0.795 (0.560-1.14)	0.885 (0.599-1.32)
12-hr	0.129 (0.109-0.153)	0.165 (0.140-0.196)	0.214 (0.181-0.255)	0.256 (0.214-0.308)	0.315 (0.254-0.395)	0.363 (0.285-0.467)	0.414 (0.316-0.548)	0.468 (0.346-0.640)	0.545 (0.384-0.782)	0.608 (0.411-0.907)
24-hr	0.084 (0.074-0.097)	0.108 (0.095-0.125)	0.141 (0.124-0.164)	0.169 (0.148-0.198)	0.209 (0.177-0.252)	0.241 (0.200-0.296)	0.275 (0.223-0.345)	0.311 (0.246-0.400)	0.361 (0.276-0.483)	0.402 (0.298-0.555)
2-day	0.053 (0.047-0.062)	0.069 (0.061-0.080)	0.090 (0.080-0.105)	0.108 (0.095-0.127)	0.133 (0.113-0.161)	0.153 (0.127-0.188)	0.174 (0.141-0.218)	0.195 (0.155-0.251)	0.225 (0.172-0.301)	0.249 (0.184-0.343)
3-day	0.040 (0.035-0.046)	0.052 (0.046-0.060)	0.068 (0.060-0.079)	0.082 (0.071-0.095)	0.100 (0.085-0.121)	0.115 (0.095-0.141)	0.130 (0.105-0.163)	0.145 (0.115-0.187)	0.167 (0.127-0.223)	0.184 (0.136-0.253)
4-day	0.033 (0.029-0.038)	0.043 (0.038-0.050)	0.056 (0.050-0.066)	0.067 (0.059-0.079)	0.083 (0.070-0.100)	0.094 (0.078-0.116)	0.106 (0.087-0.133)	0.119 (0.094-0.153)	0.136 (0.104-0.182)	0.149 (0.110-0.206)
7-day	0.023 (0.020-0.027)	0.030 (0.027-0.035)	0.040 (0.035-0.046)	0.047 (0.041-0.055)	0.057 (0.049-0.069)	0.065 (0.054-0.080)	0.073 (0.060-0.092)	0.082 (0.065-0.105)	0.093 (0.071-0.124)	0.101 (0.075-0.140)
10-day	0.018 (0.016-0.021)	0.023 (0.021-0.027)	0.031 (0.027-0.036)	0.036 (0.032-0.043)	0.044 (0.037-0.053)	0.050 (0.042-0.061)	0.056 (0.046-0.070)	0.062 (0.049-0.080)	0.070 (0.054-0.094)	0.076 (0.056-0.105)
20-day	0.011 (0.010-0.013)	0.015 (0.013-0.017)	0.020 (0.017-0.023)	0.023 (0.020-0.027)	0.028 (0.024-0.033)	0.031 (0.026-0.038)	0.035 (0.028-0.043)	0.038 (0.030-0.049)	0.042 (0.032-0.057)	0.046 (0.034-0.063)
30-day	0.009 (0.008-0.011)	0.012 (0.011-0.014)	0.016 (0.014-0.018)	0.018 (0.016-0.022)	0.022 (0.019-0.027)	0.025 (0.021-0.030)	0.027 (0.022-0.034)	0.030 (0.024-0.038)	0.033 (0.025-0.044)	0.035 (0.026-0.048)
45-day	0.008 (0.007-0.009)	0.010 (0.009-0.012)	0.013 (0.011-0.015)	0.015 (0.013-0.017)	0.018 (0.015-0.021)	0.020 (0.016-0.024)	0.022 (0.018-0.027)	0.023 (0.019-0.030)	0.026 (0.020-0.034)	0.027 (0.020-0.038)
60-day	0.007 (0.006-0.008)	0.009 (0.008-0.010)	0.011 (0.010-0.013)	0.013 (0.011-0.015)	0.015 (0.013-0.018)	0.017 (0.014-0.021)	0.018 (0.015-0.023)	0.020 (0.016-0.025)	0.022 (0.016-0.029)	0.023 (0.017-0.031)

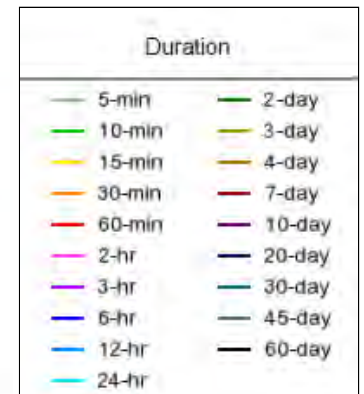
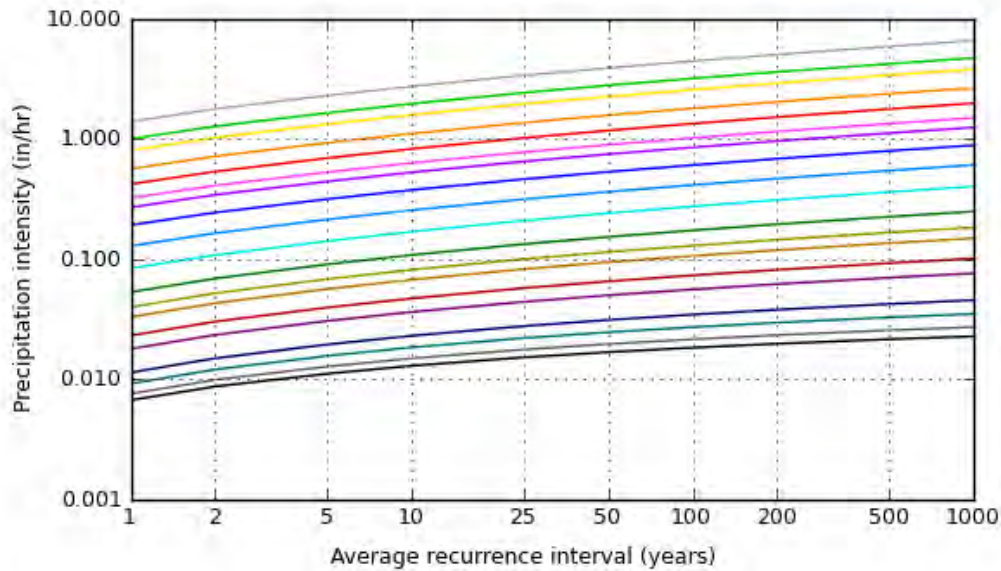
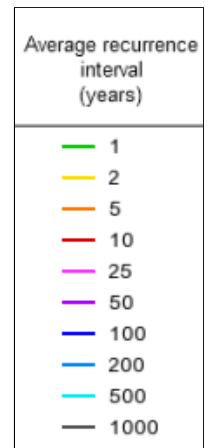
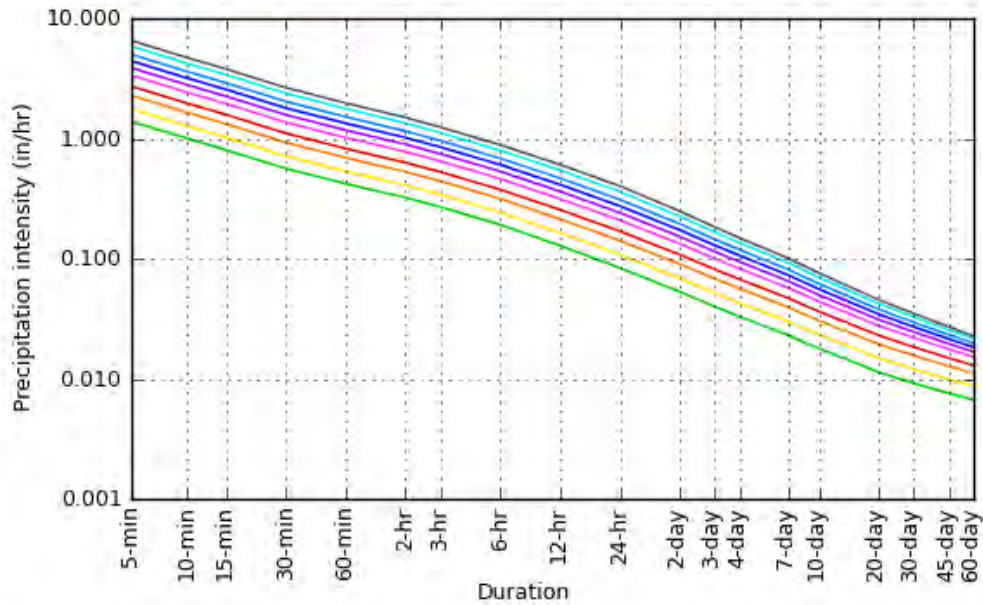
¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).
 Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.
 Please refer to NOAA Atlas 14 document for more information.

[Back to Top](#)

PF graphical

PDS-based intensity-duration-frequency (IDF) curves

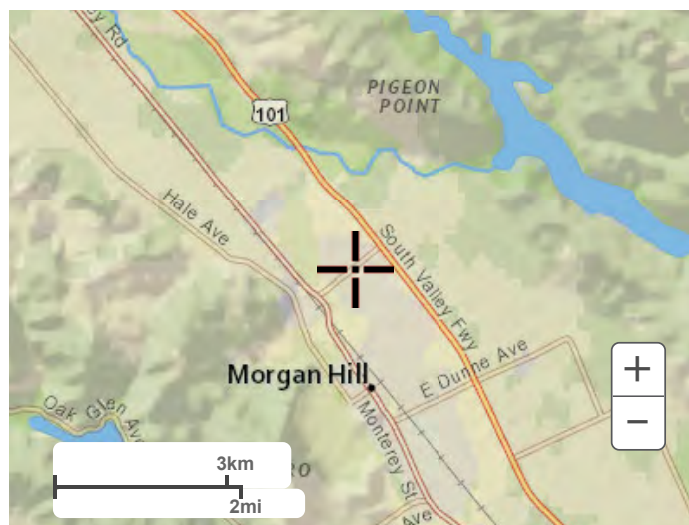
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NOAA Atlas 14, Volume 6, Version 2

Created (GMT): Thu Feb 2 22:54:49 2023

[Back to Top](#)**Maps & aeriels****Small scale terrain**



Large scale terrain



Large scale map



Large scale aerial

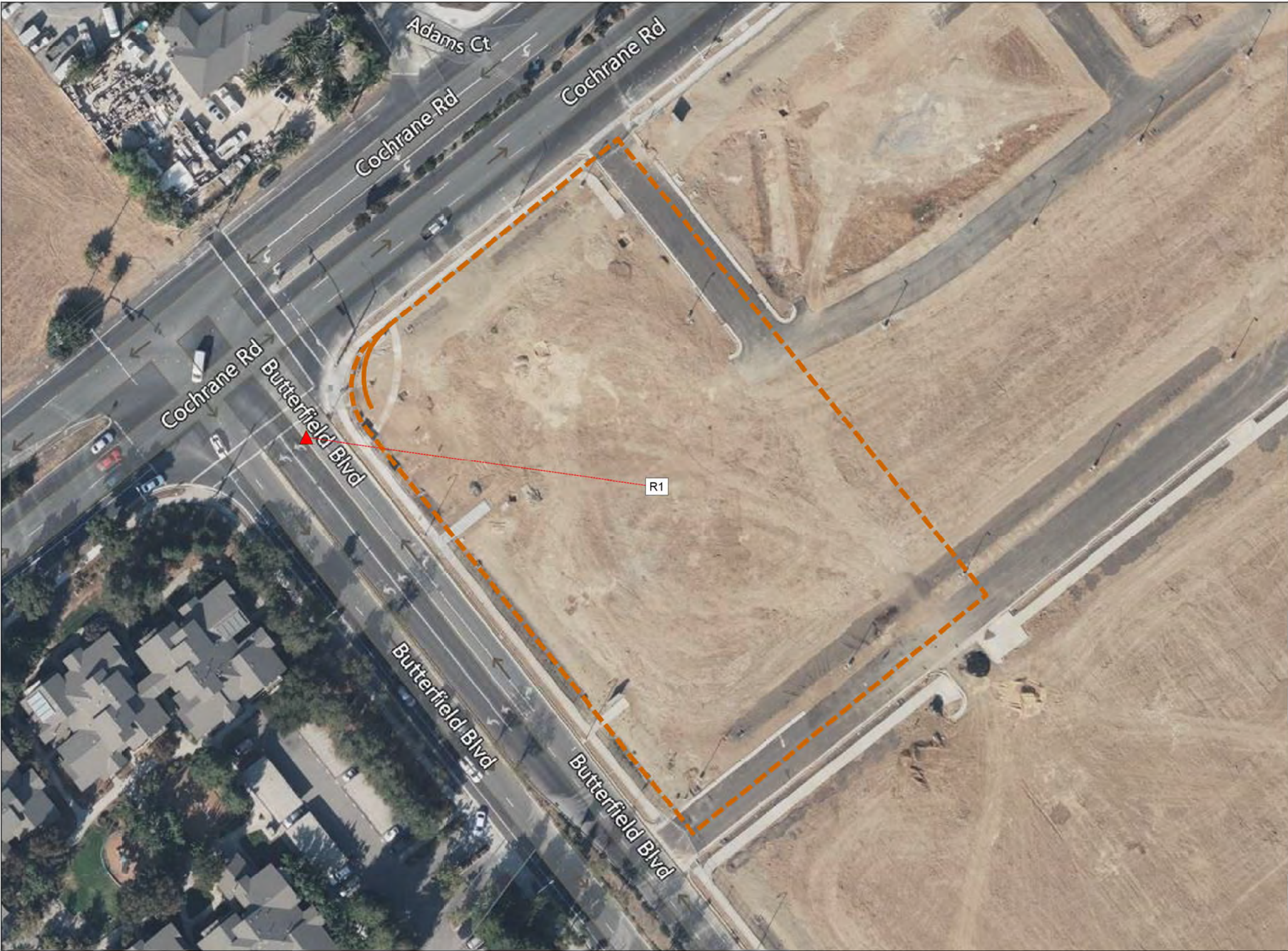


[Back to Top](#)

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[National Weather Service](#)
[National Water Center](#)
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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Appendix I – Drainage Calculations



Legend

Drainage Areas

Vicinity Map

100 ft

N

Kimley»Horn
Expect More. Experience Better.

Rasing Cane's
Butterfield and Cochrane Road

Existing Condition:
PCSWMM Key Map

Job Number: 197445015

Drawn By: LAC

Checked By: BY

Figure 1

Sheet 1 of 3

PCSWMM Report

Existing 2-Yr
Model RC_Existing.inp

December 7, 2023

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
R1	SCS Dimensionless UH	California_Type_1_2-yr	1.945	54.88	0.5	14	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
R1	5	SCS CN	74	1.7	0.427	0.023	0.107	0.251

PCSWMM Report

Existing 10-Yr
Model RC_Existing.inp

December 7, 2023

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
R1	SCS Dimensionless UH	California_Type_1_10-yr	1.945	54.88	0.5	14	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
R1	5	SCS CN	74	4.42	2.262	0.119	0.754	0.512

PCSWMM Report

Existing 25-Yr
Model RC_Existing.inp

December 7, 2023

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
R1	SCS Dimensionless UH	California_Type_1_25-Yr	1.945	54.88	0.5	14	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
R1	5	SCS CN	74	5.24	2.932	0.155	0.988	0.559

PCSWMM Report

Existing 100-Yr
Model RC_Existing.inp

December 7, 2023

Table of Contents

Tables

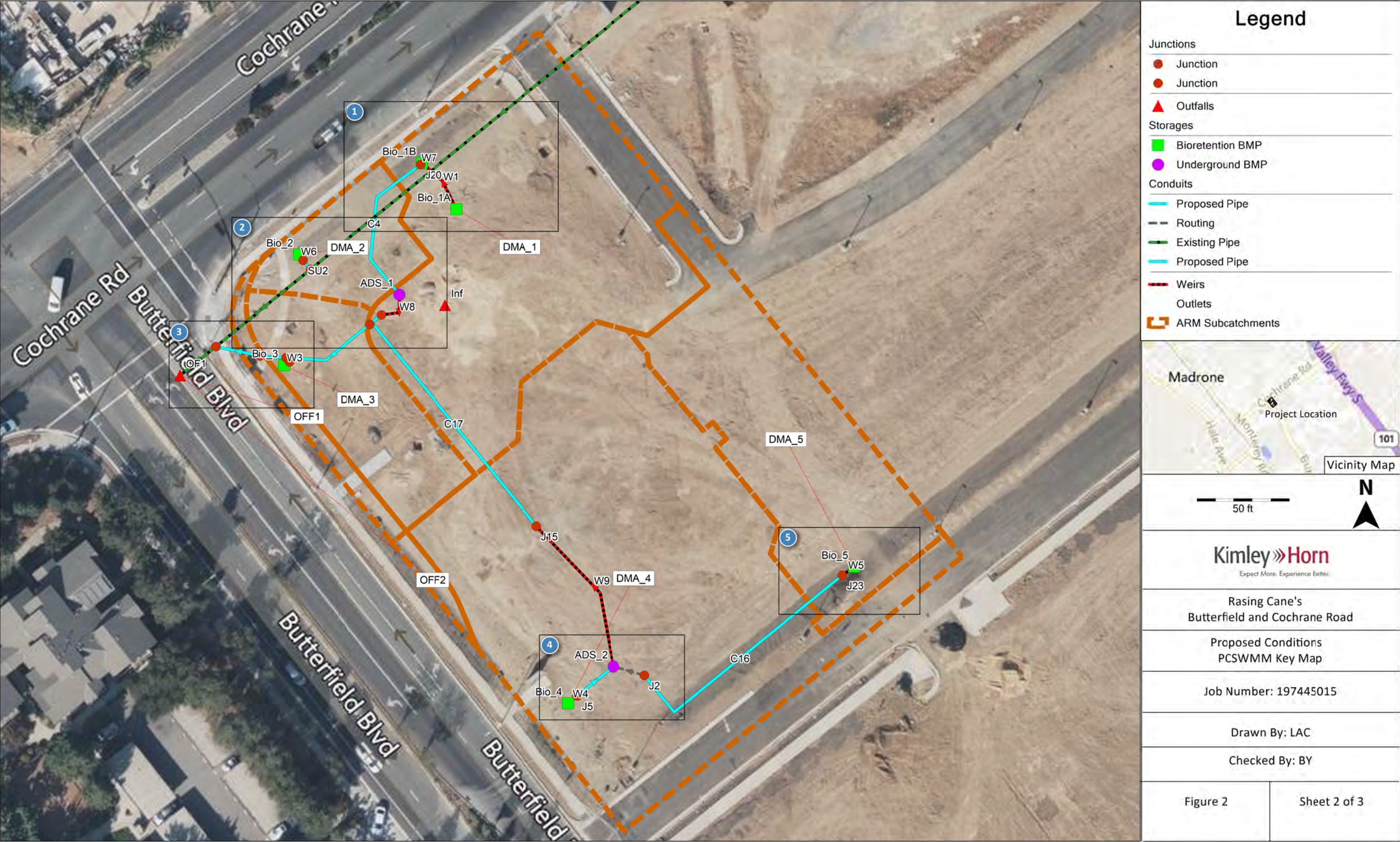
Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
R1	SCS Dimensionless UH	California_Type_1_100-Yr	1.945	54.88	0.5	14	User entered value

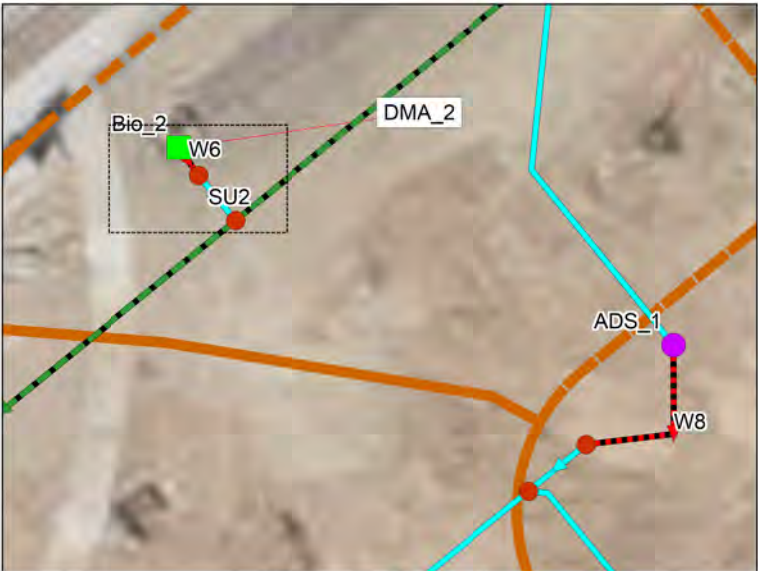
Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
R1	5	SCS CN	74	6.5	4.014	0.212	1.359	0.618





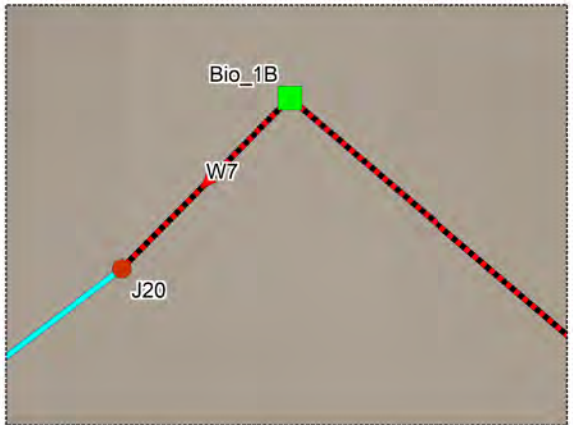
Detail 1



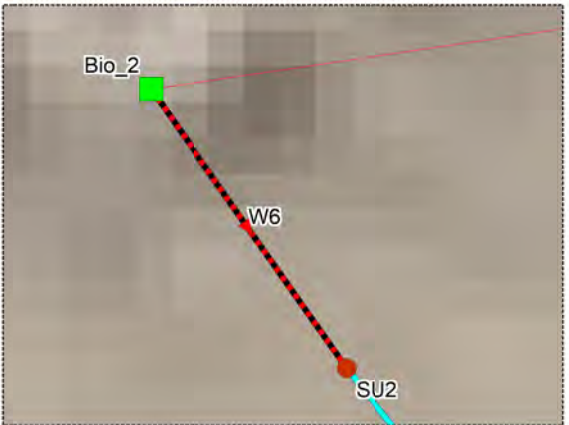
Detail 2



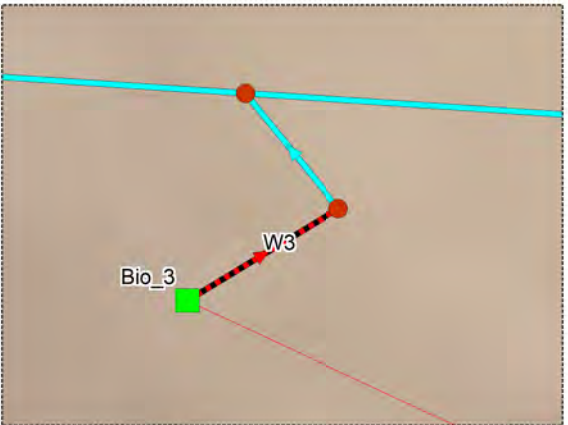
Detail 3



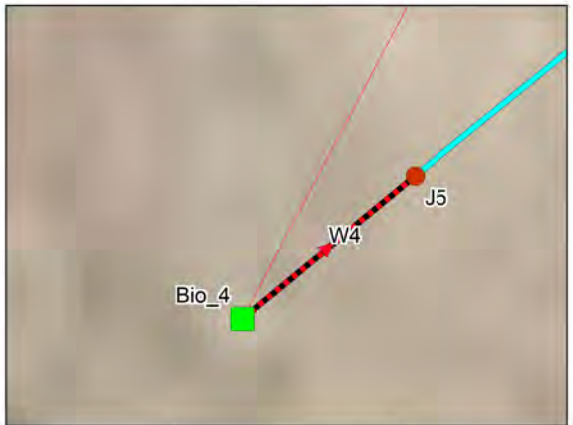
Detail 1A



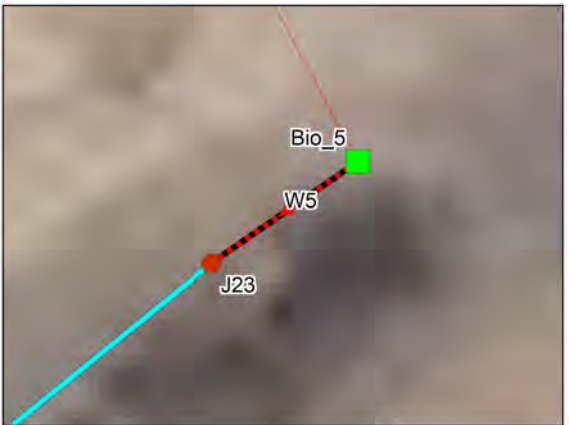
Detail 2A



Detail 3A



Detail 4



Detail 5

Legend

- ▲ Outfalls
- Overflow Inlet
- ▨ Drainage Areas

Vicinity Map

5 ft

N

Kimley»Horn
Expect More. Experience Better.

Rasing Cane's
Butterfield and Cochrane Road

Proposed Conditions
PCSWMM Key Map

Job Number: 197445015

Drawn By: LAC

Checked By: BY

Figure 3	Sheet 3 of 3
----------	--------------

PCSWMM Report

Proposed_2Yr
Model RC_Proposed.inp

Kimley-Horn and Associates Inc.
March 15, 2024

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3
Table 2: Junctions	3
Table 3: Outfalls	4
Table 4: Storages	4
Table 5A: Conduits	4
Table 5B: Conduits	5
Table 6: Overflow Inlets	6
Table 7: Soil Media Filtration	6

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
DMA_5	SCS Dimensionless UH	California_Type_1_2-yr	0.311	27.077	0.5	26	User entered value
DMA_1	SCS Dimensionless UH	California_Type_1_2-yr	0.527	45.93	0.5	70	User entered value
DMA_2	SCS Dimensionless UH	California_Type_1_2-yr	0.095	8.303	0.5	38	User entered value
DMA_4	SCS Dimensionless UH	California_Type_1_2-yr	0.803	69.931	0.5	76	User entered value
DMA_3	SCS Dimensionless UH	California_Type_1_2-yr	0.159	13.861	0.5	60	User entered value
OFF1	SCS Dimensionless UH	California_Type_1_2-yr	0.037	20	0.5	24	User entered value
OFF2	SCS Dimensionless UH	California_Type_1_2-yr	0.013	20	0.5	0	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
DMA_5	5	SCS CN	75	3.09	1.558	0.013	0.078	0.504
DMA_1	5	SCS CN	84	3.09	2.64	0.038	0.217	0.854
DMA_2	5	SCS CN	77	3.09	1.877	0.005	0.029	0.607
DMA_4	5	SCS CN	84	3.09	2.73	0.06	0.339	0.884
DMA_3	5	SCS CN	79	3.09	2.356	0.01	0.059	0.763
OFF1	5	SCS CN	75	3.09	1.517	0.002	0.009	0.491
OFF2	5	SCS CN	74	3.09	0.965	0	0.002	0.312

Table 2: Junctions

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J1	356.62	0	0.07	356.69	0.07	0	0.06
J11	355.49	0	0	355.49	0	0	0
J13	356.9	0	0.07	356.97	0.07	0	0.06
J15	358.626	0	0	358.63	0	0	0
J17	357.92	0	0.23	358.15	0.23	0	0.06
J18	357.92	0	0.23	358.15	0.23	0	0.06
J2	359.27	0	0	359.27	0	0	0
J20	360.8	0	0.1	360.9	0.1	0	0.06
J23	359.976	0	0	359.98	0	0	0
J25	356	0	0	356	0	0	0
J26	355.35	0	0.1	355.45	0.1	0	0.06

Table 2: Junctions (continued...)

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J4	357.63	0	0	357.63	0	0	0
J5	358.76	0	0.12	358.88	0.12	0	0.11
SU2	357.52	0	0	357.52	0	0	0

Table 3: Outfalls

Name	Invert Elev. (ft)	Rim Elev. (ft)	Type	Fixed Stage (ft)	Max. Depth (ft)	Max. HGL (ft)	Max. Total Inflow (cfs)	Max. Flow (cfs)
Inf	357.52	364.1	FREE	0	0	357.52	0.08	0.08
OF1	355.3	363.94	NORMAL	0	0.09	355.39	0.06	0.06

Table 4: Storages

Name	Type	Invert Elev. (ft)	Rim Elev. (ft)	Storage Curve	Curve Name	Max. Depth (ft)	Max. HGL (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Max. Volume (1000 ft³)	Max. Percent Full (%)
ADS_1	Underground	357.92	364.41	TABULAR	ADS_1	2.87	360.79	0	0.06	0.099	84.5
ADS_2	Underground	358.627	362.66	TABULAR	ADS4Temp	1.18	359.81	0	0.11	1.768	50.3
Bio_1A	Bioretention	358.75	363.75	TABULAR	DMA_1A	4.89	363.64	0.22	0.22	1.005	95.5
Bio_1B	Bioretention	358.34	363.75	TABULAR	DMA_1B	4.84	363.18	0	0.21	1.622	79.8
Bio_2	Bioretention	359	364.1	TABULAR	DMA_2	4.19	363.19	0.03	0.03	0.389	63.5
Bio_3	Bioretention	358.75	363.9	TABULAR	DMA_3	4.92	363.67	0.06	0.06	0.929	91.1
Bio_4	Bioretention	357.42	362.5	TABULAR	DMA_4	4.66	362.08	0.34	0.34	3.429	83
Bio_5	Bioretention	358.77	363.35	TABULAR	DMA_5	4.03	362.8	0.08	0.08	0.998	72.1

Table 5A: Conduits

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C8	J17	J18		8.085	0.01	0	0	0.5	CIRCULAR	1	0	0
C7	J13	J1		14.302	0.01	0	0	0.5	CIRCULAR	1	0	0
C6	SU2	J11		6.36	0.01	0	0	0.5	CIRCULAR	0.5	0	0
C5_1	J18	J13		52.111	0.01	0	0	0.5	CIRCULAR	1	0	0
C5	J2	ADS_2		17.468	0.01	0	0	0	DUMMY	0	0	0
C4	J20	ADS_1		87.383	0.01	0	2.44	0.5	CIRCULAR	0.667	0	0
C25	J4	J13		2.888	0.01	0	0	0.5	CIRCULAR	0.667	0	0

Table 5A: Conduits (continued...)

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C21	J26	OF1		24.735	0.013	0	0	0.5	CIRCULAR	4	0	0
C20	J11	J26		65.852	0.013	0	0.05	0.5	CIRCULAR	4	0	0
C18	J25	J11		267.105	0.013	0	0	0.5	CIRCULAR	4	0	0
C17	J15	J18		141.727	0.01	0	0	0.5	CIRCULAR	1	0	0
C16	J23	J2		142.332	0.01	0	0	0.5	CIRCULAR	0.667	0	0
C15	J5	ADS_2		25.157	0.01	0	0	0.5	CIRCULAR	1	0	0
C14	J1	J26		24.296	0.01	0	0.05	0.5	CIRCULAR	1.25	0	0

Table 5B: Conduits

Name	Geom4	Barrels	Culvert Code	Street	Slope (ft/ft)	Max. Flow (cfs)	Max. Velocity (ft/s)	Max / Full Depth
C8	0	1			0	0.06	0.43	0.23
C7	0	1			0.01958	0.06	2.54	0.07
C6	0	1			0.3368	0	0	0
C5_1	0	1			0.01958	0.06	2.54	0.07
C5	0	1			0.03684	0	0	0
C4	0	1			0.00504	0.06	1.69	0.16
C25	0	1			0.26125	0	0	0
C21	0	1			0.00202	0.06	0.79	0.02
C20	0	1			0.00137	0	0	0
C18	0	1			0.00191	0	0	0
C17	0	1			0.00498	0	0	0
C16	0	1			0.00496	0	0	0
C15	0	1			0.00529	0.11	1.96	0.12
C14	0	1			0.05028	0.06	3.43	0.04

Table 6: Overflow Inlets

Name	Inlet Node	Outlet Node	Type	Length (ft)	Inlet Offset (ft)	Discharge Coeff. (CFS)	Max. Flow (cfs)
W1	Bio_1A	Bio_1B	TRANSVERSE	4	4.83	3.33	0.21
W3	Bio_3	J4	TRANSVERSE	4	5	3.33	0
W4	Bio_4	J5	TRANSVERSE	0.5	4.5	3.33	0.11
W5	Bio_5	J23	TRANSVERSE	4	4.5	3.33	0
W6	BIO_2	SU2	TRANSVERSE	0.25	4.8	3.33	0
W7	Bio_1B	J20	TRANSVERSE	2	4.8	3.33	0.06
W8	ADS_1	J17	TRANSVERSE	1	2.8	3.33	0.06
W9	ADS_2	J15	TRANSVERSE	5	3.9	3.33	0

Table 7: Soil Media Filtration

Name	Inlet Node	Outlet Node	Rating Curve	Curve Name	Max. Flow (cfs)
OL1	Bio_2	Inf	TABULAR/DEPTH	Out_Bio_2	0
OL2	ADS_1	Inf	TABULAR/DEPTH	Out_ADS_1	0
OL3	Bio_1A	Inf	TABULAR/DEPTH	Out_Bio_1A	0.01
OL4	Bio_1B	Inf	TABULAR/DEPTH	Out_Bio_1B	0.01
OL5	Bio_3	Inf	TABULAR/DEPTH	Out_Bio_3	0.01
OL6	Bio_4	Inf	TABULAR/DEPTH	Out_Bio_4	0.02
OL7	Bio_5	Inf	TABULAR/DEPTH	Out_Bio_5	0.01
OL8	ADS_2	Inf	TABULAR/DEPTH	Out_ADS_4	0.03

PCSWMM Report

Proposed_10Yr
Model RC_Proposed.inp

Kimley-Horn and Associates Inc.
March 15, 2024

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3
Table 2: Junctions	3
Table 3: Outfalls	4
Table 4: Storages	4
Table 5A: Conduits	4
Table 5B: Conduits	5
Table 6: Overflow Inlets	6
Table 7: Soil Media Filtration	6

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
DMA_5	SCS Dimensionless UH	California_Type_1_10-yr	0.311	27.077	0.5	26	User entered value
DMA_1	SCS Dimensionless UH	California_Type_1_10-yr	0.527	45.93	0.5	70	User entered value
DMA_2	SCS Dimensionless UH	California_Type_1_10-yr	0.095	8.303	0.5	38	User entered value
DMA_4	SCS Dimensionless UH	California_Type_1_10-yr	0.803	69.931	0.5	76	User entered value
DMA_3	SCS Dimensionless UH	California_Type_1_10-yr	0.159	13.861	0.5	60	User entered value
OFF1	SCS Dimensionless UH	California_Type_1_10-yr	0.037	20	0.5	24	User entered value
OFF2	SCS Dimensionless UH	California_Type_1_10-yr	0.013	20	0.5	0	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
DMA_5	5	SCS CN	75	4.42	2.62	0.022	0.136	0.593
DMA_1	5	SCS CN	84	4.42	3.918	0.056	0.323	0.886
DMA_2	5	SCS CN	77	4.42	3.01	0.008	0.047	0.681
DMA_4	5	SCS CN	84	4.42	4.017	0.088	0.501	0.909
DMA_3	5	SCS CN	79	4.42	3.576	0.015	0.09	0.809
OFF1	5	SCS CN	75	4.42	2.572	0.003	0.016	0.582
OFF2	5	SCS CN	74	4.42	1.911	0.001	0.004	0.432

Table 2: Junctions

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J1	356.62	0	0.14	356.76	0.14	0	0.29
J11	355.49	0	0.05	355.54	0.05	0	0.01
J13	356.9	0	0.14	357.04	0.14	0	0.29
J15	358.626	0	0.13	358.76	0.13	0	0.12
J17	357.92	0	0.53	358.45	0.53	0	0.29
J18	357.92	0	0.53	358.45	0.53	0	0.29
J2	359.27	0	0.09	359.36	0.09	0	0.04
J20	360.8	0	0.23	361.03	0.23	0	0.29
J23	359.976	0	0.09	360.07	0.09	0	0.04
J25	356	0	0	356	0	0	0
J26	355.35	0	0.19	355.54	0.19	0	0.29

Table 2: Junctions (continued...)

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J4	357.63	0	0.03	357.66	0.03	0	0.03
J5	358.76	0	0.22	358.98	0.22	0	0.35
SU2	357.52	0	0.02	357.54	0.02	0	0.01

Table 3: Outfalls

Name	Invert Elev. (ft)	Rim Elev. (ft)	Type	Fixed Stage (ft)	Max. Depth (ft)	Max. HGL (ft)	Max. Total Inflow (cfs)	Max. Flow (cfs)
Inf	357.52	364.1	FREE	0	0	357.52	0.08	0.08
OF1	355.3	363.94	NORMAL	0	0.19	355.49	0.3	0.3

Table 4: Storages

Name	Type	Invert Elev. (ft)	Rim Elev. (ft)	Storage Curve	Curve Name	Max. Depth (ft)	Max. HGL (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Max. Volume (1000 ft³)	Max. Percent Full (%)
ADS_1	Underground	357.92	364.41	TABULAR	ADS_1	2.99	360.91	0	0.29	0.1	85.1
ADS_2	Underground	358.627	362.66	TABULAR	ADS4Temp	3.94	362.56	0	0.35	3.511	100
Bio_1A	Bioretention	358.75	363.75	TABULAR	DMA_1A	4.91	363.66	0.32	0.32	1.014	96.3
Bio_1B	Bioretention	358.34	363.75	TABULAR	DMA_1B	4.92	363.26	0	0.31	1.68	82.7
Bio_2	Bioretention	359	364.1	TABULAR	DMA_2	4.86	363.86	0.05	0.05	0.552	90.2
Bio_3	Bioretention	358.75	363.9	TABULAR	DMA_3	5.02	363.77	0.09	0.09	0.965	94.8
Bio_4	Bioretention	357.42	362.5	TABULAR	DMA_4	4.85	362.27	0.5	0.5	3.747	90.7
Bio_5	Bioretention	358.77	363.35	TABULAR	DMA_5	4.52	363.29	0.14	0.14	1.343	97.1

Table 5A: Conduits

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C8	J17	J18		8.085	0.01	0	0	0.5	CIRCULAR	1	0	0
C7	J13	J1		14.302	0.01	0	0	0.5	CIRCULAR	1	0	0
C6	SU2	J11		6.36	0.01	0	0	0.5	CIRCULAR	0.5	0	0
C5_1	J18	J13		52.111	0.01	0	0	0.5	CIRCULAR	1	0	0
C5	J2	ADS_2		17.468	0.01	0	0	0	DUMMY	0	0	0
C4	J20	ADS_1		87.383	0.01	0	2.44	0.5	CIRCULAR	0.667	0	0
C25	J4	J13		2.888	0.01	0	0	0.5	CIRCULAR	0.667	0	0

Table 5A: Conduits (continued...)

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C21	J26	OF1		24.735	0.013	0	0	0.5	CIRCULAR	4	0	0
C20	J11	J26		65.852	0.013	0	0.05	0.5	CIRCULAR	4	0	0
C18	J25	J11		267.105	0.013	0	0	0.5	CIRCULAR	4	0	0
C17	J15	J18		141.727	0.01	0	0	0.5	CIRCULAR	1	0	0
C16	J23	J2		142.332	0.01	0	0	0.5	CIRCULAR	0.667	0	0
C15	J5	ADS_2		25.157	0.01	0	0	0.5	CIRCULAR	1	0	0
C14	J1	J26		24.296	0.01	0	0.05	0.5	CIRCULAR	1.25	0	0

Table 5B: Conduits

Name	Geom4	Barrels	Culvert Code	Street	Slope (ft/ft)	Max. Flow (cfs)	Max. Velocity (ft/s)	Max / Full Depth
C8	0	1			0	0.29	0.67	0.53
C7	0	1			0.01958	0.29	4.16	0.14
C6	0	1			0.3368	0.01	4.56	0.04
C5_1	0	1			0.01958	0.29	4.16	0.14
C5	0	1			0.03684	0.04	0	0
C4	0	1			0.00504	0.29	2.68	0.35
C25	0	1			0.26125	0.03	5.31	0.04
C21	0	1			0.00202	0.29	1.27	0.05
C20	0	1			0.00137	0.01	0.38	0.01
C18	0	1			0.00191	0	0	0
C17	0	1			0.00498	0.12	1.98	0.13
C16	0	1			0.00496	0.04	1.59	0.13
C15	0	1			0.00529	0.35	2.76	0.22
C14	0	1			0.05028	0.29	5.6	0.09

Table 6: Overflow Inlets

Name	Inlet Node	Outlet Node	Type	Length (ft)	Inlet Offset (ft)	Discharge Coeff. (CFS)	Max. Flow (cfs)
W1	Bio_1A	Bio_1B	TRANSVERSE	4	4.83	3.33	0.31
W3	Bio_3	J4	TRANSVERSE	4	5	3.33	0.03
W4	Bio_4	J5	TRANSVERSE	0.5	4.5	3.33	0.35
W5	Bio_5	J23	TRANSVERSE	4	4.5	3.33	0.04
W6	BIO_2	SU2	TRANSVERSE	0.25	4.8	3.33	0.01
W7	Bio_1B	J20	TRANSVERSE	2	4.8	3.33	0.29
W8	ADS_1	J17	TRANSVERSE	1	2.8	3.33	0.29
W9	ADS_2	J15	TRANSVERSE	5	3.9	3.33	0.12

Table 7: Soil Media Filtration

Name	Inlet Node	Outlet Node	Rating Curve	Curve Name	Max. Flow (cfs)
OL1	Bio_2	Inf	TABULAR/DEPTH	Out_Bio_2	0
OL2	ADS_1	Inf	TABULAR/DEPTH	Out_ADS_1	0
OL3	Bio_1A	Inf	TABULAR/DEPTH	Out_Bio_1A	0.01
OL4	Bio_1B	Inf	TABULAR/DEPTH	Out_Bio_1B	0.01
OL5	Bio_3	Inf	TABULAR/DEPTH	Out_Bio_3	0.01
OL6	Bio_4	Inf	TABULAR/DEPTH	Out_Bio_4	0.02
OL7	Bio_5	Inf	TABULAR/DEPTH	Out_Bio_5	0.01
OL8	ADS_2	Inf	TABULAR/DEPTH	Out_ADS_4	0.03

PCSWMM Report

Proposed_25Yr
Model RC_Proposed.inp

Kimley-Horn and Associates Inc.
March 15, 2024

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3
Table 2: Junctions	3
Table 3: Outfalls	4
Table 4: Storages	4
Table 5A: Conduits	4
Table 5B: Conduits	5
Table 6: Overflow Inlets	6
Table 7: Soil Media Filtration	6

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
DMA_5	SCS Dimensionless UH	California_Type_1_25-Yr	0.311	27.077	0.5	26	User entered value
DMA_1	SCS Dimensionless UH	California_Type_1_25-Yr	0.527	45.93	0.5	70	User entered value
DMA_2	SCS Dimensionless UH	California_Type_1_25-Yr	0.095	8.303	0.5	38	User entered value
DMA_4	SCS Dimensionless UH	California_Type_1_25-Yr	0.803	69.931	0.5	76	User entered value
DMA_3	SCS Dimensionless UH	California_Type_1_25-Yr	0.159	13.861	0.5	60	User entered value
OFF1	SCS Dimensionless UH	California_Type_1_25-Yr	0.037	20	0.5	24	User entered value
OFF2	SCS Dimensionless UH	California_Type_1_25-Yr	0.013	20	0.5	0	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
DMA_5	5	SCS CN	75	5.24	3.32	0.028	0.174	0.634
DMA_1	5	SCS CN	84	5.24	4.715	0.067	0.389	0.9
DMA_2	5	SCS CN	77	5.24	3.744	0.01	0.059	0.714
DMA_4	5	SCS CN	84	5.24	4.82	0.105	0.601	0.92
DMA_3	5	SCS CN	79	5.24	4.349	0.019	0.11	0.83
OFF1	5	SCS CN	75	5.24	3.268	0.003	0.02	0.624
OFF2	5	SCS CN	74	5.24	2.556	0.001	0.006	0.488

Table 2: Junctions

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J1	356.62	0	0.17	356.79	0.17	0	0.4
J11	355.49	0	0.06	355.55	0.06	0	0.02
J13	356.9	0	0.17	357.07	0.17	0	0.4
J15	358.626	0	0.19	358.81	0.18	0	0.25
J17	357.92	0	0.6	358.52	0.6	0	0.35
J18	357.92	0	0.6	358.52	0.6	0	0.37
J2	359.27	0	0.11	359.38	0.11	0	0.06
J20	360.8	0	0.26	361.06	0.26	0	0.35
J23	359.976	0	0.11	360.08	0.11	0	0.06
J25	356	0	0	356	0	0	0
J26	355.35	0	0.23	355.58	0.23	0	0.41

Table 2: Junctions (continued...)

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J4	357.63	0	0.04	357.67	0.04	0	0.06
J5	358.76	0	0.24	359	0.24	0	0.43
SU2	357.52	0	0.02	357.54	0.02	0	0.02

Table 3: Outfalls

Name	Invert Elev. (ft)	Rim Elev. (ft)	Type	Fixed Stage (ft)	Max. Depth (ft)	Max. HGL (ft)	Max. Total Inflow (cfs)	Max. Flow (cfs)
Inf	357.52	364.1	FREE	0	0	357.52	0.08	0.08
OF1	355.3	363.94	NORMAL	0	0.23	355.53	0.42	0.42

Table 4: Storages

Name	Type	Invert Elev. (ft)	Rim Elev. (ft)	Storage Curve	Curve Name	Max. Depth (ft)	Max. HGL (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Max. Volume (1000 ft³)	Max. Percent Full (%)
ADS_1	Underground	357.92	364.41	TABULAR	ADS_1	3.02	360.94	0	0.35	0.1	85.2
ADS_2	Underground	358.627	362.66	TABULAR	ADS4Temp	3.96	362.59	0	0.43	3.511	100
Bio_1A	Bioretention	358.75	363.75	TABULAR	DMA_1A	4.92	363.67	0.39	0.39	1.019	96.8
Bio_1B	Bioretention	358.34	363.75	TABULAR	DMA_1B	4.94	363.28	0	0.38	1.692	83.3
Bio_2	Bioretention	359	364.1	TABULAR	DMA_2	4.87	363.87	0.06	0.06	0.556	91
Bio_3	Bioretention	358.75	363.9	TABULAR	DMA_3	5.03	363.78	0.11	0.11	0.97	95.2
Bio_4	Bioretention	357.42	362.5	TABULAR	DMA_4	4.9	362.32	0.6	0.6	3.835	92.9
Bio_5	Bioretention	358.77	363.35	TABULAR	DMA_5	4.53	363.3	0.17	0.17	1.347	97.4

Table 5A: Conduits

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C8	J17	J18		8.085	0.01	0	0	0.5	CIRCULAR	1	0	0
C7	J13	J1		14.302	0.01	0	0	0.5	CIRCULAR	1	0	0
C6	SU2	J11		6.36	0.01	0	0	0.5	CIRCULAR	0.5	0	0
C5_1	J18	J13		52.111	0.01	0	0	0.5	CIRCULAR	1	0	0
C5	J2	ADS_2		17.468	0.01	0	0	0	DUMMY	0	0	0
C4	J20	ADS_1		87.383	0.01	0	2.44	0.5	CIRCULAR	0.667	0	0
C25	J4	J13		2.888	0.01	0	0	0.5	CIRCULAR	0.667	0	0

Table 5A: Conduits (continued...)

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C21	J26	OF1		24.735	0.013	0	0	0.5	CIRCULAR	4	0	0
C20	J11	J26		65.852	0.013	0	0.05	0.5	CIRCULAR	4	0	0
C18	J25	J11		267.105	0.013	0	0	0.5	CIRCULAR	4	0	0
C17	J15	J18		141.727	0.01	0	0	0.5	CIRCULAR	1	0	0
C16	J23	J2		142.332	0.01	0	0	0.5	CIRCULAR	0.667	0	0
C15	J5	ADS_2		25.157	0.01	0	0	0.5	CIRCULAR	1	0	0
C14	J1	J26		24.296	0.01	0	0.05	0.5	CIRCULAR	1.25	0	0

Table 5B: Conduits

Name	Geom4	Barrels	Culvert Code	Street	Slope (ft/ft)	Max. Flow (cfs)	Max. Velocity (ft/s)	Max / Full Depth
C8	0	1			0	0.35	0.7	0.6
C7	0	1			0.01958	0.4	4.59	0.17
C6	0	1			0.3368	0.02	5.17	0.05
C5_1	0	1			0.01958	0.37	4.47	0.16
C5	0	1			0.03684	0.06	0	0
C4	0	1			0.00504	0.35	2.83	0.39
C25	0	1			0.26125	0.06	6.78	0.06
C21	0	1			0.00202	0.41	1.43	0.06
C20	0	1			0.00137	0.02	0.46	0.01
C18	0	1			0.00191	0	0	0
C17	0	1			0.00498	0.24	2.44	0.18
C16	0	1			0.00496	0.06	1.72	0.16
C15	0	1			0.00529	0.43	2.94	0.24
C14	0	1			0.05028	0.4	6.26	0.1

Table 6: Overflow Inlets

Name	Inlet Node	Outlet Node	Type	Length (ft)	Inlet Offset (ft)	Discharge Coeff. (CFS)	Max. Flow (cfs)
W1	Bio_1A	Bio_1B	TRANSVERSE	4	4.83	3.33	0.38
W3	Bio_3	J4	TRANSVERSE	4	5	3.33	0.06
W4	Bio_4	J5	TRANSVERSE	0.5	4.5	3.33	0.43
W5	Bio_5	J23	TRANSVERSE	4	4.5	3.33	0.06
W6	BIO_2	SU2	TRANSVERSE	0.25	4.8	3.33	0.02
W7	Bio_1B	J20	TRANSVERSE	2	4.8	3.33	0.35
W8	ADS_1	J17	TRANSVERSE	1	2.8	3.33	0.35
W9	ADS_2	J15	TRANSVERSE	5	3.9	3.33	0.25

Table 7: Soil Media Filtration

Name	Inlet Node	Outlet Node	Rating Curve	Curve Name	Max. Flow (cfs)
OL1	Bio_2	Inf	TABULAR/DEPTH	Out_Bio_2	0
OL2	ADS_1	Inf	TABULAR/DEPTH	Out_ADS_1	0
OL3	Bio_1A	Inf	TABULAR/DEPTH	Out_Bio_1A	0.01
OL4	Bio_1B	Inf	TABULAR/DEPTH	Out_Bio_1B	0.01
OL5	Bio_3	Inf	TABULAR/DEPTH	Out_Bio_3	0.01
OL6	Bio_4	Inf	TABULAR/DEPTH	Out_Bio_4	0.02
OL7	Bio_5	Inf	TABULAR/DEPTH	Out_Bio_5	0.01
OL8	ADS_2	Inf	TABULAR/DEPTH	Out_ADS_4	0.03

PCSWMM Report

Proposed_100Yr
Model RC_Proposed.inp

Kimley-Horn and Associates Inc.
March 15, 2024

Table of Contents

Tables

Table 1A: Drainage Areas	3
Table 1B: Drainage Areas	3
Table 2: Junctions	3
Table 3: Outfalls	4
Table 4: Storages	4
Table 5A: Conduits	4
Table 5B: Conduits	5
Table 6: Overflow Inlets	6
Table 7: Soil Media Filtration	6

Table 1A: Drainage Areas

Name	Runoff Method	Rain Gage	Area (ac)	Flow Length (ft)	Slope (%)	Imperv. (%)	TC Method
DMA_5	SCS Dimensionless UH	California_Type_1_100-Yr	0.311	27.077	0.5	26	User entered value
DMA_1	SCS Dimensionless UH	California_Type_1_100-Yr	0.527	45.93	0.5	70	User entered value
DMA_2	SCS Dimensionless UH	California_Type_1_100-Yr	0.095	8.303	0.5	38	User entered value
DMA_4	SCS Dimensionless UH	California_Type_1_100-Yr	0.803	69.931	0.5	76	User entered value
DMA_3	SCS Dimensionless UH	California_Type_1_100-Yr	0.159	13.861	0.5	60	User entered value
OFF1	SCS Dimensionless UH	California_Type_1_100-Yr	0.037	20	0.5	24	User entered value
OFF2	SCS Dimensionless UH	California_Type_1_100-Yr	0.013	20	0.5	0	User entered value

Table 1B: Drainage Areas

Name	Time of Concentration (min)	Loss Method	SCS Curve Number	Precipitation (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient
DMA_5	5	SCS CN	75	6.5	4.437	0.037	0.234	0.683
DMA_1	5	SCS CN	84	6.5	5.949	0.085	0.491	0.915
DMA_2	5	SCS CN	77	6.5	4.901	0.013	0.077	0.754
DMA_4	5	SCS CN	84	6.5	6.062	0.132	0.756	0.933
DMA_3	5	SCS CN	79	6.5	5.553	0.024	0.14	0.854
OFF1	5	SCS CN	75	6.5	4.381	0.004	0.028	0.674
OFF2	5	SCS CN	74	6.5	3.609	0.001	0.008	0.555

Table 2: Junctions

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J1	356.62	0	0.3	356.92	0.3	0	1.27
J11	355.49	0	0.09	355.58	0.09	0	0.05
J13	356.9	0	0.3	357.2	0.3	0	1.27
J15	358.626	0	0.33	358.95	0.32	0	0.76
J17	357.92	0	0.72	358.64	0.72	0	0.45
J18	357.92	0	0.72	358.64	0.72	0	1.16
J2	359.27	0	0.2	359.47	0.2	0	0.22
J20	360.8	0	0.29	361.09	0.29	0	0.45
J23	359.976	0	0.2	360.18	0.2	0	0.22
J25	356	0	0	356	0	0	0
J26	355.35	0	0.39	355.74	0.39	0	1.32

Table 2: Junctions (continued...)

Name	Invert Elev. (ft)	Baseline (cfs)	Max. Depth (ft)	Max. HGL (ft)	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)
J4	357.63	0	0.06	357.69	0.06	0	0.13
J5	358.76	0	0.27	359.03	0.27	0	0.55
SU2	357.52	0	0.04	357.56	0.04	0	0.05

Table 3: Outfalls

Name	Invert Elev. (ft)	Rim Elev. (ft)	Type	Fixed Stage (ft)	Max. Depth (ft)	Max. HGL (ft)	Max. Total Inflow (cfs)	Max. Flow (cfs)
Inf	357.52	364.1	FREE	0	0	357.52	0.08	0.08
OF1	355.3	363.94	NORMAL	0	0.39	355.69	1.34	1.34

Table 4: Storages

Name	Type	Invert Elev. (ft)	Rim Elev. (ft)	Storage Curve	Curve Name	Max. Depth (ft)	Max. HGL (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Max. Volume (1000 ft³)	Max. Percent Full (%)
ADS_1	Underground	357.92	364.41	TABULAR	ADS_1	3.06	360.98	0	0.45	0.1	85.4
ADS_2	Underground	358.627	362.66	TABULAR	ADS4Temp	4.03	362.65	0	0.76	3.511	100
Bio_1A	Bioretention	358.75	363.75	TABULAR	DMA_1A	4.94	363.69	0.49	0.49	1.026	97.5
Bio_1B	Bioretention	358.34	363.75	TABULAR	DMA_1B	4.97	363.31	0	0.48	1.711	84.2
Bio_2	Bioretention	359	364.1	TABULAR	DMA_2	4.95	363.95	0.08	0.08	0.575	94
Bio_3	Bioretention	358.75	363.9	TABULAR	DMA_3	5.05	363.8	0.14	0.14	0.977	95.9
Bio_4	Bioretention	357.42	362.5	TABULAR	DMA_4	4.98	362.4	0.75	0.75	3.96	95.9
Bio_5	Bioretention	358.77	363.35	TABULAR	DMA_5	4.56	363.33	0.23	0.23	1.373	99.2

Table 5A: Conduits

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C8	J17	J18		8.085	0.01	0	0	0.5	CIRCULAR	1	0	0
C7	J13	J1		14.302	0.01	0	0	0.5	CIRCULAR	1	0	0
C6	SU2	J11		6.36	0.01	0	0	0.5	CIRCULAR	0.5	0	0
C5_1	J18	J13		52.111	0.01	0	0	0.5	CIRCULAR	1	0	0
C5	J2	ADS_2		17.468	0.01	0	0	0	DUMMY	0	0	0
C4	J20	ADS_1		87.383	0.01	0	2.44	0.5	CIRCULAR	0.667	0	0
C25	J4	J13		2.888	0.01	0	0	0.5	CIRCULAR	0.667	0	0

Table 5A: Conduits (continued...)

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Offset (ft)	Outlet Offset (ft)	Entry Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3
C21	J26	OF1		24.735	0.013	0	0	0.5	CIRCULAR	4	0	0
C20	J11	J26		65.852	0.013	0	0.05	0.5	CIRCULAR	4	0	0
C18	J25	J11		267.105	0.013	0	0	0.5	CIRCULAR	4	0	0
C17	J15	J18		141.727	0.01	0	0	0.5	CIRCULAR	1	0	0
C16	J23	J2		142.332	0.01	0	0	0.5	CIRCULAR	0.667	0	0
C15	J5	ADS_2		25.157	0.01	0	0	0.5	CIRCULAR	1	0	0
C14	J1	J26		24.296	0.01	0	0.05	0.5	CIRCULAR	1.25	0	0

Table 5B: Conduits

Name	Geom4	Barrels	Culvert Code	Street	Slope (ft/ft)	Max. Flow (cfs)	Max. Velocity (ft/s)	Max / Full Depth
C8	0	1			0	0.45	0.74	0.72
C7	0	1			0.01958	1.27	6.41	0.3
C6	0	1			0.3368	0.05	7.17	0.07
C5_1	0	1			0.01958	1.16	6.24	0.29
C5	0	1			0.03684	0.22	0	0
C4	0	1			0.00504	0.45	3.02	0.44
C25	0	1			0.26125	0.13	8.65	0.09
C21	0	1			0.00202	1.32	2.07	0.1
C20	0	1			0.00137	0.05	0.65	0.02
C18	0	1			0.00191	0	0	0
C17	0	1			0.00498	0.72	3.35	0.32
C16	0	1			0.00496	0.22	2.47	0.3
C15	0	1			0.00529	0.55	3.16	0.27
C14	0	1			0.05028	1.27	8.75	0.18

Table 6: Overflow Inlets

Name	Inlet Node	Outlet Node	Type	Length (ft)	Inlet Offset (ft)	Discharge Coeff. (CFS)	Max. Flow (cfs)
W1	Bio_1A	Bio_1B	TRANSVERSE	4	4.83	3.33	0.48
W3	Bio_3	J4	TRANSVERSE	4	5	3.33	0.13
W4	Bio_4	J5	TRANSVERSE	0.5	4.5	3.33	0.55
W5	Bio_5	J23	TRANSVERSE	4	4.5	3.33	0.22
W6	BIO_2	SU2	TRANSVERSE	0.25	4.8	3.33	0.05
W7	Bio_1B	J20	TRANSVERSE	2	4.8	3.33	0.45
W8	ADS_1	J17	TRANSVERSE	1	2.8	3.33	0.45
W9	ADS_2	J15	TRANSVERSE	5	3.9	3.33	0.76

Table 7: Soil Media Filtration

Name	Inlet Node	Outlet Node	Rating Curve	Curve Name	Max. Flow (cfs)
OL1	Bio_2	Inf	TABULAR/DEPTH	Out_Bio_2	0
OL2	ADS_1	Inf	TABULAR/DEPTH	Out_ADS_1	0
OL3	Bio_1A	Inf	TABULAR/DEPTH	Out_Bio_1A	0.01
OL4	Bio_1B	Inf	TABULAR/DEPTH	Out_Bio_1B	0.01
OL5	Bio_3	Inf	TABULAR/DEPTH	Out_Bio_3	0.01
OL6	Bio_4	Inf	TABULAR/DEPTH	Out_Bio_4	0.02
OL7	Bio_5	Inf	TABULAR/DEPTH	Out_Bio_5	0.01
OL8	ADS_2	Inf	TABULAR/DEPTH	Out_ADS_4	0.03

DMA 1	
Depth (ft)	Area (sf)
0	175.6
2	175.6
2.01	131.7
4	131.7
4.01	439
5	439

DMA 1	
Depth (ft)	Area (sf)
0	289.6
2	289.6
2.01	217.2
4	217.2
4.01	724
5	724

DMA 2	
Depth (ft)	Area (sf)
0	0
2	0
2.01	0
4	0
4.01	0
5	0

DMA 3	
Depth (ft)	Area (sf)
0	0
2	0
2.01	0
4	0
4.01	0
5	0

DMA 4	
Depth (ft)	Area (sf)
0	0
2	0
2.01	0
4	0
4.01	0
5	0

DMA 5	
Depth (ft)	Area (sf)
0	280
2	280
2.01	210
4	210
4.01	700
5	700

Constant Infiltration Calculation

Project Name: C0991 Morgan Hill

Completed by: LAC

Reviewed by: LAC

Date: 14-Mar-24

Updated: 14-Mar-24

County: City of Morgan Hill

BMP	Measured Infiltration Rate	Design Factor of Safety	Design Infiltration Rate	Detention Basin Infiltration Area	In/Hr to Ft/Sec Conversion Value	Pondpack Infiltration Rate
	(in/hr)		(in/hr)	(sf)		(cf/sec)
BIO-1A	0.99	2.00	0.493	440	43,200	0.005
BIO-1B	0.99	2.00	0.493	719	43,200	0.008
BIO-2	0.99	2.00	0.493	245	43,200	0.003
BIO-3	0.99	2.00	0.493	401	43,200	0.005
BIO-4	0.99	2.00	0.493	1,668	43,200	0.019
BIO-5	0.99	2.00	0.493	758	43,200	0.009
ADS-1	0.99	2.00	0.493	84	43,200	0.001
ADS-4	0.99	2.00	0.493	2,551	43,200	0.029

Drawdown Calculations

BMP	Volume	Retention Depth	Drawdown Time
	(cf)	(in)	(hrs)
ADS-1	0.493	0.45	0.00
ADS-4	2551.360	0.65	1.09

Table 3.3 Effective Percent Imperviousness and SCS Curve Numbers
Storm Drainage System Master Plan
City of Morgan Hill

Land Use Category	Percent Impervious	AMC-II Pervious	AMC-II Pervious	AMC-II Pervious
	(%)	Soil B	Soil C	Soil D
Residential Estate	10	64	74	82
Single Family Low	20	65	75	82
Single Family Medium	35	67	77	83
Multi-Family Low	50	70	79	83
Multi-Family Medium	80	79	86	88
Commercial	95	80	87	89
Industrial	70	76	84	86
Open Space	1	63	75	81
Public Facilities	50	70	79	83
Rural County	5	63	73	82
Other Uses				
Water Surface	99	99	99	99
Natural Grassland	1	633	75	81
Oak Woodland	1	65	77	82
Chaparral/Shrubs/Weeds	1	62	74	80
Orchards, Vineyards	2	86	91	93
Pasture, Golf Courses, Parks	2	69	79	84
Agricultural Crops	2	78	85	89
Pavement/Parking/Highways	98	99	99	99
Urban Landscaping	1	56	69	75
Urban Lawns (fair quality)	1	65	77	82
Urban Lawns (poor quality)	1	74	83	87

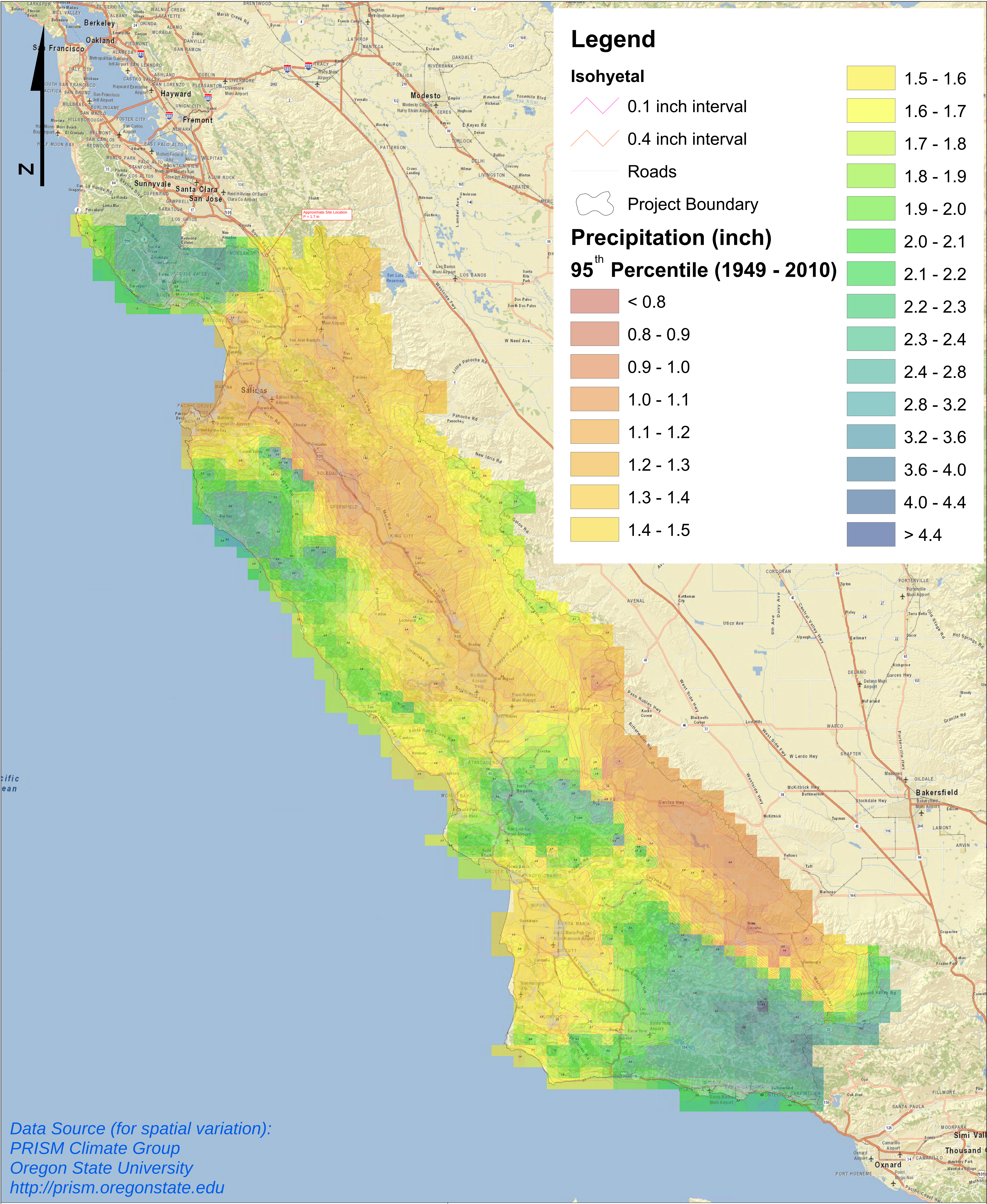
A K E L
ENGINEERING GROUP, INC.

Note:

1. Source: City of Morgan Hill 2002 Storm Drainage Master Plan

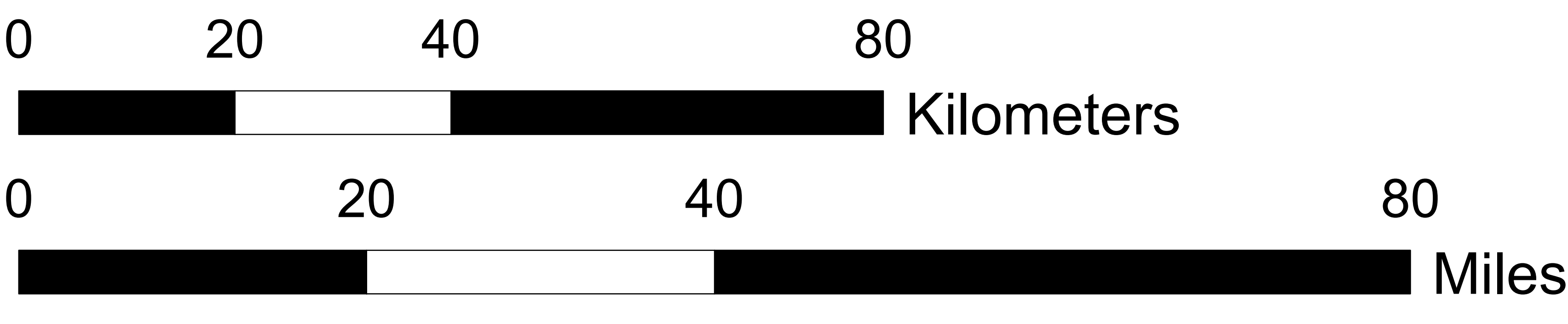
9/6/2018

Appendix J – 95th Percentile, 24-Hour Storm Depth



Data Source (for spatial variation):
PRISM Climate Group
Oregon State University
<http://prism.oregonstate.edu>

Central Coast Region
95th Percentile 24-hour Rainfall Depth
NAD 1983 California Teale Albers



Appendix F

Environmental Noise and Vibration Assessment

Environmental Noise & Vibration Assessment

Raising Cane's Store #991

Morgan Hill, California

BAC Job # 2023-160

Prepared For:

Raney Planning & Management, Inc.

Attn: Malena Garcia
1501 Sports Drive, Suite A
Sacramento, CA, 95834

Prepared By:

Bollard Acoustical Consultants, Inc.



Dario Gotchet, Principal Consultant

January 18, 2024



CEQA Checklist

NOISE AND VIBRATION – Would the Project Result in:	NA – Not Applicable	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generation of 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?				X	
b) Generation of excessive groundborne vibration or groundborne noise levels?				X	
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?					X

Introduction

The proposed Raising Cane's Store #991 (project) is located at the intersection of Cochrane Road and Butterfield Boulevard in the City of Morgan Hill, California (APN: 726-058-002/1). The project consists of the construction of a new quick-service restaurant (QSR) building, a small outdoor patio dining area, a two-lane drive-thru lane, and associated parking stalls. Land uses in the immediate project vicinity include existing single-family residential and commercial to the north, existing multi-family residential to the west, and future commercial to the south and east. The project area with aerial imagery is shown in Figure 1. The project site plan is presented in Figure 2.

The purposes of this assessment are to quantify the existing noise and vibration environments, identify potential noise and vibration impacts resulting from the project, identify appropriate mitigation measures, and provide a quantitative and qualitative analysis of impacts associated with the project. Specifically, impacts are identified if project-related activities would cause a substantial increase in ambient noise levels at existing sensitive uses in the project vicinity, or if traffic or project-generated noise or vibration levels would exceed applicable federal, state, or City of Morgan Hill standards at nearby sensitive uses.

Noise and Vibration Fundamentals

Noise

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are designated as sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or Hertz (Hz). Definitions of acoustical terminology are provided in Appendix A.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals of pressure) as a point of reference, defined as 0 dB. Other sound pressures are then compared to the reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB. Another useful aspect of the decibel scale is that changes in decibel levels correspond closely to human perception of relative loudness. Noise levels associated with common noise sources are provided in Figure 3.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by filtering the frequency response of a sound level meter by means of the standardized A-weighting network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this section are in terms of A-weighted levels.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (L_{eq}). The L_{eq} is the foundation of the day-night average noise descriptor, DNL (or L_{dn}), and shows very good correlation with community response to noise.

The Day-Night Average sound level (DNL) is based upon the average noise level over a 24-hour day, with a +10-decibel weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because DNL represents a 24-hour average, it tends to disguise short-term variations in the noise environment. DNL-based noise standards are commonly used to assess noise impacts associated with traffic, railroad, and aircraft noise sources.

Vibration

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, while vibration is usually associated with transmission through the ground or structures. As with noise, vibration consists of an amplitude and frequency. A person's response to vibration will depend on their individual sensitivity as well as the amplitude and frequency of the source.

Vibration can be described in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of velocity in inches per second peak particle velocity (IPS, PPV) or root-mean-square (VdB, RMS). Standards pertaining to perception as well as damage to structures have been developed for vibration in terms of peak particle velocity as well as RMS velocities. As vibrations travel outward from the source, they excite the particles of rock and soil through which they pass and cause them to oscillate. Differences in subsurface geologic conditions and distance from the source of vibration will result in different vibration levels characterized by different frequencies and intensities. In all cases, vibration amplitudes will decrease with increasing distance. The maximum rate, or velocity of particle movement, is the commonly accepted descriptor of the vibration "strength".

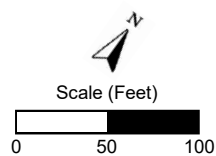
Human response to vibration is difficult to quantify. Vibration can be felt or heard well below the levels that produce any damage to structures. The duration of the event has an effect on human response, as does frequency. Generally, as the duration and vibration frequency increase, the potential for adverse human response increases.

According to the Transportation and Construction-Induced Vibration Guidance Manual (Caltrans, June 2004), operation of construction equipment and construction techniques generate ground vibration. Traffic traveling on roadways can also be a source of such vibration. At high enough amplitudes, ground vibration has the potential to damage structures and/or cause cosmetic damage. Ground vibration can also be a source of annoyance to individuals who live or work close to vibration-generating activities. However, traffic, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage.



Legend

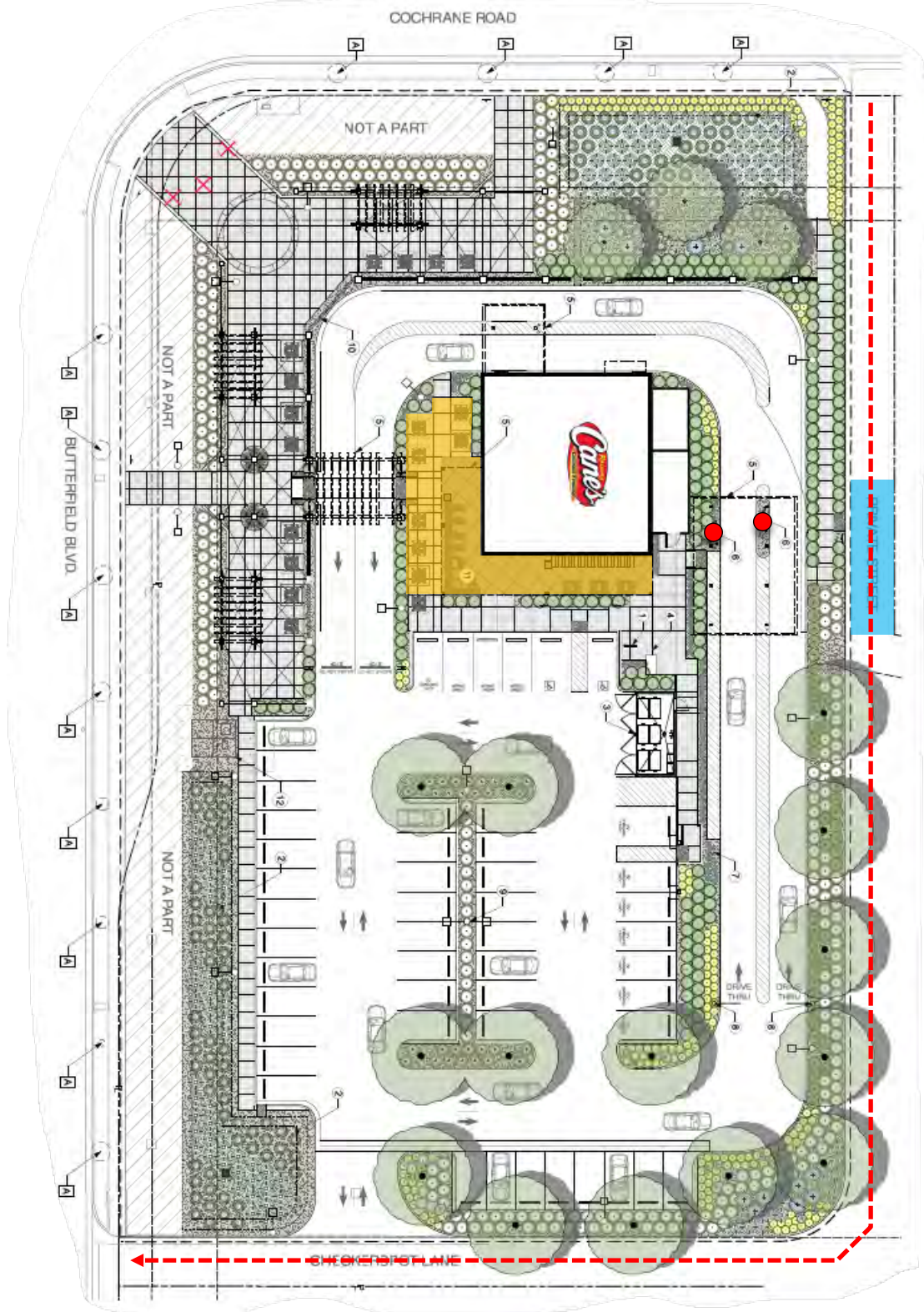
- Project Parcel Boundary (Approximate)
- Long-Term Noise & Short-Term Vibration Measurement Sites
- Short-Term Vibration Measurement Site



Raising Cane's Store #991
Morgan Hill, California

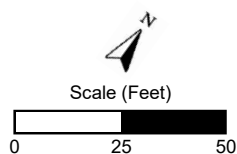
Project Area

Figure 1 Page 1292 of 1374



Legend

- Drive-Through Speaker Posts (2)
- Outdoor Patio Area
- Truck Delivery Area
- On-Site Delivery Truck Circulation Route

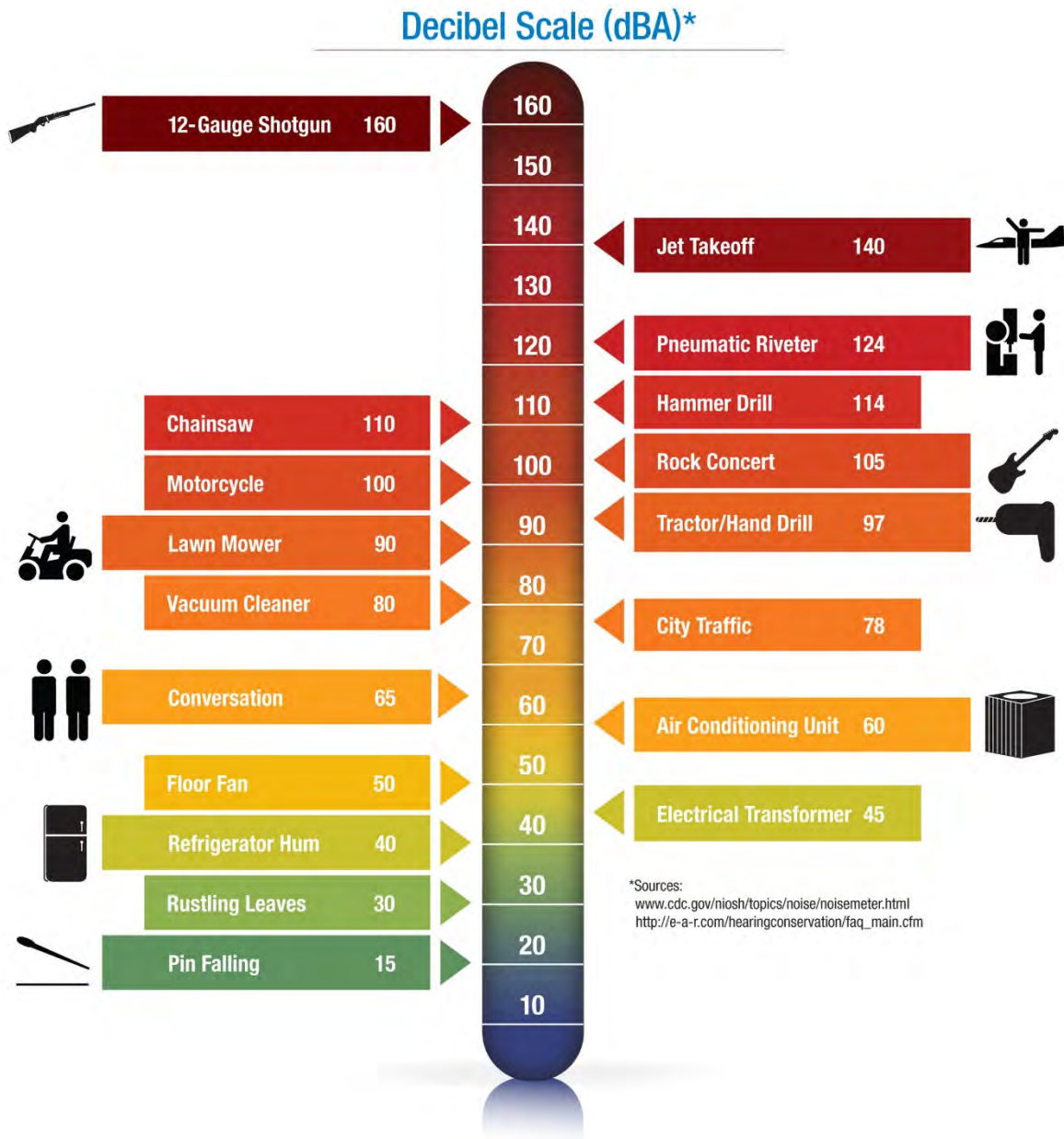


Raising Cane's Store #991
Morgan Hill, California

Site Plan

Figure 2 Page 1293 of 1374

Figure 3
Noise Levels Associated with Common Noise Sources



Regulatory Setting: Criteria for Acceptable Noise and Vibration Exposure

Federal

There are no federal noise or vibration criteria which would be directly applicable to this project. However, the City of Morgan Hill does not currently have adopted numeric standards for groundborne vibration. As a result, the following federal noise criteria was applied to the project.

Federal Transit Administration

Vibration impact criteria developed by the Federal Transit Administration (FTA) were applied to the project. The FTA criteria applicable to damage and annoyance from vibration typically associated with construction activities are presented in Tables 1 and 2.

Table 1
FTA Criteria for Assessing Vibration Damage to Structures

Building Category	Level (VdB) ¹
I. Reinforced-concrete, steel or timber (no plaster)	102
II. Engineered concrete and masonry (no plaster)	98
III. Non-engineered timber and masonry buildings	94
IV. Buildings extremely susceptible to vibration damage	90
¹ RMS velocity in decibels (VdB) re 1 micro-inch/second	

Source: Federal Transit Administration Noise and Vibration Manual, Table 12-3.

Table 2
Groundborne Vibration Impact Criteria for General Assessment

Land Use Category	Impact Levels (VdB)		
	Frequent Events ^a	Occasional Events ^b	Infrequent Events ^c
Category 1: Buildings where vibration would interfere with interior ops.	65 ^d	65 ^d	65 ^d
Category 2: Residences and buildings where people normally sleep	72	75	80
Category 3: Institutional land uses with primarily daytime uses	75	78	83
a. "Frequent Events" is defined as more than 70 vibration events of the same source per day. b. "Occasional Events" is defined as between 30 and 70 vibration events of the same source per day. c. "Infrequent Events" is defined as fewer than 30 vibration events of the same source per day. d. This criterion limit is based on levels that are acceptable for most moderately-sensitive equipment such as optical microscopes. Vibration-sensitive manufacturing or research will require detailed evaluation to define the acceptable vibration levels.			

Source: Federal Transit Administration, Transit Noise Impact and Vibration Assessment, May 2006.

State of California

California Environmental Quality Act (CEQA)

The State of California has established regulatory criteria that are applicable to this assessment. Specifically, Appendix G of the State of California Environmental Quality Act (CEQA) Guidelines

are used to assess the potential significance of impacts pursuant to local General Plan policies, Municipal Code standards, or the applicable standards of other agencies. According to Appendix G of the CEQA guidelines, the project would result in a significant noise or vibration impact if the following occur:

- 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 other 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, the project would expose people residing or working in the project area to excessive noise levels.

It should be noted that audibility is not a test of significance according to CEQA. If this were the case, any project which added any audible amount of noise to the environment would be considered significant according to CEQA. Because every physical process creates noise, the use of audibility alone as significance criteria would be unworkable. CEQA requires a substantial increase in noise levels before noise impacts are identified, not simply an audible change.

Local

Morgan Hill 2035 General Plan

The Safety, Services, and Infrastructure Element of the Morgan Hill 2035 General Plan contains goals and policies to ensure that city residents are not subjected to noise beyond acceptable levels. The General Plan goals and policies which are applicable to the project are reproduced below.

GOAL SSI-8

Prevention of noise from interfering with human activities or causing health problems.

Policies

SSI-8.1 **Exterior Noise Level Standards.** Require new development projects to be designed and constructed to meet acceptable exterior noise level standards (Table 3 of this report), as follows:

- Apply a maximum exterior noise level of 60 dBA DNL in residential areas where outdoor use is a major consideration (e.g., backyards in single-family housing developments and recreation areas in multi-family housing projects). Where the City determines that providing a DNL of 60 dBA or lower cannot be achieved after the application of reasonable and feasible mitigation, a DNL of 65 dBA may be permitted.

- Indoor noise levels should not exceed a DNL of 45 dBA in new residential housing units.
- Noise levels in new residential development exposed to an exterior DNL of 60 dBA or greater should be limited to a maximum instantaneous noise level (e.g., trucks on busy streets, train warning whistles) in bedrooms of 50 dBA. Maximum instantaneous noise levels in all other habitable rooms should not exceed 55 dBA. The maximum outdoor noise level for new residences near the railroad shall be 70 dBA DNL, recognizing that train noise is characterized by relatively few loud events.

SSI-8.2 **Impact Evaluation.** The impact of a proposed development project on existing land uses should be evaluated in terms of the potential for adverse community response based on significant increase in existing noise levels, regardless of compatibility guidelines.

SSI-8.3 **Commercial and Industrial Noise Level Standards.** Evaluate interior noise levels in commercial and industrial structures on a case-by-case basis based on the use of the space.

SSI-8.4 **Office Noise Level Standards.** Interior noise levels in office buildings should be maintained at 45 dB L_{eq} (hourly average) or less, rather than 45 dB DNL (daily average).

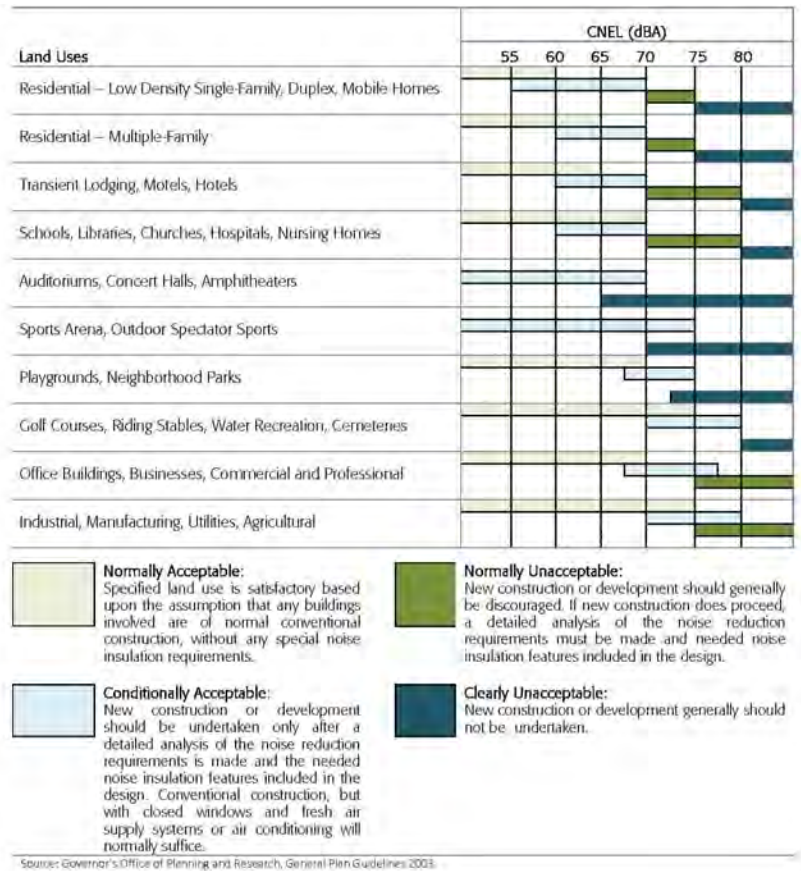
SSI-8.5 **Traffic Noise Level Standards.** Consider noise level increases resulting from traffic associated with new projects significant if: a) the noise level increase is 5 dBA DNL or greater, with a future noise level of less than 60 dBA DNL, or b) the noise level increase is 3 dBA DNL or greater, with a future noise level of 60 dBA DNL or greater.

SSI-8.6 **Stationary Noise Level Standards.** Consider noise levels produced by stationary noise sources associated with new projects significant if they substantially exceed existing ambient noise levels.

SSI-8.7 **Other Noise Sources.** Consider noise levels produced by other noise sources (such as ballfields) significant if an acoustical study demonstrates they would substantially exceed ambient noise levels.

SSI-8.9 **Site Planning and Design.** Require attention to site planning and design techniques other than sound walls to reduce noise impacts, including a) installing earth berms, b) increasing the distance between the noise source and the receiver, c) using non-sensitive structures such as parking lots, utility areas, and garages to shield noise-sensitive areas, d) orienting buildings to shield outdoor spaces from the noise source, and e) minimizing the noise at its source.

Table 3
State of California Land Use Compatibility Guidelines for Community Noise Environments



Morgan Hill Municipal Code

The provisions of the Morgan Hill Municipal Code which would be most applicable to this project are reproduced below.

Chapter 8.28 of the Municipal Code provides an enumeration of unlawful noise sources (i.e., animals, birds, auto body repairs, blowers, fans, combustion engines, construction activities, exhausts, loudspeakers). Chapter 8.28 does not, however, provide quantitative performance standards. Section 8.28.040(D) exempts construction noise provided the activities are limited to a specific time frame. Section 8.28.040(D) is reproduced below:

"Construction activities" are defined as including but not limited to excavation, grading, paving, demolition, construction, alteration or repair of any building, site, street or highway, delivery, or removal of construction material to a site, or movement of construction materials on a site. Construction activities are prohibited other than between the hours of seven a.m. and eight p.m., Monday through Friday and between the hours of nine a.m. to six p.m. on Saturday. Construction activities may not occur on Sundays or federal holidays. No third person, including but not limited to landowners, construction company owners, contractors,

subcontractors, or employers, shall permit or allow any person working on construction activities which are under their ownership, control, or direction to violate this provision.

Section 18.76.090 of the Municipal Code establishes acceptable noise level criteria for non-transportation noise sources. The City's quantitative exterior noise standards are provided below in Table 4. According to conversations with City of Morgan Hill planning staff in the preparation of noise assessments in previous years, the Table 4 standards are interpreted as being hourly average (L_{eq}) noise level standards.

Table 4
Noise Level Performance Standards

Receiving Land Use	Maximum Noise Level at Lot Line of Receiving Use ^{1,2}
Industrial and Wholesale	70 dBA
Commercial	65 dBA
Residential or Public/Quasi Public	60 dBA
¹ The planning commission may allow an additional 5 dBA noise level at the lot line if the maximum noise level shown above cannot be achieved with reasonable and feasible mitigation. ² Noise standards shown above do not apply to noise generated by vehicle traffic in the public right-of way or from temporary construction, demolition, and vehicles that enter or leave the site of the noise-generating use (e.g., construction equipment, trains, trucks).	

Source: Morgan Hill Municipal Code, Section 18.76.090, Table 18.76-1.

Finally, Municipal Code Section 18.76.130 states that vibration transmitted through the ground that is discernible without instruments at the lot line of the establishment or use is prohibited. However, vibrations from temporary construction and vehicles that enter and leave the lot (e.g., construction equipment, trains, trucks, etc.) are exempt from this standard.

Environmental Setting – Existing Ambient Noise and Vibration Environment

Noise-Sensitive Land Uses in the Project Vicinity

Noise-sensitive land uses are generally defined as locations where people reside or where the presence of unwanted sound could adversely affect the primary intended use of the land. Places where people live, sleep, recreate, worship, and study are generally considered to be sensitive to noise because intrusive noise can be disruptive to these activities. The nearest existing noise-sensitive uses to the project have been identified as a single-family residence to the north, and multi-family residential uses to the west and southwest. The locations of the existing residential uses are shown in Figure 1.

Existing Overall Ambient Noise Environment within the Project Vicinity

The existing ambient noise environment within the project vicinity is defined primarily by noise from traffic on Cochrane Road and Butterfield Boulevard. To generally quantify existing ambient noise environment within the project vicinity, BAC conducted long-term (96-hour) ambient noise

level measurements at two (2) locations January 4th through January 7th, 2024. The long-term noise survey locations are shown in Figure 1, identified as sites 1 and 2. Photographs of the noise survey locations are provided in Appendix B.

Larson Davis Laboratories (LDL) Models 820 precision integrating sound level meters were used to complete the noise level measurements. The meters were calibrated immediately before use with an LDL Model CA200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all specifications of the American National Standards Institute requirements for Type 1 sound level meters (ANSI S1.4). The ambient noise level survey results are summarized below in Table 5.

Table 5
Summary of Long-Term Ambient Noise Survey Results – January 4-7, 2024

Site Description ¹	Date	DNL (dB)	Average Measured Hourly Noise Levels (dB) ²			
			Daytime ³		Nighttime ³	
			L _{eq}	L _{max}	L _{eq}	L _{max}
Site 1: North of project area near single-family residential use	1/4/24	69	66	85	61	80
	1/5/24	69	66	85	62	81
	1/6/24	69	67	83	61	81
	1/7/24	68	66	86	60	79
Site 2: West of project area near multi-family residential uses	1/4/24	68	67	87	58	76
	1/5/24	67	67	85	58	77
	1/6/24	66	65	86	57	75
	1/7/24	64	63	86	56	75
¹ Noise monitoring locations are identified in Figure 1. Survey site photos are presented in Appendix B. ² Detailed summaries of the noise monitoring results are provided in Appendices C and D. ³ Daytime: 7:00 AM to 10:00 PM Nighttime: 10:00 PM to 7:00 AM						

Source: BAC 2024.

BAC noise survey site 1 is believed to be representative of the existing ambient noise level environment at the single-family residential use to the north of the project. Noise level measurements obtained at site 2 are believed to be representative of the existing ambient noise level environments at the closest multi-family residential uses to the west and southwest. As shown in Table 5, measured day-night average levels (DNL) and average measured hourly median (L_{eq}) and maximum (L_{max}) noise levels were generally consistent at each survey site during the 96-hour monitoring period (i.e., relatively small range of measured values).

Existing Ambient Vibration Environment within the Project Vicinity

During BAC site visits on January 3rd and January 8th, 2024, vibration levels were below the threshold of perception within the project vicinity. Nonetheless, to quantify existing vibration levels in the project vicinity, BAC conducted a short-term (15-minute) vibration measurements on January 8th, 2024, at the locations shown in Figure 1. Photographs of the vibration survey equipment and sites are provided in Appendix B. A Larson-Davis Laboratories Model LxT precision integrating sound level meter equipped with a vibration transducer was used to complete the measurements. The results are summarized in Table 6.

Table 6
Summary of Short-Term Ambient Vibration Survey Results – January 8, 2024

Survey Location	Time	Highest Measured Vibration Level (VdB)
Site 1: North of project area near single-family residential use	10:43 a.m.	56
Site 2: West of project area near multi-family residential uses	11:08 a.m.	54
Site A: Centrally located within project area	11:39 a.m.	55

Source: BAC 2024.

Table 6 data indicate that measured vibration levels were below the threshold of human perception (65 dB VdB), which is consistent with BAC field observations.

Existing Traffic Noise Levels along the Project Area Roadway Network

To predict traffic noise levels along existing roadway networks with multiple segments, modelling is commonly used rather than monitoring. The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify existing traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The FHWA Model was also used to quantify the distances to the 60, 65 and 70 dB DNL traffic noise contours for these roadways. The FHWA Model predicts hourly average (L_{eq}) values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from L_{eq} values.

Existing traffic data in the form of PM peak hour intersection turning movements were obtained from the project traffic transportation consultant (Hexagon Transportation Consultants, Inc.). Those data were converted to Average Daily Traffic (ADT) segment volumes by applying a factor of 10 to PM peak hour conditions. Other inputs were obtained from BAC observations and noise measurement data. The existing traffic noise levels at the distances representing the nearest noise-sensitive land uses to the project area roadways and distances from the centerlines of selected roadways to the 60 dB, 65 dB and 70 dB DNL contours are summarized in Table 7. Appendix E contains the FHWA Model inputs for existing conditions.

Table 7
Existing Traffic Noise Levels at Nearest Sensitive Receptors and Distances to DNL Contours

#	Roadway	Segment Description	DNL at Nearest Sensitive Receptor	Distance to Contour (ft)		
				70 dB DNL	65 dB DNL	60 dB DNL
1	Cochrane Rd	West of Monterey Hwy	59	10	21	46
2	Cochrane Rd	Monterey Rd to Butterfield Blvd	65	65	140	302
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	64	60	130	280
4	Cochrane Rd	Woodview Ave to Sutter Blvd	63	54	115	249
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	65	69	148	319
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	69	86	186	401
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	60	70	151	325
8	Cochrane Rd	East of US 101 NB Ramps	65	62	133	286
9	Monterey Hwy	North of Cochrane Rd	65	74	160	344
10	Monterey Hwy	South of Cochrane Rd	65	54	116	250
11	Butterfield Blvd	South of Cochrane Rd	67	49	106	228
12	Woodview Ave	North of Cochrane Rd	50	5	10	22
13	Skipper Ln	South of Cochrane Rd	50	5	10	22
14	Sutter Blvd	North of Cochrane Rd	52	5	10	22
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	60	22	48	103
16	Sutter Blvd	South of Checkerspot Ln	63	24	51	111
17	Checkerspot Ln	West of Sutter Blvd	42	3	6	14
18	Checkerspot Ln	East of Sutter Blvd	58	8	18	39
19	Madrone Pkwy	North of Cochrane Rd	63	26	56	121
20	Cochrane Plza	South of Cochrane Rd	59	10	21	46
21	US 101 SB Ramps	South of Cochrane Rd	68	70	151	326
22	US 101 NR Ramps	North of Cochrane Rd	58	30	65	140

Source: FHWA-RD-77-108 and Hexagon. Appendix E contains modeling inputs for existing no project conditions.

Impacts and Mitigation Measures

Thresholds of Significance

For the purposes of this report, a noise and vibration impact is considered significant if the project would result in:

- 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 other applicable standards of other agencies; or
- Generation of excessive groundborne vibration or groundborne noise levels; or
- 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, the project would expose people residing or working in the project area to excessive noise levels.

The project area is not within the vicinity of a private airstrip, an airport land use plan, or within two miles of a public airport. Therefore, the last threshold listed above is not discussed further.

The following criteria established by the Federal Transit Administration (FTA), Morgan Hill General Plan, and Morgan Hill Municipal Code were used to evaluate the significance of environmental noise and vibration resulting from the project:

- A significant noise impact would be identified if the project would expose persons to or generate noise levels that would exceed applicable noise criteria presented in the Morgan Hill General Plan or Morgan Hill Municipal Code.
- A significant impact would be identified if project-generated off-site traffic, on-site commercial operations, or on-site construction activities would substantially increase noise levels at existing sensitive receptors in the vicinity. A substantial increase from project-generated off-site traffic noise levels would be identified relative to the numeric increase significance criteria contained in Policy SSI-8.5 of the Morgan Hill General Plan.

General Plan Policy SSI-8.6 states that noise levels produced by stationary noise sources associated with new projects shall be considered significant if they substantially exceed existing ambient noise levels. However, Policy SSI-8.6 does not contain numeric increase significance criteria. In terms of determining the temporary noise increase due to project on-site operations and construction activities (non-transportation noise sources) at existing sensitive receptors in the vicinity, an impact would occur if those activities would noticeably increase ambient noise levels above background levels at those locations. The threshold of perception of the human ear is approximately 3 to 5 dB – a 5 dB change is considered to be clearly noticeable. For the analysis of project on-site commercial operations and construction activity noise level increases at existing sensitive receptors, a noticeable increase in ambient noise levels is assumed to occur where those activities would result in an increase by 5 dB or more over existing ambient noise levels.

- A significant impact would be identified if on-site project construction activities or project operations would expose existing or proposed sensitive receptors to excessive groundborne vibration levels. Specifically, an impact would be identified if groundborne vibration levels due to these sources would exceed FTA vibration impact criteria.

Noise Impacts Associated with Project-Generated Increases in Off-Site Traffic

With development of the project, traffic volumes on the local roadway network will increase. Those increases in daily traffic volumes will result in a corresponding increase in traffic noise levels at existing uses located along those roadways. Impacts 1 and 2 evaluate increases in off-site traffic noise levels which would result from the project.

Pursuant to Policy SSI-8.5 of the Morgan Hill General Plan, traffic noise level increases from new projects are considered significant if: a) the noise level increase is 5 dB DNL or greater, with a future noise level of less than 60 dB DNL, or b) the noise level increase is 3 dB DNL or greater, with a future noise level of 60 dB DNL or greater.

Impact 1: Increases in Existing Traffic Noise Levels due to the Project

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify increases in existing traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The FHWA Model predicts hourly L_{eq} values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from L_{eq} values.

Traffic data in the form of PM peak hour intersection turning movements were provided by the project transportation consultant (Hexagon Transportation Consultants, Inc.). Those data were converted to Average Daily Traffic (ADT) segment volumes by applying a factor of 10 to PM peak hour conditions. Other inputs were obtained from BAC field observations and aerial imagery. Appendices E and F contain the FHWA Model inputs for existing no project and existing plus project conditions, respectively. The existing and existing plus project traffic noise levels at the distances representing the nearest sensitive land uses to the project area roadways are summarized in Table 8. Table 8 also shows the thresholds for determination of a significant traffic noise increase, whether the roadway segment contains sensitive uses, and whether or not significant noise impacts are identified for each segment.

Table 8
Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Existing vs. Existing Plus Project Conditions

#	Roadway	Segment Description	Predicted DNL (dB)			Significance Threshold ¹	Threshold Exceeded?	Sensitive Receptors Present? ²	Significant Impact Identified? ³
			E	E+P	Increase				
1	Cochrane Rd	West of Monterey Hwy	59.5	59.5	0.0	5.0	No	No	No
2	Cochrane Rd	Monterey Rd to Butterfield Blvd	64.6	64.6	0.1	3.0	No	Yes	No
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	64.1	64.1	0.0	3.0	No	No	No
4	Cochrane Rd	Woodview Ave to Sutter Blvd	63.3	63.4	0.1	3.0	No	No	No
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	64.9	65.0	0.0	3.0	No	No	No
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	69.0	69.1	0.0	3.0	No	No	No
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	60.2	60.2	0.0	3.0	No	No	No
8	Cochrane Rd	East of US 101 NB Ramps	65.4	65.4	0.0	3.0	No	Yes	No
9	Monterey Hwy	North of Cochrane Rd	65.4	65.4	0.0	3.0	No	Yes	No
10	Monterey Hwy	South of Cochrane Rd	65.3	65.4	0.1	3.0	No	Yes	No
11	Butterfield Blvd	South of Cochrane Rd	67.3	67.3	0.1	3.0	No	Yes	No
12	Woodview Ave	North of Cochrane Rd	49.6	49.6	0.0	5.0	No	No	No
13	Skipper Ln	South of Cochrane Rd	50.2	51.8	1.6	5.0	No	No	No
14	Sutter Blvd	North of Cochrane Rd	52.0	52.0	0.0	5.0	No	No	No
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	60.2	60.2	0.0	3.0	No	No	No
16	Sutter Blvd	South of Checkerspot Ln	62.5	62.5	0.0	3.0	No	No	No
17	Checkerspot Ln	West of Sutter Blvd	42.5	42.8	0.4	5.0	No	No	No
18	Checkerspot Ln	East of Sutter Blvd	58.5	58.5	0.0	5.0	No	No	No
19	Madrone Pkwy	North of Cochrane Rd	63.1	63.1	0.0	3.0	No	No	No
20	Cochrane Plza	South of Cochrane Rd	59.4	59.4	0.0	5.0	No	No	No
21	US 101 SB Ramps	South of Cochrane Rd	67.7	67.7	0.0	3.0	No	No	No
22	US 101 NR Ramps	North of Cochrane Rd	57.7	57.7	0.0	5.0	No	No	No

¹ Significance thresholds contained in General Plan Policy SSI-8.5.
² Sensitive receptors identified in this analysis include residences, churches and schools.
³ A significant impact is identified only along segments where the project-related traffic noise level increase would exceed applicable significance threshold AND where sensitive receptors are present along the roadway segment.

Source: FHWA-RD-77-108 with inputs from Hexagon. Appendices E & F contain modeling inputs for existing no project and existing plus project conditions.

As indicated in Table 8, project-generated traffic noise level increases would not result in significant noise impacts at existing sensitive receptors located along the project area roadway network relative to increase significance criteria contained in Policy SSI-8.5 of the Morgan Hill General Plan. As a result, this impact is identified as being ***less than significant***.

Impact 2: Increases in Cumulative Traffic Noise Levels due to the Project

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify increases in future (cumulative) traffic noise levels at the nearest existing sensitive land uses to the project area roadway network. This analysis first assesses whether a cumulative roadway noise impact would occur by comparing the cumulative with project conditions to existing conditions. If a cumulative roadway noise impact is identified, it is further evaluated to assess whether the proposed project would make a cumulatively considerable contribution to the cumulative impact. This process is completed through a comparison of the roadway noise associated with the cumulative with project scenario against the cumulative no-project scenario. Appendices G and H contain the FHWA Model inputs for cumulative no project and cumulative plus project conditions, respectively.

Table 9 compares the cumulative with project traffic noise levels against existing no project traffic noise levels and includes a determination regarding whether the corresponding increase in traffic noise exposure over time is considerable. Table 10 compares cumulative with project against cumulative no-project conditions to determine if the project's contribution to the cumulative noise environment is considerable.

Table 9
Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Existing vs. Cumulative Plus Project Conditions

#	Roadway	Segment Description	Predicted DNL (dB)			Significance Threshold ¹	Threshold Exceeded?	Sensitive Receptors Present? ²	Significant Impact Identified? ³
			E	C+P	Increase				
1	Cochrane Rd	West of Monterey Hwy	59.5	59.5	0.0	5.0	No	No	No
2	Cochrane Rd	Monterey Rd to Butterfield Blvd	64.6	65.9	1.3	3.0	No	Yes	No
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	64.1	65.1	1.1	3.0	No	No	No
4	Cochrane Rd	Woodview Ave to Sutter Blvd	63.3	64.3	1.0	3.0	No	No	No
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	64.9	65.9	1.0	3.0	No	No	No
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	69.0	70.0	0.9	3.0	No	No	No
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	60.2	61.5	1.3	3.0	No	No	No
8	Cochrane Rd	East of US 101 NB Ramps	65.4	67.1	1.7	3.0	No	Yes	No
9	Monterey Hwy	North of Cochrane Rd	65.4	66.6	1.2	3.0	No	Yes	No
10	Monterey Hwy	South of Cochrane Rd	65.3	66.4	1.0	3.0	No	Yes	No
11	Butterfield Blvd	South of Cochrane Rd	67.3	69.0	1.8	3.0	No	Yes	No
12	Woodview Ave	North of Cochrane Rd	49.6	49.6	0.0	5.0	No	No	No
13	Skipper Ln	South of Cochrane Rd	50.2	54.4	4.1	5.0	No	No	No
14	Sutter Blvd	North of Cochrane Rd	52.0	52.8	0.7	5.0	No	No	No
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	60.2	61.5	1.3	3.0	No	No	No
16	Sutter Blvd	South of Checkerspot Ln	62.5	62.9	0.4	3.0	No	No	No
17	Checkerspot Ln	West of Sutter Blvd	42.5	44.7	2.2	5.0	No	No	No
18	Checkerspot Ln	East of Sutter Blvd	58.5	55.3	-3.2	5.0	No	No	No
19	Madrone Pkwy	North of Cochrane Rd	63.1	64.0	0.9	3.0	No	No	No
20	Cochrane Plza	South of Cochrane Rd	59.4	59.4	0.1	5.0	No	No	No
21	US 101 SB Ramps	South of Cochrane Rd	67.7	67.8	0.1	3.0	No	No	No
22	US 101 NR Ramps	North of Cochrane Rd	57.7	59.5	1.8	5.0	No	No	No

¹ Significance thresholds contained in General Plan Policy SSI-8.5.
² Sensitive receptors identified in this analysis include residences, churches and schools.
³ A significant impact is identified only along segments where the project-related traffic noise level increase would exceed applicable significance threshold AND where sensitive receptors are present along the roadway segment.

Source: FHWA-RD-77-108 with inputs from Hexagon. Appendices E & H contain modeling inputs for existing no project and cumulative plus project conditions.

Table 10
Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Cumulative vs. Cumulative Plus Project Conditions

#	Roadway	Segment Description	Predicted DNL (dB)			Significance Threshold ¹	Threshold Exceeded?	Sensitive Receptors Present? ²	Significant Impact Identified? ³
			C	C+P	Increase				
1	Cochrane Rd	West of Monterey Hwy	59.5	59.5	0.0	5.0	No	No	No
2	Cochrane Rd	Monterey Rd to Butterfield Blvd	65.8	65.9	0.0	3.0	No	Yes	No
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	65.1	65.1	0.0	3.0	No	No	No
4	Cochrane Rd	Woodview Ave to Sutter Blvd	64.3	64.3	0.1	3.0	No	No	No
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	65.9	65.9	0.0	3.0	No	No	No
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	70.0	70.0	0.0	3.0	No	No	No
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	61.5	61.5	0.0	3.0	No	No	No
8	Cochrane Rd	East of US 101 NB Ramps	67.1	67.1	0.0	3.0	No	Yes	No
9	Monterey Hwy	North of Cochrane Rd	66.6	66.6	0.0	3.0	No	Yes	No
10	Monterey Hwy	South of Cochrane Rd	66.3	66.4	0.0	3.0	No	Yes	No
11	Butterfield Blvd	South of Cochrane Rd	69.0	69.0	0.0	3.0	No	Yes	No
12	Woodview Ave	North of Cochrane Rd	49.6	49.6	0.0	5.0	No	No	No
13	Skipper Ln	South of Cochrane Rd	53.5	54.4	0.8	5.0	No	No	No
14	Sutter Blvd	North of Cochrane Rd	52.8	52.8	0.0	5.0	No	No	No
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	61.5	61.5	0.0	3.0	No	No	No
16	Sutter Blvd	South of Checkerspot Ln	62.9	62.9	0.0	3.0	No	No	No
17	Checkerspot Ln	West of Sutter Blvd	44.6	44.7	0.1	5.0	No	No	No
18	Checkerspot Ln	East of Sutter Blvd	55.3	55.3	0.0	5.0	No	No	No
19	Madrone Pkwy	North of Cochrane Rd	64.0	64.0	0.0	3.0	No	No	No
20	Cochrane Plza	South of Cochrane Rd	59.4	59.4	0.0	5.0	No	No	No
21	US 101 SB Ramps	South of Cochrane Rd	67.8	67.8	0.0	3.0	No	No	No
22	US 101 NR Ramps	North of Cochrane Rd	59.5	59.5	0.0	5.0	No	No	No

¹ Significance thresholds contained in General Plan Policy SSI-8.5.
² Sensitive receptors identified in this analysis include residences, churches and schools.
³ A significant impact is identified only along segments where the project-related traffic noise level increase would exceed applicable significance threshold AND where sensitive receptors are present along the roadway segment.

Source: FHWA-RD-77-108 with inputs from Hexagon. Appendices G & F contain modeling inputs for cumulative no project and cumulative plus project conditions.

Based on the analysis presented in Tables 9 and 10, off-site traffic noise impacts related to project-generated increases in traffic are identified as **less than significant** relative to increase significance criteria contained in Policy SSI-8.5 of the Morgan Hill General Plan.

Off-Site Noise Impacts Associated with On-Site Operational Noise Sources

The project consists of the construction and operation of a Raising Cane's Store #991 with drive-through services. It is the understanding of BAC that the project proposes restaurant operations (including drive-through services) during the hours of 9:00 a.m. to 3:30 a.m. seven days a week. The primary noise sources associated with project on-site operations have been identified as parking lot movements, drive-thru operations (vehicle passages and amplified menu speaker board), on-site vehicle circulation, outdoor dining area noise (including music), delivery truck circulation and delivery activities, and mechanical equipment (HVAC). Analyses of each of the identified project noise sources at nearby existing residential uses are provided in the following section.

For noise generated by on-site operations, Section 18.76.090 of the Morgan Hill Municipal Code establishes a property line exterior noise level standard of 60 dB L_{eq} for residential uses. Satisfaction of the City's noise level criterion at the closest residential uses would ensure compliance with the City's noise level limit at residential uses located farther away.

Impact 3: Parking Area Noise at Nearest Noise-Sensitive Uses

As a means of determining potential noise exposure due to project parking lot activities, Bollard Acoustical Consultants, Inc. (BAC) utilized specific parking lot noise level measurements conducted by BAC. Specifically, a series of individual noise measurements were conducted of multiple vehicle types arriving and departing a parking area, including engines starting and stopping, car doors opening and closing, and persons conversing as they entered and exited the vehicles. The results of those measurements revealed that individual parking lot movements generated mean noise levels of approximately 70 dB SEL at a reference distance of 50 feet.

To compute hourly average (L_{eq}) noise levels generated by parking lot activities, the approximate number of hourly operations and distance to parking stalls is required. According to the project site plans, the project proposes approximately 50 parking stalls. It was conservatively assumed for the purpose of this analysis that all proposed parking stalls could either fill or empty during a given peak hour (although it is likely that parking area activity would be more spread out). The hourly average noise level generated by parking lot movements is computed using the following formula:

$$\text{Peak Hour } L_{eq} = 70 + 10 \cdot \log(N) - 35.6$$

Where 70 is the mean Sound Exposure Level (SEL) for an automobile parking lot arrival or departure, N is the number of parking lot operations in a given hour (50), and 35.6 is 10 times the logarithm of the number of seconds in an hour. Using the information provided above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project parking activity noise exposure at the property lines of the nearest residential uses was calculated and the results of those calculations are presented in Table 11.

Table 11
Predicted Parking Area Noise Levels at Nearest Residential Uses

Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	34
Multi-Family Residential	West	Property Line	39
Multi-Family Residential	Southwest	Property Line	38

¹ Locations of residential uses are shown in Figure 1.
² Worst-case predicted parking area noise levels from all 50 proposed stalls emptying or filling during a given hour.

Source: BAC 2024.

As shown in Table 11, worst-case project parking area noise is predicted to satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Appendices C & D of this report contain the results from the BAC ambient noise surveys at sites 1 and 2, which are believed to be representative of the ambient noise environments at the existing residential uses to the north, west and southwest of the project. Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project parking area noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from less than 0.1 dB L_{eq} to 0.5 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project parking area activities is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from parking activities is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 4: Drive-Thru Operations Noise at Nearest Noise-Sensitive Uses

According to the project site plan, the proposed drive-through will have two (2) amplified menu speaker posts. Specifically, it is the understanding of BAC that the project proposes two (2) HME SPP2 speaker posts.

To quantify the noise emissions of the proposed drive-through speaker usage, BAC utilized noise level measurement data published by the speaker manufacturer (HM Electronics, Inc.). According to the manufacturers noise level data sheet, presented as Appendix I, the proposed HME SPP2 speaker post can incorporate automatic volume control (AVC), which adjusts outbound volume based on the ambient noise level environment. For example, assuming an outdoor ambient noise level of 45 dB, the speaker will adjust the volume of the system to 45 dB for a resulting overall

sound level of 48 dB at a distance of 4 feet. Without the AVC option, the speaker reference noise level is 72 dB at 4 feet. To quantify the noise emissions of the proposed drive-through vehicle passages, BAC utilized noise measurement data collected for similar drive-through operations in the greater Sacramento area in recent years. BAC file data indicates that drive-through vehicle passages, including vehicle idling, have median and maximum noise levels of 60 dB L_{eq} at a distance of 5 feet.

Using the BAC drive-through vehicle passby data and speaker manufacturer noise level measurements presented above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), data were projected from the proposed drive-through lane and speaker posts to the property lines of the nearest residential uses. The results of those projections are presented in Table 12. The results presented in Table 12 include conservative predictions of project drive-through speaker noise levels (i.e., AVC option not enabled).

Table 12
Predicted Drive-Through Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB) ²	
			Speakers ³	Vehicles
Single-Family Residential	North	Property Line	38	28
Multi-Family Residential	West	Property Line	33	29
Multi-Family Residential	Southwest	Property Line	36	24
¹ Locations of residential uses are shown in Figure 1. ² Combined noise level from two speakers in operation simultaneously (worst-case). ³ Predicted combined speaker noise level with AVC option not enabled.				

Source: BAC 2024.

Table 12 data indicate that project drive-through operations noise is predicted to satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses. It should be noted that activation of the drive-through speaker model's AVC option would further reduce speaker noise level exposure at nearby noise-sensitive uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project drive-through operations noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.3 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project drive-through operations is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise

level exposure from drive-through operations is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 5: On-Site Passenger Vehicle Circulation Noise at Nearby Sensitive Uses

To quantify project on-site passenger vehicle circulation noise exposure, BAC utilized specific automobile passby noise level measurements conducted by BAC. Specifically, a series of individual noise measurements were conducted of multiple vehicle types arriving and departing a parking area. The results of those measurements revealed that individual vehicle passbys generated mean noise levels of approximately 70 dB SEL at a reference distance of 50 feet.

To compute hourly average (L_{eq}) noise levels generated by project on-site vehicle circulation, the approximate number of hourly operations is required. According to the provided trip generation estimates prepared by the project traffic consultant (Hexagon Transportation Consultants, Inc.), the project is estimated to generate up to 96 vehicle trips during an PM peak hour. For the purpose of this analysis, worst-case estimated peak hour trip generation (96 vehicles) was assumed during proposed daytime hours of operation (9:00 a.m. to 10:00 p.m.), and 50% of worst-case estimated peak hour trip generation (48 vehicles) was reasonably assumed during proposed nighttime hours of operation (10:00 a.m. to 3:30 a.m.). Based on the trip generation estimates and operations assumptions above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), worst-case project on-site passenger vehicle circulation noise exposure at the property lines of the nearest residential uses was calculated and the results of those calculations are presented in Table 13.

It should be noted that the results presented in Table 13 conservatively assume that worse-case busy hour vehicle trip generation could all occur within an on-site drive lane located closest to a residential use. However, it is more likely that on-site vehicle circulation would be more evenly distributed.

Table 13
Predicted On-Site Passenger Vehicle Circulation Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB) ^{2,3}	
			Daytime	Nighttime
Single-Family Residential	North	Property Line	46	43
Multi-Family Residential	West	Property Line	46	43
Multi-Family Residential	Southwest	Property Line	48	45

¹ Locations of residential uses are shown in Figure 1.
² Predicted daytime noise level based on 96 vehicle trips during a given daytime hour of operations.
³ Predicted nighttime noise level based on 48 vehicle trips during a given nighttime hour of operations.

Source: BAC 2024.

As indicated in Table 13, predicted worst-case project on-site passenger vehicle circulation noise levels would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project on-site vehicle circulation noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.3 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.3 dB L_{eq} to 1.6 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project on-site passenger vehicle circulation is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from on-site vehicle circulation is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 6: Outdoor Dining Area Noise at Nearest Noise-Sensitive Uses

According to the provided site plans, the project proposes an outdoor seating area (patio) for restaurant patrons. The location of the outdoor dining area is shown in Figure 2.

To quantify outdoor dining area noise, BAC utilized file data from the SoundPLAN noise modeling software program (Version 9.0). According to the modeling program (catalog emission #173), restaurant dining areas with music have a reference sound level of 82 dB at a distance of 1 meter. Based on the reference sound level data above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project outdoor dining area noise was projected at the property lines of the nearest residential uses. The results of those projections are presented in Table 14.

Table 14
Predicted Outdoor Dining Area Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB) ²
Single-Family Residential	North	Property Line	44
Multi-Family Residential	West	Property Line	46
Multi-Family Residential	Southwest	Property Line	44
¹ Locations of residential uses are shown in Figure 1.			
² Predicted noise levels based on a reference sound level of 82 dB at a distance of 1 meter (3.3 feet).			

Source: BAC 2024.

Table 14 data indicate that predicted outdoor dining area noise levels would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project outdoor dining area noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to range from less than 0.1 dB L_{eq} to 0.2 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.4 dB L_{eq} to 2.1 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from the project outdoor dining area is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from the outdoor dining area is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being *less than significant*.

Impact 7: On-Site Truck Circulation Noise at Nearest Noise-Sensitive Uses

According to the provided site plans, deliveries of product to the restaurant will occur at a designated delivery area. The location of the proposed truck delivery area and on-site truck circulation route is shown in Figure 2.

On-site truck passbys are expected to be relatively brief and will occur at low speeds. To predict noise levels generated by on-site truck circulation, BAC utilized file data obtained from measurements conducted by BAC of heavy and medium duty truck passbys. According to BAC file data, single-event heavy and medium truck passby noise levels are approximately 83 and 76 dB SEL (respectively) at a reference distance of 50 feet.

To calculate hourly average (L_{eq}) noise level exposure from truck circulation, it was assumed that the project could have 1 heavy truck and 1 medium duty truck delivery during the same hour. Based on the hourly delivery truck assumptions above, and SEL's of 83 and 76 dB per passby, the combined hourly average noise level generated by project on-site delivery truck circulation computes to 48 dB L_{eq} at a reference distance of 50 feet from the passby route during the worst-case hour of deliveries.

Based on the reference noise level data and operations assumptions presented above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project on-site truck circulation noise exposure at the property lines of the nearest residential uses was calculated and the results of those calculations are presented in Table 15.

Table 15
Predicted On-Site Truck Circulation Noise Levels at Nearest Residential Uses

Receiver¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB)²
Single-Family Residential	North	Property Line	37
Multi-Family Residential	West	Property Line	37
Multi-Family Residential	Southwest	Property Line	39
¹ Locations of residential uses are shown in Figure 1.			
² Predicted noise level based on 1 heavy truck and 1 medium truck delivery within the same hour.			

Source: BAC 2024.

As shown in Table 15, predicted on-site truck circulation noise levels would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project on-site truck circulation noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.4 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project on-site truck circulation is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from on-site truck circulation is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 8: Truck Delivery Noise at Nearest Noise-Sensitive Uses

According to the project description, the restaurant will receive deliveries of fresh chicken every 24 hours, as well as for deliveries associated with laundry pickup/drop-offs throughout the week. The proposed location of the delivery truck unloading/loading area is shown in Figure 2.

The primary noise sources associated with delivery activities are trucks stopping (air brakes), trucks backing into position (back-up alarms), and trucks pulling away from the unloading/loading area (revving engines). BAC file data indicate that noise levels associated with medium- (including side-step vans) and heavy-duty truck deliveries are approximately 83 dB SEL at a distance of 100 feet. To calculate hourly average (L_{eq}) noise level exposure from truck deliveries, it was reasonably assumed that the project could have 1 heavy truck and 1 medium duty truck deliveries during the same hour. Based on the hourly delivery assumptions above and an SEL of

83 dB, the hourly average noise level computes to 50 dB L_{eq} at a reference distance of 100 feet during the worst-case hour of deliveries.

Using the reference noise level data and operations assumptions presented above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project truck delivery activity noise exposure at the property lines of the nearest residential uses was calculated and the results of those calculations are presented in Table 16.

Table 16
Predicted Truck Delivery Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L_{eq} (dB) ²
Single-Family Residential	North	Property Line	42
Multi-Family Residential	West	Property Line	40
Multi-Family Residential	Southwest	Property Line	39
¹ Locations of residential uses are shown in Figure 1.			
² Predicted noise level based on 1 heavy truck and 1 medium truck delivery within the same hour.			

Source: BAC 2024.

Table 16 data indicate that predicted truck delivery noise levels would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project truck delivery activity noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to range from less than 0.1 dB L_{eq} to 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.2 dB L_{eq} to 0.6 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project truck delivery activity is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from that activity is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 9: Mechanical Equipment (HVAC) Noise at Nearest Noise-Sensitive Uses

Heating, ventilating, and air conditioning (HVAC) requirements for the restaurant will most likely be met using packaged roof-mounted systems. As a means of determining noise exposure due to rooftop mechanical equipment, BAC utilized reference file data collected for previous studies. BAC reference file data for HVAC systems indicate that a 12.5-ton packaged unit can be expected to generate an A-weighted sound power level of 85 dB.

Using the sound power data stated above, and assuming standard spherical spreading loss (-6 dB per doubling of distance), project HVAC equipment noise exposure at the property lines of the nearest residential uses was calculated and the results of those calculations are presented in Table 17.

Table 17
Predicted HVAC Equipment Noise Levels at Nearest Residential Uses

Receiver ¹	Direction	Assessment Location	Predicted Noise Level, L _{eq} (dB)
Single-Family Residential	North	Property Line	38
Multi-Family Residential	West	Property Line	38
Multi-Family Residential	Southwest	Property Line	35
¹ Locations of residential uses are shown in Figure 1.			

Source: BAC 2024.

As indicated in Table 17, project HVAC equipment noise levels are predicted to satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus project HVAC equipment noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, project-generated increases in ambient noise levels are calculated to be less than 0.1 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), project-generated increases in ambient noise levels are calculated to range from 0.1 dB L_{eq} to 0.4 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are well below the applied increase significance criterion of 5 dB.

Because noise exposure from project HVAC equipment is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because noise level exposure from that equipment is not calculated to significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being ***less than significant***.

Impact 10: Cumulative On-Site Operations Noise at Nearest Residential Uses

The calculated cumulative (combined) noise levels from analyzed on-site operations at the property lines of the nearest residential uses are presented in Tables 18 and 19. It should be noted that due to the logarithmic nature of the decibel scale, the sum of two noise values which differ by 10 dB equates to an overall increase in noise levels of 0.4 dB. When the noise sources are equivalent, the sum would result in an overall increase in noise levels of 3 dB.

Table 18
Calculated Cumulative On-Site Noise Levels at Nearest Residential Uses – Daytime Hours

Receiver	Predicted Exterior Noise Levels, L_{eq} (dB)							Cumulative, L_{eq} (dB) ²
	Parking	Drive-Through ¹	Vehicle Circ.	Outdoor Patio	Truck Circ.	Truck Deliveries	HVAC	
SFR-North	34	39	46	44	37	42	38	50
MFR-West	39	38	46	46	37	40	38	51
MFR-Southwest	38	36	48	44	39	39	35	15

¹ Combined noise levels from drive-through operations sources (i.e., menu speakers and vehicles).
² Calculated cumulative noise levels based on predicted noise levels presented in Impacts 3-9.

Source: BAC 2024.

Table 19
Calculated Cumulative On-Site Noise Levels at Nearest Residential Uses – Nighttime Hours

Receiver	Predicted Exterior Noise Levels, L_{eq} (dB)							Cumulative, L_{eq} (dB) ²
	Parking	Drive-Through ¹	Vehicle Circ.	Outdoor Patio	Truck Circ.	Truck Deliveries	HVAC	
SFR-North	34	39	43	44	37	42	38	49
MFR-West	39	38	43	46	37	40	38	50
MFR-Southwest	38	36	45	44	39	39	35	49

¹ Combined noise levels from drive-through operations sources (i.e., menu speakers and vehicles).
² Calculated cumulative noise levels based on predicted noise levels presented in Impacts 3-9.

Source: BAC 2024.

Tables 18 and 19 data indicate that calculated cumulative (combined) noise level exposure from analyzed project on-site operations would satisfy the applicable Municipal Code 60 dB L_{eq} exterior noise level standard at the property lines of the closest residential uses.

Using the lowest average measured hourly (L_{eq}) noise levels at sites 1 and 2 during the hours of operations proposed by the project (9:00 a.m. to 3:30 a.m.), ambient plus cumulative project operations noise level increases were calculated at the residential uses to north, west and southwest. According to the results from that exercise, cumulative project-generated increases in ambient noise levels are calculated to range from than 0.2 dB L_{eq} to 0.6 dB L_{eq} at the closest residential uses during daytime hours of operation (9:00 a.m. to 10:00 p.m.). During proposed nighttime hours of operations (10:00 p.m. to 3:30 a.m.), cumulative project-generated increases in ambient noise levels are calculated to range from 1.0 dB L_{eq} to 3.9 dB L_{eq} at those nearby residential uses. The calculated increases in ambient noise levels cited above are below the applied increase significance criterion of 5 dB.

Because cumulative (combined) noise exposure from project on-site operations is predicted to satisfy applicable Morgan Hill Municipal Code noise level criterion at the closest residential uses, and because cumulative noise level exposure from those operations is not calculated to

significantly increase ambient noise levels at those sensitive receivers, this impact is identified as being *less than significant*.

Noise Impacts Associated with Project Construction Activities

Impact 11: Project Construction Noise at Adjacent Commercial Land Uses

During project construction activities, heavy equipment would be used for grading excavation, paving, and building construction, which would increase ambient noise levels when in use. Noise levels would vary depending on the type of equipment used, how it is operated, and how well it is maintained. Noise exposure at any single point outside the project work area would also vary depending upon the proximity of equipment activities to that point.

Table 20 includes the range of maximum noise levels for equipment commonly used in general construction projects at full-power operation at a distance of 50 feet. Not all of these construction activities would be required of this project. Table 20 data also include predicted maximum (L_{max}) equipment noise levels at the nearest noise-sensitive uses (i.e., residential), which assume a standard spherical spreading loss of 6 dB per doubling of distance.

Table 20
Reference and Projected Noise Levels for Typical Construction Equipment

Equipment	Reference Noise	Projected Noise Level, L_{max} (dB)		
	Level at 50 Feet, L_{max} (dB)	SFR-North (150 ft)	MFR-West (140 ft)	MFR-Southwest (140 ft)
Air compressor	80	70	71	71
Backhoe	80	70	71	71
Ballast equalizer	82	72	73	73
Ballast tamper	83	73	74	74
Compactor	82	72	73	73
Concrete mixer	85	75	76	76
Concrete pump	82	72	73	73
Concrete vibrator	76	66	67	67
Crane, mobile	83	73	74	74
Dozer	85	75	76	76
Excavator	85	75	76	76
Generator	82	72	73	73
Grader	85	75	76	76
Impact wrench	85	75	76	76
Loader	80	70	71	71
Paver	85	75	76	76
Pneumatic tool	85	75	76	76
Pump	77	67	68	68
Saw	76	66	67	67
Scarifier	83	73	74	74
Scraper	85	75	76	76
Shovel	82	72	73	73
Spike driver	77	67	68	68
Tie cutter	84	74	75	75
Tie handler	80	70	71	71
Tie inserter	85	75	76	76
Truck	84	74	75	75
Low		66	67	67
High		75	76	76
Average		71	72	72

Source: 2018 FTA Noise and Vibration Impact Assessment Manual, Table 7-1 and BAC calculations.

As noted in the Regulatory Setting Section of this report, Section 8.28.040(D) of the Morgan Hill Municipal Code exempts construction noise provided that such activities do not occur during set hours. Specifically, construction activities are prohibited other than between the hours of 7:00 a.m. and 8:00 p.m., Monday through Friday and between the hours of 9:00 a.m. to 6:00 p.m. on Saturday. Further, construction activities may not occur on Sundays or federal holidays. It is reasonably assumed for the purposes of this analysis that all on-site noise-generating project construction equipment and activities would occur pursuant to Municipal Code Section 8.28.040(D) and would thereby be exempt from Municipal Code noise level criteria.

However, noise from heavy equipment operations during on-site construction activities would add to the noise environment in the immediate vicinity of the work area. In terms of determining the temporary noise increase due to project-related construction activities, an impact would occur if those activities were to noticeably increase ambient noise levels above background levels at nearby noise-sensitive uses (i.e., residential). As mentioned previously in this report, the threshold of perception of the human ear is approximately 3 to 5 dB – a 5 dB change is considered to be clearly noticeable. For this analysis, a noticeable increase in ambient noise levels is assumed to occur where noise levels increase by 5 dB or more over existing ambient noise levels.

As mentioned previously, BAC ambient noise measurements obtained at site 1 and 2 are believed to be representative of the ambient noise environments at the existing residential uses to the north, west and southwest of the project. The results of those noise measurements are contained in Appendix C & D of this report. Using the lowest average measured maximum (L_{max}) noise levels at sites 1 and 2 during the daytime hours exempted by the Municipal Code, and the highest predicted construction equipment maximum noise levels shown in Table 20, ambient plus project construction equipment noise level increases were calculated at the nearby residential uses. According to the results from that exercise, project-generated increases in ambient daytime noise levels are calculated to range from 1.9 dB L_{max} to 2.1 dB L_{max} at the closest residential uses. The calculated increases in ambient daytime noise levels indicated above are well below the applied increase significance criterion of 5 dB.

Based on the analysis and results provided above, this impact is identified as being ***less than significant***. Nonetheless, to the reduce the potential for annoyance at nearby existing noise-sensitive uses, the following measures should be incorporated into project on-site construction operations:

- All on-site noise-generating construction activities shall occur pursuant to Section 8.28.040(D) of the Morgan Hill Municipal Code.
- The project shall utilize temporary construction noise control measures including the use of temporary noise barriers, or other appropriate measures as mitigation for noise generated during construction of projects.
- All noise-producing project equipment and vehicles using internal-combustion engines shall be equipped with manufacturers-recommended mufflers and be maintained in good working condition.

- All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, state, or local agency shall comply with such regulations while in the course of project activity.
- Electrically powered equipment shall be used instead of pneumatic or internal-combustion-powered equipment, where feasible.
- Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors.
- Project area and site access road speed limits shall be established and enforced during the construction period.

Vibration Impacts Associated with Project Activities

Impact 12: Vibration Generated by On-Site Project Construction & Operations

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction. The nearest existing structures have been identified as relatively newer engineered residences (not highly susceptible to damage by vibration).

Table 21 includes the range of vibration levels for equipment commonly used in general residential construction projects at a distance of 25 feet. Table 21 data also include projected equipment vibration levels at the nearest existing structures to the project area (i.e., residences).

Table 21
Reference and Projected Vibration Source Amplitudes for Construction Equipment

Equipment	Reference Maximum Vibration Level at 25 feet, VdB (rms)	Projected Maximum Vibration Level, VdB (rms) ¹		
		SFR-North (190 ft)	MFR-West (140 ft)	MFR-Southwest (175 ft)
Vibratory Roller	94	62	65	63
Hoe Ram	87	58	61	59
Large bulldozer	87	58	61	59
Caisson drilling	87	58	61	59
Loaded trucks	86	57	60	57
Jackhammer	79	56	58	56
Small bulldozer	58	<55	<55	<55

¹ RMS velocity in decibels (VdB) re 1 micro-inch/second.

Source: 2018 FTA Transit Noise and Vibration Impact Assessment Manual and BAC calculations.

Section 18.76.130 of the Morgan Hill Municipal Code states that vibration transmitted through the ground that is discernible without instruments at the lot line of the establishment or use is prohibited. However, vibrations from temporary construction and vehicles that enter and leave the lot (e.g., construction equipment, trucks, etc.) are exempt from this standard.

Based on the data presented in Table 21, vibration levels generated from on-site construction activities are predicted to be below the FTA threshold for damage to engineered structures (98

VdB) at a distance of 25 feet from those activities. Further, construction-related vibration levels are predicted to be at the low-end threshold of human perception (65 VdB) or below at the closest existing residences (Table 21). Based on the analysis provided above, on-site construction within the project area is not expected to result in excessive groundborne vibration levels at nearby existing residences.

Results from the ambient vibration level measurement survey conducted within the project area indicate that average measured vibration levels were below the 65 VdB threshold of perception (Table 6). Therefore, it is expected that the project would not result in the exposure of persons to excessive groundborne vibration levels at proposed uses of the project.

Finally, the project proposes the construction of a commercial use. It is the experience of BAC that commercial uses such as the one proposed by the project do not typically have equipment that generates appreciable vibration.

Because vibration levels due to and upon the project are expected to be satisfactory relative to the applicable FTA vibration impact criteria for damage to structures and annoyance, this impact is considered to be ***less than significant***.

This concludes BAC's noise and vibration assessment of the Raising Cane's Store #991 project in Morgan Hill, California. Please contact BAC at (530) 537-2328 or dariog@bacnoise.com if you have any comments or questions regarding this report.

Appendix A Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound. A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.
IIC	Impact Insulation Class (IIC): A single-number representation of a floor/ceiling partition's impact generated noise insulation performance. The field-measured version of this number is the FIIC.
Ldn	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
Lmax	The highest root-mean-square (RMS) sound level measured over a given period of time.
Loudness	A subjective term for the sensation of the magnitude of sound.
Masking	The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.
Noise	Unwanted sound.
Peak Noise	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the "Maximum" level, which is the highest RMS level.
RT₆₀	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
STC	Sound Transmission Class (STC): A single-number representation of a partition's noise insulation performance. This number is based on laboratory-measured, 16-band (1/3-octave) transmission loss (TL) data of the subject partition. The field-measured version of this number is the FSTC.





Legend

- A** Site 1: Noise survey equipment, facing south towards Cochrane Rd and project site
- B** Site 1: Vibration survey equipment, facing south towards Cochrane Rd and project site

Raising Cane's Store #991
Morgan Hill, CA

Noise & Vibration Survey Photographs



Legend

- A** Site 2: Noise survey equipment, facing east towards Butterfield Blvd and project site
- B** Site 2: Vibration survey equipment, facing north along Butterfield Blvd

Raising Cane's Store #991
Morgan Hill, CA

Noise & Vibration Survey Photographs





Legend

- A** Site A: Noise and vibration survey equipment, facing north towards Cochrane Rd
- B** Site A: Noise and vibration survey equipment, facing east towards commercial uses

Raising Cane's Store #991
Morgan Hill, CA

Noise & Vibration Survey Photographs

Appendix B-3

Appendix C-1
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Thursday, January 04, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	59	84	46	43
1:00 AM	57	79	46	43
2:00 AM	56	75	47	44
3:00 AM	56	78	47	45
4:00 AM	61	81	53	49
5:00 AM	63	80	59	52
6:00 AM	65	79	62	55
7:00 AM	67	89	62	56
8:00 AM	66	81	62	54
9:00 AM	66	84	62	52
10:00 AM	66	84	62	53
11:00 AM	67	89	64	54
12:00 PM	66	87	62	53
1:00 PM	66	83	62	53
2:00 PM	67	89	63	54
3:00 PM	66	82	62	54
4:00 PM	66	90	62	56
5:00 PM	68	89	64	57
6:00 PM	66	84	62	55
7:00 PM	66	85	61	52
8:00 PM	65	79	60	51
9:00 PM	64	79	59	50
10:00 PM	63	84	55	47
11:00 PM	61	82	51	44

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	68	64	66	65	56	61
Lmax (Maximum)	90	79	85	84	75	80
L50 (Median)	64	59	62	62	46	52
L90 (Background)	57	50	53	55	43	47

Computed DNL (dB)	69
% Daytime Energy	84%
% Nighttime Energy	16%

GPS Coordinates	37° 8'53.56"N
	121°39'37.26"W

Appendix C-2
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Friday, January 05, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	59	84	45	41
1:00 AM	56	77	43	39
2:00 AM	55	74	43	38
3:00 AM	57	75	45	40
4:00 AM	62	89	49	42
5:00 AM	63	79	58	48
6:00 AM	65	82	61	54
7:00 AM	66	83	61	54
8:00 AM	66	88	61	54
9:00 AM	66	86	62	55
10:00 AM	66	89	61	53
11:00 AM	66	80	62	54
12:00 PM	65	78	62	54
1:00 PM	66	88	62	54
2:00 PM	66	84	63	55
3:00 PM	66	82	63	55
4:00 PM	66	87	63	56
5:00 PM	66	84	63	55
6:00 PM	66	86	62	55
7:00 PM	66	86	62	55
8:00 PM	66	87	61	55
9:00 PM	68	97	61	55
10:00 PM	64	80	59	53
11:00 PM	63	85	56	51

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	68	65	66	65	55	62
Lmax (Maximum)	97	78	85	89	74	81
L50 (Median)	63	61	62	61	43	51
L90 (Background)	56	53	54	54	38	45

Computed DNL (dB)	69
% Daytime Energy	82%
% Nighttime Energy	18%

GPS Coordinates	37° 8'53.56"N
	121°39'37.26"W

Appendix C-3
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Saturday, January 06, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	59	75	51	46
1:00 AM	58	77	51	47
2:00 AM	58	77	51	48
3:00 AM	57	79	49	46
4:00 AM	60	79	53	50
5:00 AM	62	83	53	49
6:00 AM	63	82	57	51
7:00 AM	65	83	60	54
8:00 AM	65	80	61	55
9:00 AM	66	85	61	54
10:00 AM	67	86	62	55
11:00 AM	66	81	63	55
12:00 PM	66	83	63	55
1:00 PM	66	81	63	54
2:00 PM	66	81	63	55
3:00 PM	69	89	64	56
4:00 PM	70	85	67	59
5:00 PM	67	79	64	57
6:00 PM	67	78	64	56
7:00 PM	66	81	63	54
8:00 PM	66	85	61	52
9:00 PM	65	84	60	51
10:00 PM	65	90	57	49
11:00 PM	64	87	55	46

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	70	65	67	65	57	61
Lmax (Maximum)	89	78	83	90	75	81
L50 (Median)	67	60	62	57	49	53
L90 (Background)	59	51	55	51	46	48

Computed DNL (dB)	69
% Daytime Energy	85%
% Nighttime Energy	15%

GPS Coordinates	37° 8'53.56"N
	121°39'37.26"W

Appendix C-4
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Sunday, January 07, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	62	85	49	44
1:00 AM	59	77	48	43
2:00 AM	56	76	47	44
3:00 AM	55	74	46	43
4:00 AM	58	77	47	44
5:00 AM	59	79	49	46
6:00 AM	60	79	53	48
7:00 AM	64	91	55	49
8:00 AM	64	86	59	53
9:00 AM	65	80	60	53
10:00 AM	65	79	61	53
11:00 AM	66	84	61	53
12:00 PM	65	87	61	53
1:00 PM	68	96	62	54
2:00 PM	66	84	62	53
3:00 PM	66	86	62	53
4:00 PM	66	83	62	54
5:00 PM	66	80	62	55
6:00 PM	67	82	63	54
7:00 PM	66	83	61	53
8:00 PM	67	95	60	53
9:00 PM	65	89	59	51
10:00 PM	62	82	55	50
11:00 PM	61	82	52	47

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	68	64	66	62	55	60
Lmax (Maximum)	96	79	86	85	74	79
L50 (Median)	63	55	61	55	46	49
L90 (Background)	55	49	53	50	43	45

Computed DNL (dB)	68
% Daytime Energy	88%
% Nighttime Energy	12%

GPS Coordinates	37° 8'53.56"N
	121°39'37.26"W

Appendix C-5
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Thursday, January 04, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	53	72	45	42
1:00 AM	50	68	45	42
2:00 AM	49	67	45	42
3:00 AM	52	69	46	43
4:00 AM	56	78	51	47
5:00 AM	60	81	56	51
6:00 AM	63	79	59	53
7:00 AM	66	94	60	54
8:00 AM	64	84	59	53
9:00 AM	63	83	58	51
10:00 AM	64	89	58	52
11:00 AM	67	90	60	53
12:00 PM	64	83	60	53
1:00 PM	71	101	60	53
2:00 PM	68	92	62	53
3:00 PM	72	100	65	56
4:00 PM	69	91	65	58
5:00 PM	70	97	65	56
6:00 PM	64	85	59	53
7:00 PM	69	100	57	51
8:00 PM	60	76	56	50
9:00 PM	59	80	55	50
10:00 PM	61	90	53	49
11:00 PM	57	80	49	45

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	72	59	67	63	49	58
Lmax (Maximum)	101	76	90	90	67	76
L50 (Median)	65	55	60	59	45	50
L90 (Background)	58	50	53	53	42	46

Computed DNL (dB)	68
% Daytime Energy	94%
% Nighttime Energy	6%

GPS Coordinates	37° 8'48.96"N
	121°39'38.65"W

Appendix C-6
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Friday, January 05, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	53	73	45	43
1:00 AM	49	68	43	40
2:00 AM	48	68	43	40
3:00 AM	54	80	44	42
4:00 AM	54	79	48	43
5:00 AM	60	79	54	46
6:00 AM	63	84	58	52
7:00 AM	65	87	59	52
8:00 AM	64	80	59	53
9:00 AM	65	85	59	53
10:00 AM	63	84	59	52
11:00 AM	64	84	59	53
12:00 PM	64	83	59	53
1:00 PM	64	79	59	53
2:00 PM	67	86	62	54
3:00 PM	73	105	64	54
4:00 PM	68	92	64	56
5:00 PM	69	94	63	55
6:00 PM	63	84	59	53
7:00 PM	63	86	58	53
8:00 PM	72	104	58	54
9:00 PM	62	87	58	54
10:00 PM	59	75	56	52
11:00 PM	60	86	55	52

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	73	62	67	63	48	58
Lmax (Maximum)	105	79	88	86	68	77
L50 (Median)	64	58	60	58	43	50
L90 (Background)	56	52	53	52	40	46

Computed DNL (dB)	67
% Daytime Energy	93%
% Nighttime Energy	7%

GPS Coordinates	37° 8'48.96"N
	121°39'38.65"W

Appendix C-7
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Saturday, January 06, 2024

Hour	Leq	Lmax	L50	L90
12:00 AM	55	74	51	47
1:00 AM	54	76	51	47
2:00 AM	54	67	51	48
3:00 AM	52	71	49	46
4:00 AM	57	82	53	50
5:00 AM	55	70	53	50
6:00 AM	58	74	55	51
7:00 AM	61	88	57	54
8:00 AM	61	78	57	54
9:00 AM	62	85	57	53
10:00 AM	62	81	57	52
11:00 AM	64	87	57	52
12:00 PM	66	92	58	52
1:00 PM	65	89	58	52
2:00 PM	65	93	58	52
3:00 PM	67	91	61	51
4:00 PM	69	85	65	58
5:00 PM	66	82	61	55
6:00 PM	64	82	59	54
7:00 PM	66	93	59	54
8:00 PM	63	82	56	51
9:00 PM	62	80	56	49
10:00 PM	60	84	54	47
11:00 PM	58	78	50	44

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	69	61	65	60	52	57
Lmax (Maximum)	93	78	86	84	67	75
L50 (Median)	65	56	58	55	49	52
L90 (Background)	58	49	53	51	44	48

Computed DNL (dB)	66
% Daytime Energy	92%
% Nighttime Energy	8%

GPS Coordinates	37° 8'48.96"N
	121°39'38.65"W

Appendix C-8
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Sunday, January 07, 2024

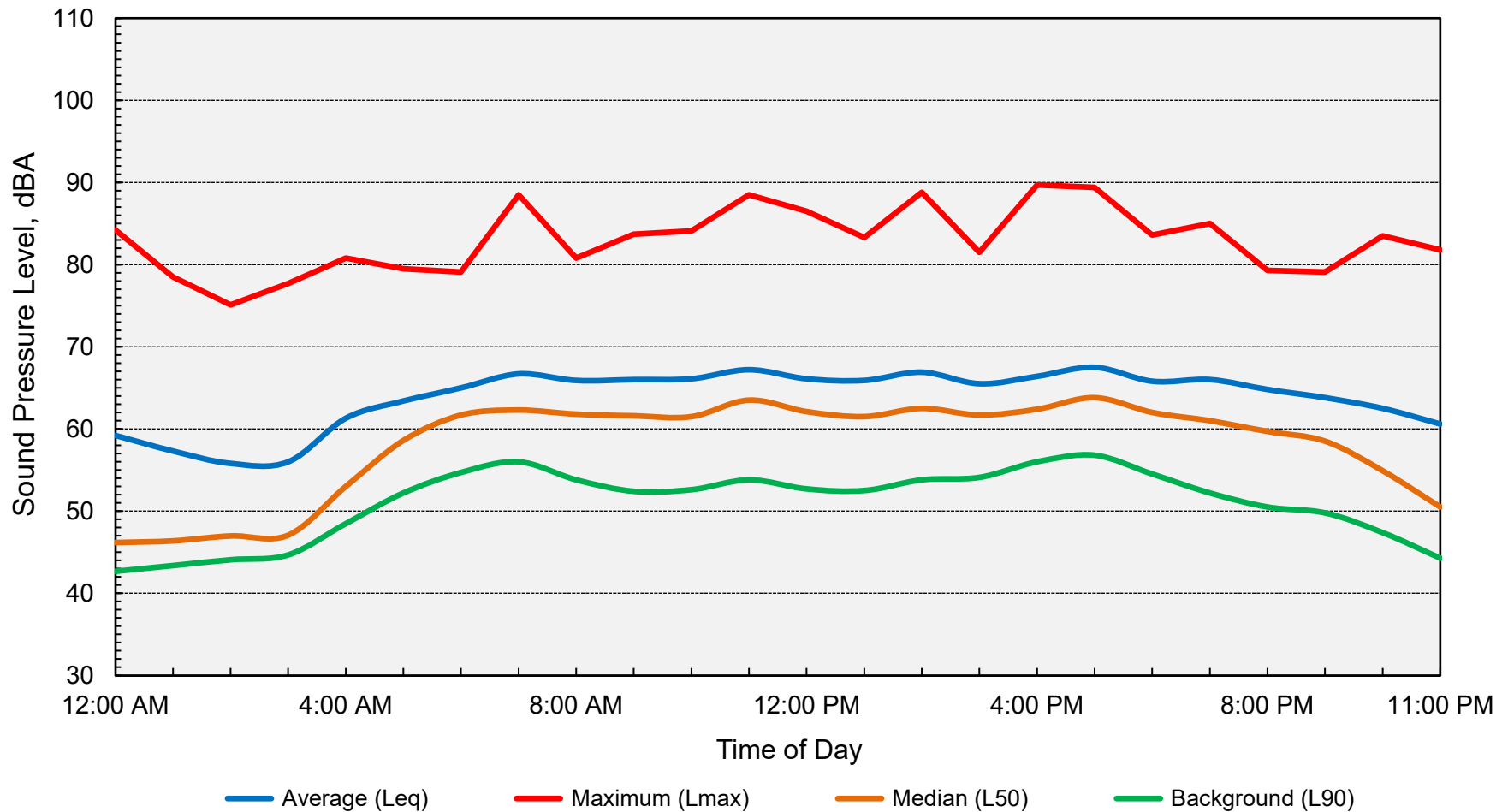
Hour	Leq	Lmax	L50	L90
12:00 AM	56	78	48	43
1:00 AM	56	80	45	41
2:00 AM	51	70	45	42
3:00 AM	50	68	44	41
4:00 AM	50	70	45	42
5:00 AM	52	71	47	44
6:00 AM	56	75	50	46
7:00 AM	59	82	52	48
8:00 AM	61	81	56	51
9:00 AM	62	87	57	52
10:00 AM	64	92	57	52
11:00 AM	63	85	58	52
12:00 PM	66	91	58	52
1:00 PM	64	88	58	53
2:00 PM	63	86	58	52
3:00 PM	63	81	58	52
4:00 PM	62	80	58	52
5:00 PM	65	90	58	54
6:00 PM	64	87	58	53
7:00 PM	63	90	57	51
8:00 PM	63	88	56	51
9:00 PM	60	81	54	50
10:00 PM	57	75	52	49
11:00 PM	60	89	51	47

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	66	59	63	60	50	56
Lmax (Maximum)	92	80	86	89	68	75
L50 (Median)	58	52	57	52	44	47
L90 (Background)	54	48	52	49	41	44

Computed DNL (dB)	64
% Daytime Energy	90%
% Nighttime Energy	10%

GPS Coordinates	37° 8'48.96"N
	121°39'38.65"W

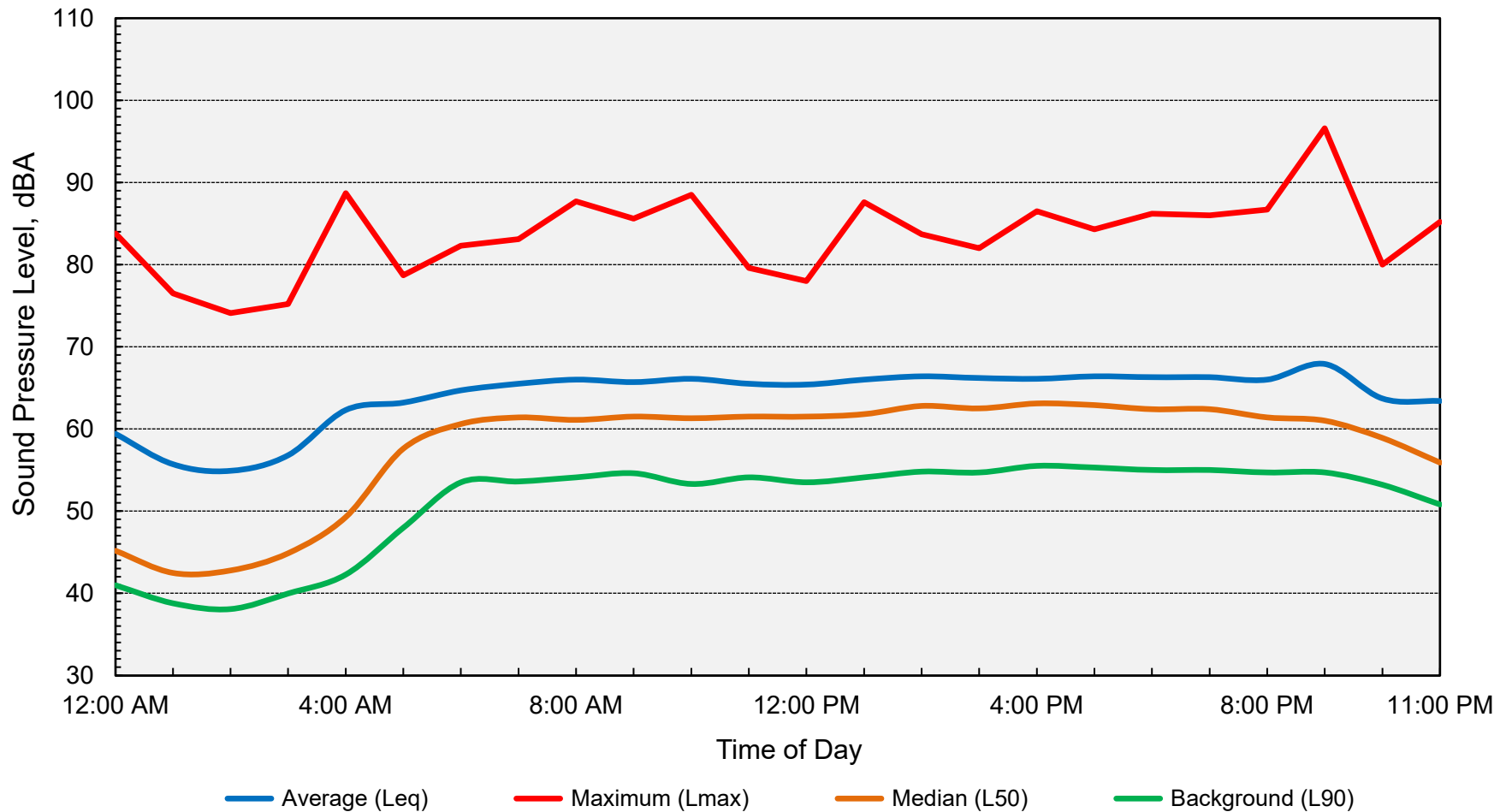
Appendix D-1
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Thursday, January 04, 2024



Computed DNL = 69 dB

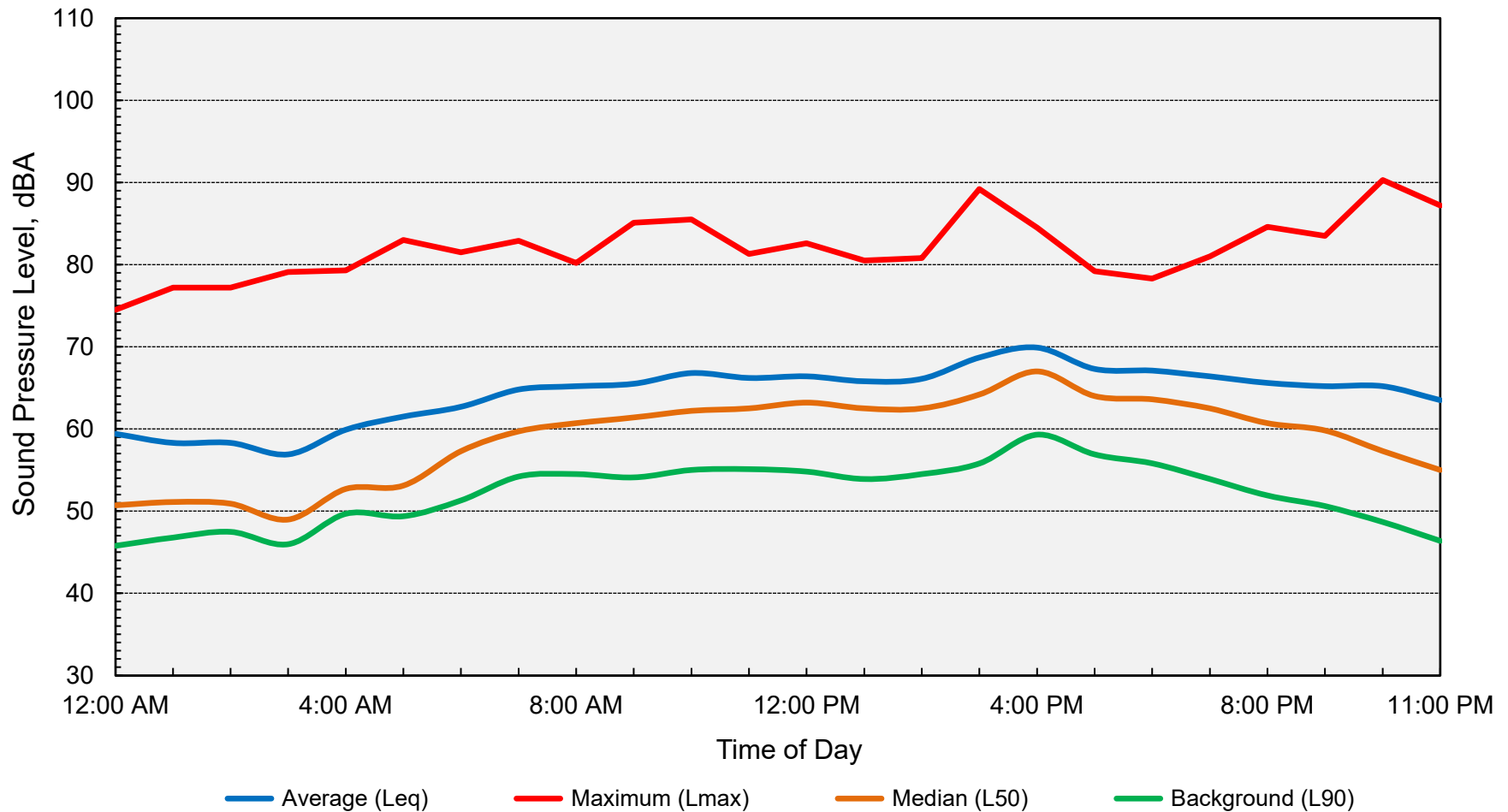


Appendix D-2
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Friday, January 05, 2024



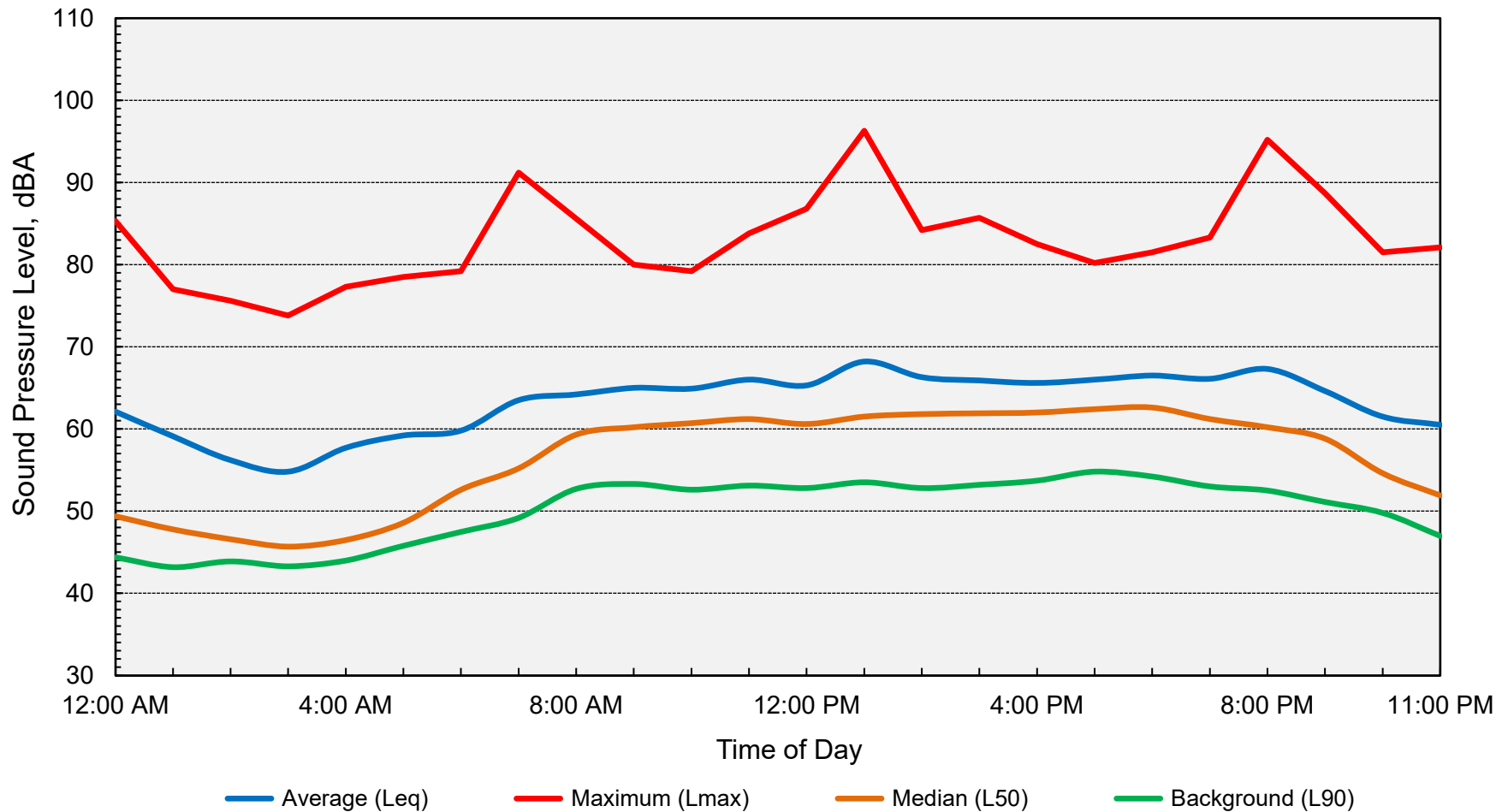
Computed DNL = 69 dB

Appendix D-3
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Saturday, January 06, 2024



Computed DNL = 69 dB

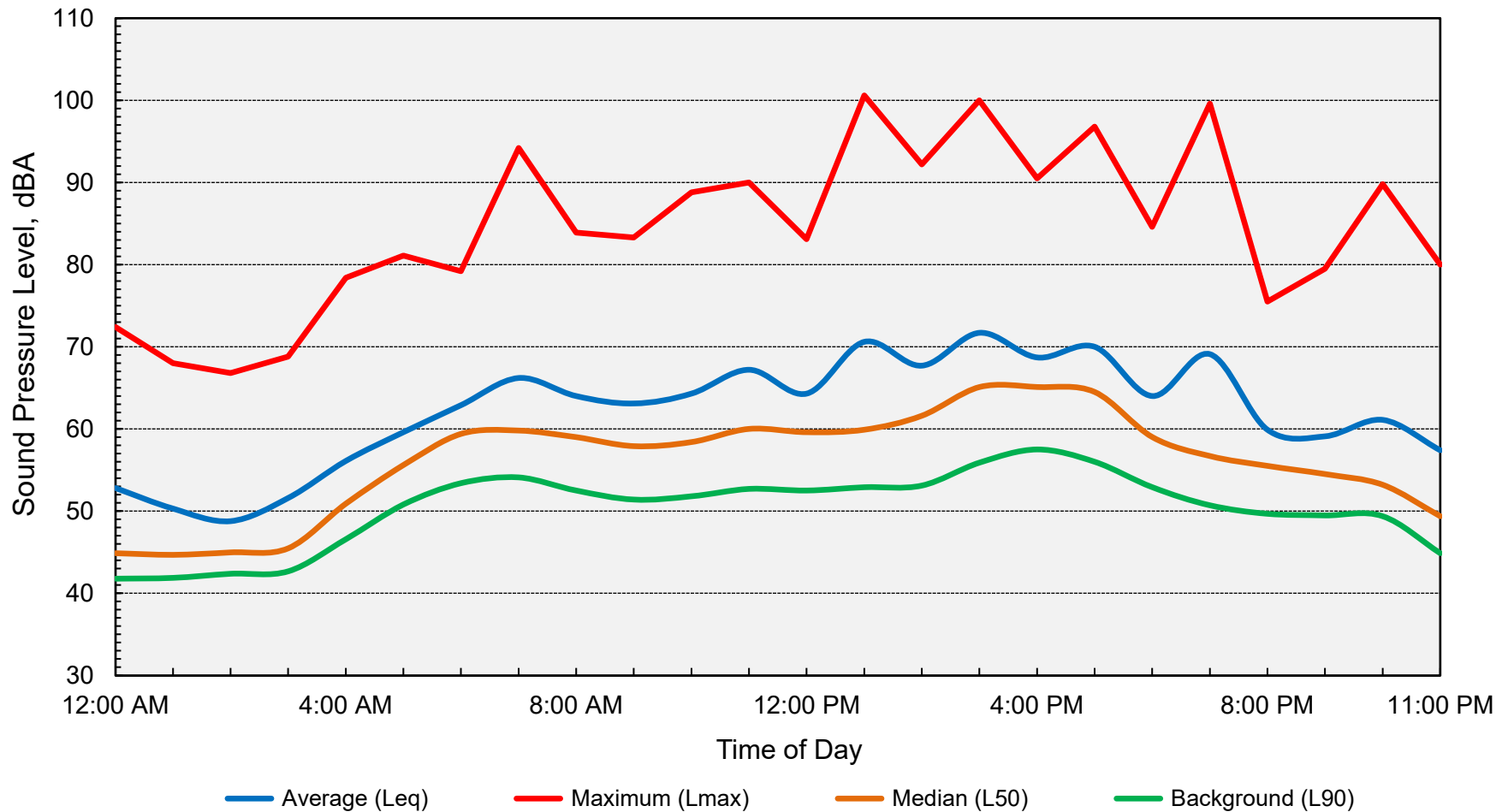
Appendix D-4
Long-Term Ambient Noise Monitoring Results - Site 1
Raising Cane's Store #991 - Morgan Hill, California
Sunday, January 07, 2024



Computed DNL = 68 dB

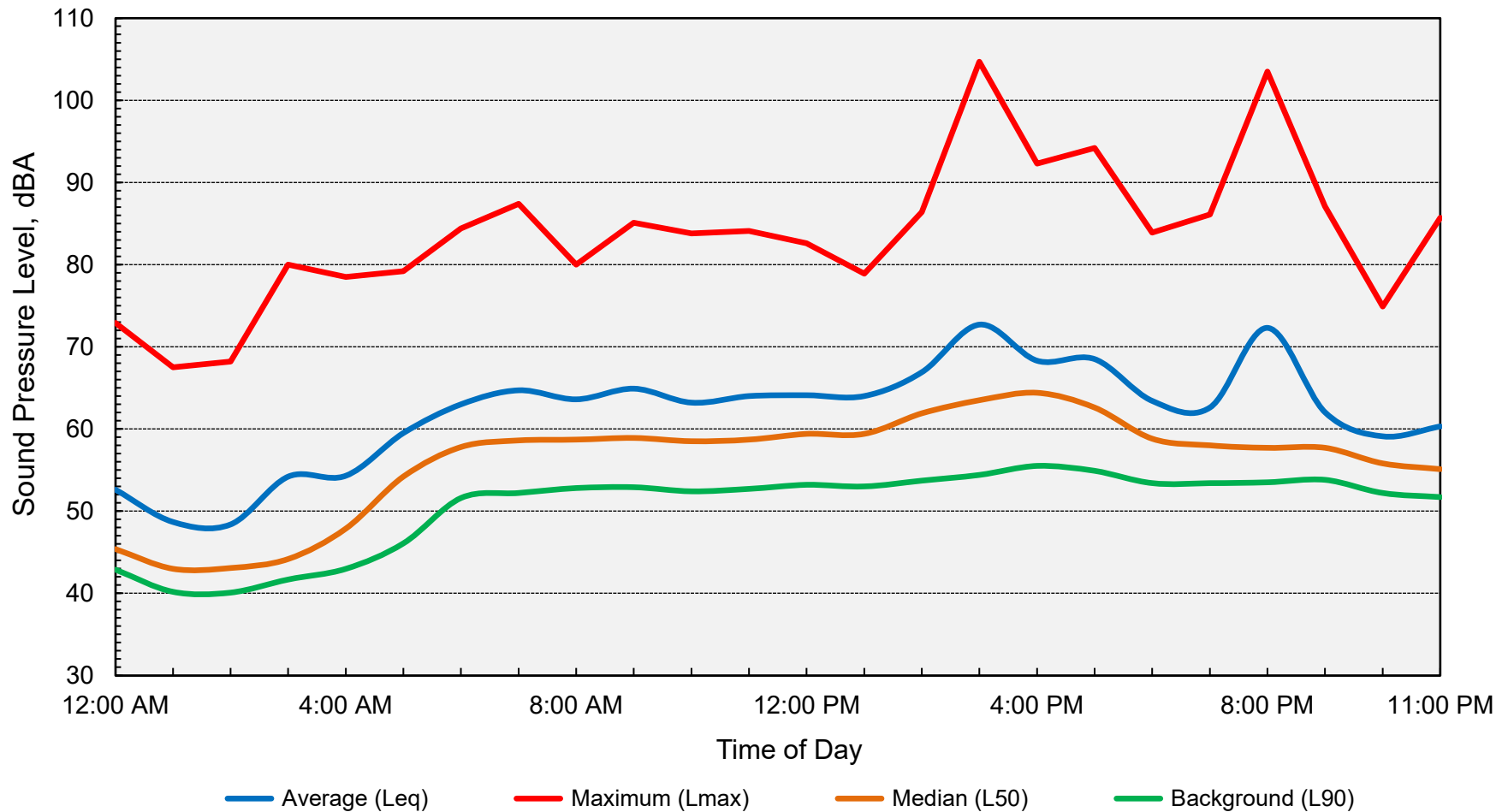


Appendix D-5
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Thursday, January 04, 2024



Computed DNL = 68 dB

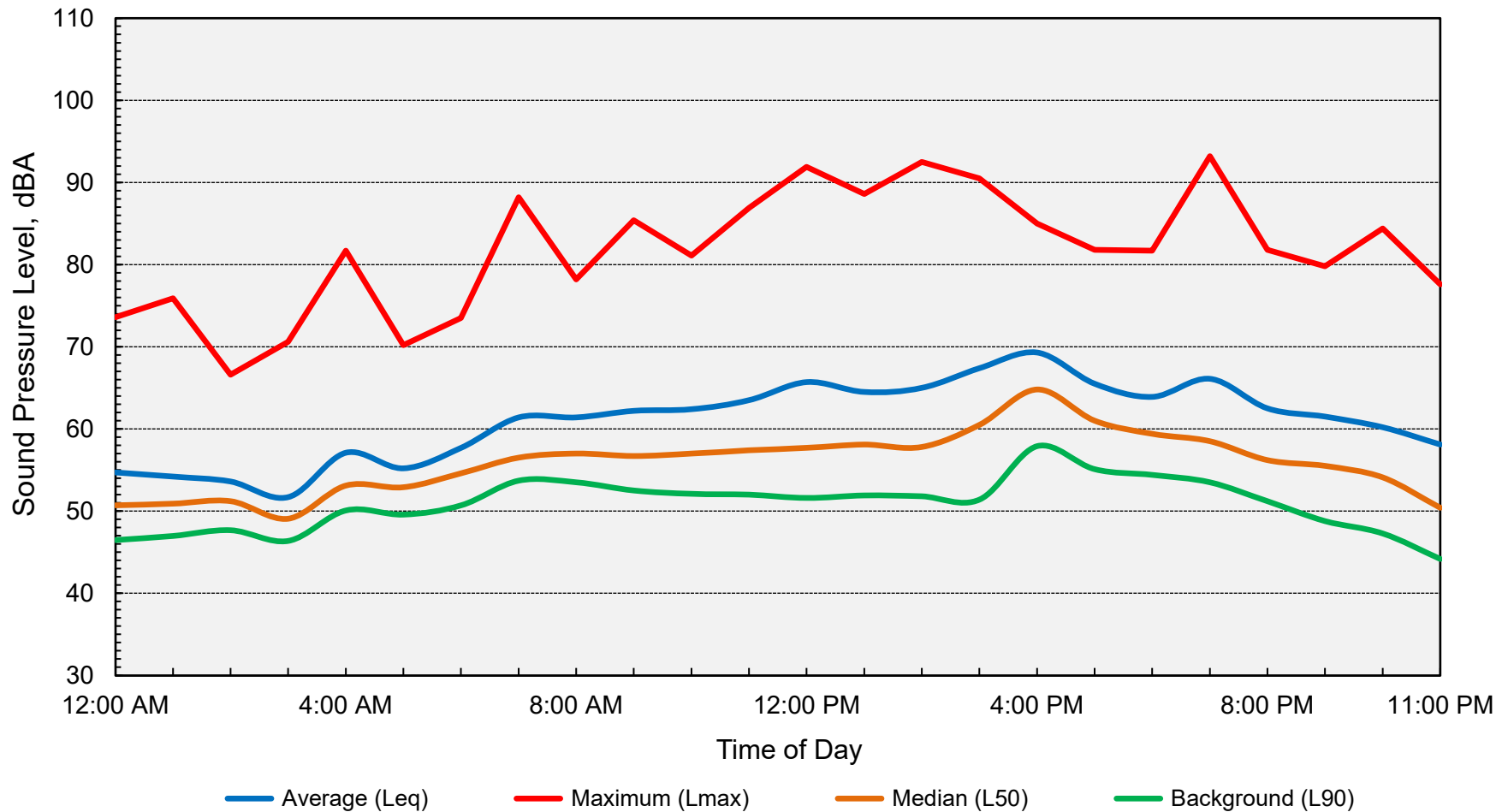
Appendix D-6
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Friday, January 05, 2024



Computed DNL = 67 dB

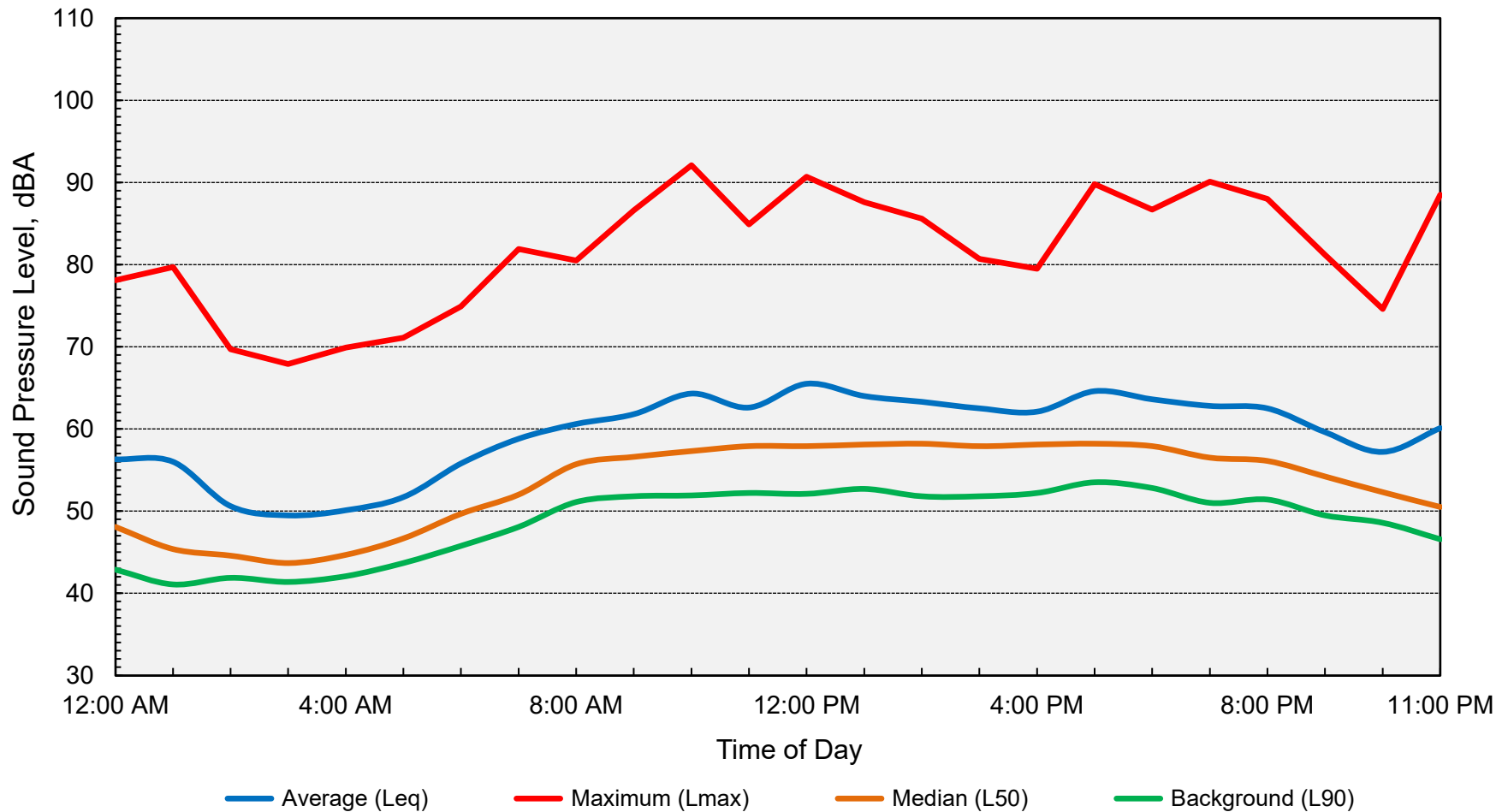


Appendix D-7
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Saturday, January 06, 2024



Computed DNL = 66 dB

Appendix D-8
Long-Term Ambient Noise Monitoring Results - Site 2
Raising Cane's Store #991 - Morgan Hill, California
Sunday, January 07, 2024



Computed DNL = 64 dB

Appendix E
FHWA Highway Traffic Noise Prediction Model Inputs
Project: Raising Cane's Store #991
File Name: Existing No Project
Run Date: 1/17/2024



#	Roadway	Description	ADT	Day %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance to Receptor	Offset (dB)
1	Cochrane Rd	West of Monterey Hwy	3,510	80	20	1	2	25	50	0
2	Cochrane Rd	Monterey Hwy to Butterfield Blvd	20,640	80	20	2	2	45	150	0
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	18,480	80	20	2	2	45	150	0
4	Cochrane Rd	Woodview Ave to Sutter Blvd	15,440	80	20	2	2	45	150	0
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	22,430	80	20	2	2	45	150	0
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	31,610	80	20	2	2	45	100	0
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	23,060	80	20	2	2	45	315	0
8	Cochrane Rd	East of US 101 NR Ramps	19,080	80	20	2	2	45	125	0
9	Monterey Hwy	North of Cochrane Rd	25,150	80	20	2	2	45	150	0
10	Monterey Hwy	South of Cochrane Rd	15,550	80	20	2	2	45	110	0
11	Butterfield Blvd	South of Cochrane Rd	13,600	80	20	2	2	45	75	0
12	Woodview Ave	North of Cochrane Rd	720	80	20	2	2	35	110	0
13	Skipper Ln	South of Cochrane Rd	1,190	80	20	1	2	25	100	0
14	Sutter Blvd	North of Cochrane Rd	700	80	20	2	2	35	75	0
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	7,110	80	20	2	2	35	100	0
16	Sutter Blvd	South of Checkerspot Ln	7,910	80	20	2	2	35	75	0
17	Checkerspot Ln	West of Sutter Blvd	560	80	20	1	2	25	200	0
18	Checkerspot Ln	East of Sutter Blvd	3,960	80	20	1	1	25	50	0
19	Madrone Pkwy	North of Cochrane Rd	9,430	80	20	1	2	35	75	0
20	Cochrane Plza	South of Cochrane Rd	4,920	80	20	1	1	25	50	0
21	US 101 SB Ramps	South of Cochrane Rd	8,010	80	20	2	2	70	100	0
22	US 101 NB Ramps	North of Cochrane Rd	2,250	80	20	2	2	70	200	0

Appendix F
FHWA Highway Traffic Noise Prediction Model Inputs
Project: Raising Cane's Store #991
File Name: Existing+Project
Run Date: 1/17/2024



#	Roadway	Description	ADT	Day %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance to Receptor	Offset (dB)
1	Cochrane Rd	West of Monterey Hwy	3,510	80	20	1	2	25	50	0
2	Cochrane Rd	Monterey Hwy to Butterfield Blvd	20,890	80	20	2	2	45	150	0
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	18,590	80	20	2	2	45	150	0
4	Cochrane Rd	Woodview Ave to Sutter Blvd	15,690	80	20	2	2	45	150	0
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	22,620	80	20	2	2	45	150	0
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	31,810	80	20	2	2	45	100	0
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	23,160	80	20	2	2	45	315	0
8	Cochrane Rd	East of US 101 NR Ramps	19,100	80	20	2	2	45	125	0
9	Monterey Hwy	North of Cochrane Rd	25,190	80	20	2	2	45	150	0
10	Monterey Hwy	South of Cochrane Rd	15,760	80	20	2	2	45	110	0
11	Butterfield Blvd	South of Cochrane Rd	13,820	80	20	2	2	45	75	0
12	Woodview Ave	North of Cochrane Rd	720	80	20	2	2	35	110	0
13	Skipper Ln	South of Cochrane Rd	1,710	80	20	1	2	25	100	0
14	Sutter Blvd	North of Cochrane Rd	700	80	20	2	2	35	75	0
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	7,050	80	20	2	2	35	100	0
16	Sutter Blvd	South of Checkerspot Ln	7,880	80	20	2	2	35	75	0
17	Checkerspot Ln	West of Sutter Blvd	610	80	20	1	2	25	200	0
18	Checkerspot Ln	East of Sutter Blvd	3,980	80	20	1	1	25	50	0
19	Madrone Pkwy	North of Cochrane Rd	9,430	80	20	1	2	35	75	0
20	Cochrane Plza	South of Cochrane Rd	4,920	80	20	1	1	25	50	0
21	US 101 SB Ramps	South of Cochrane Rd	8,060	80	20	2	2	70	100	0
22	US 101 NB Ramps	North of Cochrane Rd	2,250	80	20	2	2	70	200	0

Appendix G
FHWA Highway Traffic Noise Prediction Model Inputs
Project: Raising Cane's Store #991
File Name: Cumulative No Project
Run Date: 1/17/2024



#	Roadway	Description	ADT	Day %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance to Receptor	Offset (dB)
1	Cochrane Rd	West of Monterey Hwy	3,510	80	20	1	2	25	50	0
2	Cochrane Rd	Monterey Hwy to Butterfield Blvd	27,610	80	20	2	2	45	150	0
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	23,440	80	20	2	2	45	150	0
4	Cochrane Rd	Woodview Ave to Sutter Blvd	19,280	80	20	2	2	45	150	0
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	28,190	80	20	2	2	45	150	0
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	39,000	80	20	2	2	45	100	0
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	31,310	80	20	2	2	45	315	0
8	Cochrane Rd	East of US 101 NR Ramps	28,160	80	20	2	2	45	125	0
9	Monterey Hwy	North of Cochrane Rd	32,820	80	20	2	2	45	150	0
10	Monterey Hwy	South of Cochrane Rd	19,480	80	20	2	2	45	110	0
11	Butterfield Blvd	South of Cochrane Rd	20,250	80	20	2	2	45	75	0
12	Woodview Ave	North of Cochrane Rd	720	80	20	2	2	35	110	0
13	Skipper Ln	South of Cochrane Rd	2,540	80	20	1	2	25	100	0
14	Sutter Blvd	North of Cochrane Rd	830	80	20	2	2	35	75	0
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	9,670	80	20	2	2	35	100	0
16	Sutter Blvd	South of Checkerspot Ln	8,670	80	20	2	2	35	75	0
17	Checkerspot Ln	West of Sutter Blvd	910	80	20	1	2	25	200	0
18	Checkerspot Ln	East of Sutter Blvd	1,910	80	20	1	1	25	50	0
19	Madrone Pkwy	North of Cochrane Rd	11,520	80	20	1	2	35	75	0
20	Cochrane Plza	South of Cochrane Rd	4,960	80	20	1	1	25	50	0
21	US 101 SB Ramps	South of Cochrane Rd	8,110	80	20	2	2	70	100	0
22	US 101 NB Ramps	North of Cochrane Rd	3,420	80	20	2	2	70	200	0

Appendix H
FHWA Highway Traffic Noise Prediction Model Inputs
Project: Raising Cane's Store #991
File Name: Cumulative+Project
Run Date: 1/17/2024



#	Roadway	Description	ADT	Day %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance to Receptor	Offset (dB)
1	Cochrane Rd	West of Monterey Hwy	3,510	80	20	1	2	25	50	0
2	Cochrane Rd	Monterey Hwy to Butterfield Blvd	27,860	80	20	2	2	45	150	0
3	Cochrane Rd	Butterfield Blvd to Woodview Ave	23,550	80	20	2	2	45	150	0
4	Cochrane Rd	Woodview Ave to Sutter Blvd	19,550	80	20	2	2	45	150	0
5	Cochrane Rd	Sutter Blvd to Cochrane Plza	28,400	80	20	2	2	45	150	0
6	Cochrane Rd	Cochrane Plza to US 101 SB Ramps	39,200	80	20	2	2	45	100	0
7	Cochrane Rd	US 101 SB Ramps to US 101 NB Ramps	31,410	80	20	2	2	45	315	0
8	Cochrane Rd	East of US 101 NR Ramps	28,180	80	20	2	2	45	125	0
9	Monterey Hwy	North of Cochrane Rd	32,860	80	20	2	2	45	150	0
10	Monterey Hwy	South of Cochrane Rd	19,690	80	20	2	2	45	110	0
11	Butterfield Blvd	South of Cochrane Rd	20,470	80	20	2	2	45	75	0
12	Woodview Ave	North of Cochrane Rd	720	80	20	2	2	35	110	0
13	Skipper Ln	South of Cochrane Rd	3,080	80	20	1	2	25	100	0
14	Sutter Blvd	North of Cochrane Rd	830	80	20	2	2	35	75	0
15	Sutter Blvd	Cochrane Rd to Checkerspot Ln	9,610	80	20	2	2	35	100	0
16	Sutter Blvd	South of Checkerspot Ln	8,640	80	20	2	2	35	75	0
17	Checkerspot Ln	West of Sutter Blvd	940	80	20	1	2	25	200	0
18	Checkerspot Ln	East of Sutter Blvd	1,910	80	20	1	1	25	50	0
19	Madrone Pkwy	North of Cochrane Rd	11,520	80	20	1	2	35	75	0
20	Cochrane Plza	South of Cochrane Rd	4,980	80	20	1	1	25	50	0
21	US 101 SB Ramps	South of Cochrane Rd	8,160	80	20	2	2	70	100	0
22	US 101 NB Ramps	North of Cochrane Rd	3,420	80	20	2	2	70	200	0

Appendix I

Drive-Through Speaker Reference Noise Level Data

HME

Customer Driven

Memo

Re: Drive-Thru Sound Pressure Levels From the Menu Board or Speaker Post

The sound pressure levels from the menu board or speaker post are as follows:

1. Sound pressure level (SPL) contours (A weighted) were measured on a typical HME SPP2 speaker post. The test condition was for pink noise set to 84 dBA at 1 foot in front of the speaker. All measurements were conducted outside with the speaker post placed 8 feet from a non-absorbing building wall and at an oblique angle to the wall. These measurements should not be construed to guarantee performance with any particular speaker post in any particular environment. They are typical results obtained under the conditions described above.
2. The SPL levels are presented for different distances from the speaker post:

Distance from the Speaker (Feet)	SPL (dBA)
1 foot	84 dBA
2 feet	78 dBA
4 feet	72 dBA
8 feet	66 dBA
16 feet	60 dBA
32 feet	54 dBA

3. The above levels are based on factory recommended operating levels, which are preset for HME components and represent the optimum level for drive-thru operations in the majority of the installations.

Also, HME incorporates automatic volume control (AVC) into many of our Systems. AVC will adjust the outbound volume based on the outdoor, ambient noise level. When ambient noise levels naturally decrease at night, AVC will reduce the outbound volume on the system. See below for example:

Distance from Outside Speaker	Decibel Level of standard system with 45 dB of outside noise <u>without</u> AVC	Decibel level of standard system with 45 dB of outside noise <u>with</u> AVC active
1 foot	84 dBA	60 dBA
2 feet	78 dBA	54 dBA
4 feet	72 dBA	48 dBA
8 feet	66 dBA	42 dBA
16 feet	60 dBA	36 dBA

If there are any further questions regarding this issue please contact HME customer service at 1-800-848-4468.

Thank you for your interest in HME's products.

Appendix G

Vehicle Miles Traveled Assessment



Memorandum

Date: March 1, 2024
To: Nick Pappani, Raney Planning & Management
From: Robert Del Rio, T.E., Luis Descanzo
Subject: VMT Assessment for the Proposed 18590 Skipper Lane Raising Cane's in Morgan Hill, California

Hexagon Transportation Consultants, Inc. has completed a vehicle-miles traveled (VMT) assessment for the proposed Raising Cane's restaurant located at 18590 Skipper Lane (APN 726-58-001 and -002) in Morgan Hill, California (see Figure 1). The site consists of an undeveloped parcel and is located within the approved Evergreen Village commercial development. As proposed, the project would consist of a 2,899 s.f. Raising Cane's restaurant with two drive-through lanes. The purpose of this memorandum is to provide an assessment of the project's effect on VMT. The VMT assessment methodology and results are discussed below.

VMT Assessment Methodology and Results

Pursuant to Senate Bill (SB) 743, the California Environmental Quality Act (CEQA) 2019 Update Guidelines Section 15064.3, subdivision (b) states that VMT will be the metric in analyzing transportation impacts for land use projects for CEQA purposes. VMT is the total miles of travel by personal motorized vehicles a project is expected to generate in a day. VMT measures the full distance of personal motorized vehicle-trips with one end within the project.

The City of Morgan Hill, at the time of this report, is undertaking a process of updating its transportation policies to incorporate VMT methodologies and significance thresholds to be consistent with SB 743 but has not adopted thresholds to date. The new policies will replace the City's current transportation policies that are based on levels of service¹. In the absence of an adopted City policy with impact standards and thresholds, this assessment relies on the Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA*, December 2018 in analyzing the project's effects on VMT.

OPR Screening Recommendations

The *Technical Advisory on Evaluating Transportation Impacts in CEQA* published by OPR in December 2018 provides recommendations regarding VMT evaluation methodology, significance thresholds, and screening thresholds for the evaluation of land use projects. The OPR provides screening threshold recommendations that are intended to identify when a project can be determined to cause a less-than-significant impact without conducting a detailed VMT evaluation. The OPR screening thresholds recommendations are based on project size, maps, transit availability, and provision of affordable housing. The OPR recommendations include the screening threshold criteria listed below:

¹ For non-CEQA related purposes, local agencies may continue to evaluate adverse effects to intersection operations based on level of service.

Figure 1
Site Location

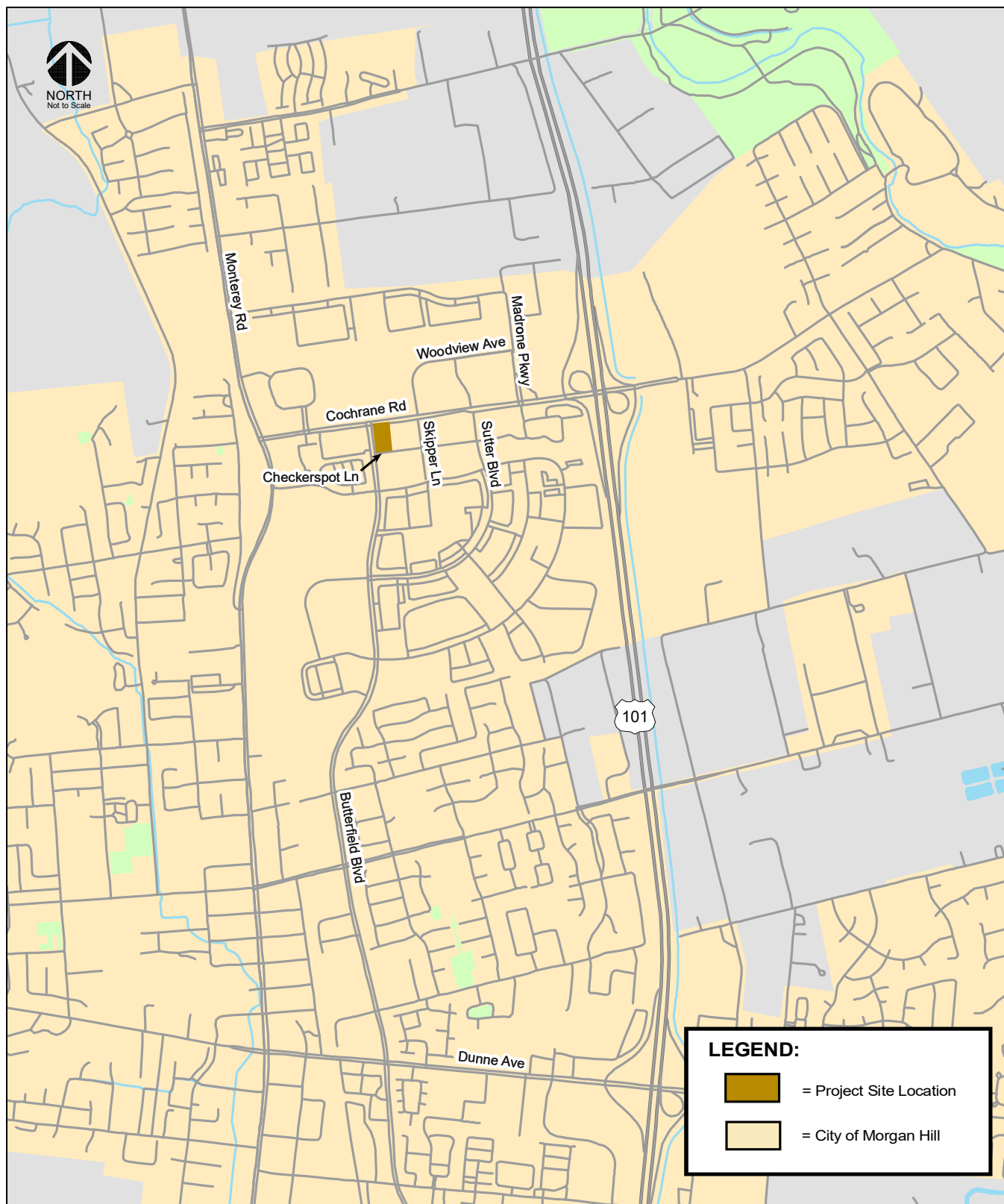
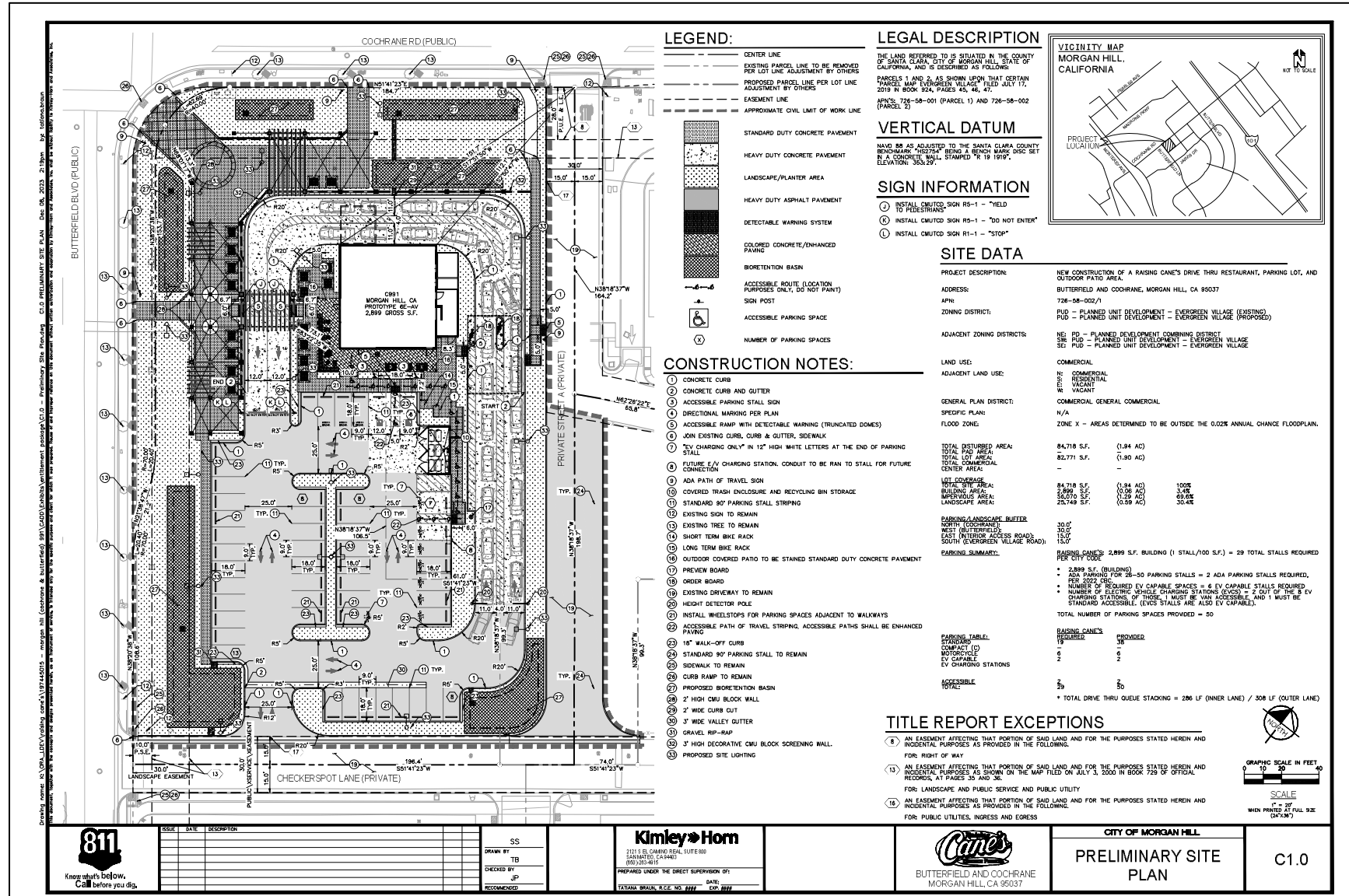


Figure 2
Site Plan

- OPR recommends that office or residential projects not exceeding a level of 15 percent below existing VMT per capita and employee may indicate a less-than-significant impact on VMT.
- OPR recommends that projects (including office, residential, retail, and mixed-use developments) proposed within ½ mile of an existing major transit stop or within ¼ mile of an existing stop along a high-quality transit corridor may be presumed to have a less-than-significant impact on VMT.
- OPR recommends that 100 percent affordable residential development in infill locations be presumed to have a less-than-significant impact on VMT.
- OPR recommends that projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant impact on VMT.
- ***OPR recommends that local-serving retail developments (considered to be less than 50,000 s.f. in size) may be assumed to cause a less-than-significant impact on VMT.***

However, the guidelines for the evaluation of VMT for development projects is limited to general land use categories such as residential, office, industrial, and retail. Therefore, the assessment of VMT for the proposed fast-food restaurant required a conversion to an equivalent amount of one of the general land uses that has similar trip generating and trip origin/destination characteristics. The number and origination/destination of daily trips and resulting VMT generated by the proposed fast-food restaurant available within the City would be similar to that of local-serving retail since there is not another Raising Cane's restaurant located within the City. As such, the proposed project would provide service to City residents that does not exist today. Therefore, the proposed fast-food restaurant was converted to an equivalent amount of local-serving retail space based on a comparison of estimated daily trips using ITE trip rates for the proposed fast-food restaurant and typical retail uses.

Daily Trip Generation Estimates

Through empirical research, data have been collected that indicate the amount of traffic that can be expected to be generated by common land uses. Project trip generation was estimated by applying to the size and use of the development the appropriate trip generation rates. The average trip generation rates for Fast-Food Restaurant with Drive-Through Window (Land Use 934) as published in the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition* (2021) were applied to the proposed project size of 2,899 square feet. Based on the trip generation rates and the project size, it is estimated that, prior to any trip reductions, the proposed development would generate 1,355 daily trips.

Fast-food restaurants with drive-through windows attract a substantial number of pass-by trips, which are trips made by drivers who already pass by the project site on an adjacent street en route to another destination, such as work to home. In contrast, primary (non-pass-by) trips are new trips made for the sole purpose of visiting the project site. Thus, pass-by trips are not considered new trips that are generated by the project site. However, the attraction of pass-by trips does result in a reassignment of existing through traffic (i.e. along Cochrane Road, Butterfield Boulevard and Sutter Boulevard) at intersections immediately adjacent to the project site. A 50 percent pass-by reduction was assumed for the estimated daily trips.

After subtracting pass-by trips, the project is expected to generate 677 primary vehicle trips per day. Trip generation estimates for the proposed project are shown in Table 1.

Table 1
Trip Generation Summary

Land Use	Size (sf)	Daily		PM Peak-Hour			
		Rate	Trips	Rate	In	Out	Total
Proposed Project							
Fast-Food Restaurant with Drive-Through Window	2,899	467.48	1,355	33.03	50	46	96
Pass-by Reduction (50%) ¹			-678		-25	-23	-48
Net Project Trips			677		25	23	48
Source: ITE Trip Generation Manual, 11 th Edition 2021.							
Notes:							
¹ Pass-by trip reduction percentage is assumed to be 50% of daily and PM peak-hour trips.							

VMT Assessment Results

VMT Evaluation Using OPR Screening Criteria

The proposed project consists of a 2,899 s.f. fast food restaurant. The proposed project was converted to an equivalent amount of retail/commercial use for the purpose of the VMT assessment since the OPR screening criteria outlined above are not directly applicable to fast food restaurant uses. The results of the conversion of the proposed fast-food restaurant to an equivalent amount of retail/commercial space, shown on Table 2, indicate that the proposed fast-food restaurant would generate net new daily trips equivalent to that of an approximately 18,500 s.f. retail development. If no pass-by reduction is applied, the proposed fast-food restaurant would generate daily trips equivalent to that of an approximately 37,000 s.f. retail development.

Table 2
Conversion to Equivalent Retail Space

Land Use	Size	Daily	
		Rate	Trips
Proposed Restaurant (with pass-by reduction) ^{1, 2}			677
Retail (ITE #820) ³	Equivalent Retail Space⁴ = 18,500 Square Feet	37.01	677
Proposed Restaurant (without pass-by reduction) ¹			1,355
Retail (ITE #820) ³	Equivalent Retail Space⁴ = 37,000 Square Feet	37.01	1,355
Notes: ¹ Daily trips are based on daily rates published in the ITE Trip Generation Manual, 11th Edition for Land Use Code 934: Fast-Food Restaurant with Drive-Through. ² Pass-by trip reduction percentage is assumed to be 50% of daily and PM peak-hour trips. ³ ITE <i>Trip Generation Manual</i> , 11 th Edition 2021. ⁴ The equivalent retail space were rounded up to the next 500 square feet.			

Since the project's converted retail size, with or without pass-by reductions, would be less than 50,000 s.f., the proposed project may be presumed to be a local-serving facility and would therefore have a less-than-significant impact on VMT. The OPR guidelines suggest that by adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Raising Cane's, in particular, does not have a significant presence in the Bay Area, with restaurants in Oakland and Modesto being the closest to Morgan Hill. The proposed new Morgan Hill location will provide a proximate location for City residents to a Raising Cane's restaurant, thus resulting in shorter trips and subsequent reduction in VMT generated by Morgan Hill residents for the purpose of visiting a Raising Cane's location. Moreover, the trip generation estimates assume a significant number of trips will be pass-by trips. As discussed above, pass-by trips are not considered new trips and merely result in a reassignment of existing through traffic (i.e. along Cochrane Road and Butterfield Boulevard) at site driveways and intersections immediately adjacent to the project site. These pass-by trips are already accounted for in the baseline VMT and are not new VMT generated by the proposed project.

As a result of the project's trip-making characteristics of a local-serving retail facility, it can be presumed that the proposed project would have a less-than-significant impact on VMT based on OPR's VMT screening criteria.

Quantitative VMT Evaluation

For informational purposes, the VMT assessment was supplemented with a quantitative analysis of the project's effects on VMT. The VTA Countywide transportation model was used to estimate VMT for the proposed retail/fast-food use of the project site since it can estimate the diversion of traffic and change in traffic patterns due to land use changes/additions like those proposed by the project. The VTA model is a mathematical representation of travel within Santa Clara County and is mainly composed of four components: 1) trip generation, 2) trip distribution, 3) mode choice, and 4) trip assignment. The model uses socioeconomic inputs (i.e. households, number of jobs, travel mode-share defaults) to estimate travel within Santa Clara County. Socioeconomic inputs are aggregated into geographic areas or traffic analysis zones (TAZs). The underlying premise of the VMT evaluation is that the proposed retail/fast-food uses would not cause an increase in trips but rather result in a change in trip-making characteristics because some people would visit the proposed project instead of other nearby fast-food establishments. The VTA model is general in its categorization of commercial, restaurant, retail type of land uses. Therefore, in order to estimate the effects on VMT for the fast-food use of the proposed project with the model, the qualitative evaluation utilizes a converted square footage of 37,000 s.f. of commercial space (based on 1,355 daily trips) as described previously. The equivalent retail space was then converted to 93 retail jobs using a ratio of one retail job per 400 square feet.

Hexagon selected Traffic Analysis Zones (TAZ) within the model that included fast-food uses similar to the proposed project (see Figure 3). For the purpose of modeling VMT, some employees were assumed to leave their jobs at these nearby shopping centers and instead work at the proposed project site. In order to reflect this, an equivalent number of retail jobs from TAZs (334, 332, 358, 348, 345, 347, 354) were shifted to the project TAZ (336). These job changes were made in the 2015 base year land use file. The VTA model was then used to generate projected daily VMT without and with the project for the selected TAZs to estimate the change in daily VMT (see Table 3). The analysis includes an estimate of home-based work VMT (VMT generated by restaurant employees) and home-based shopping VMT (VMT generated by customers) of 178,223 and 122,170, respectively, for the selected TAZs.

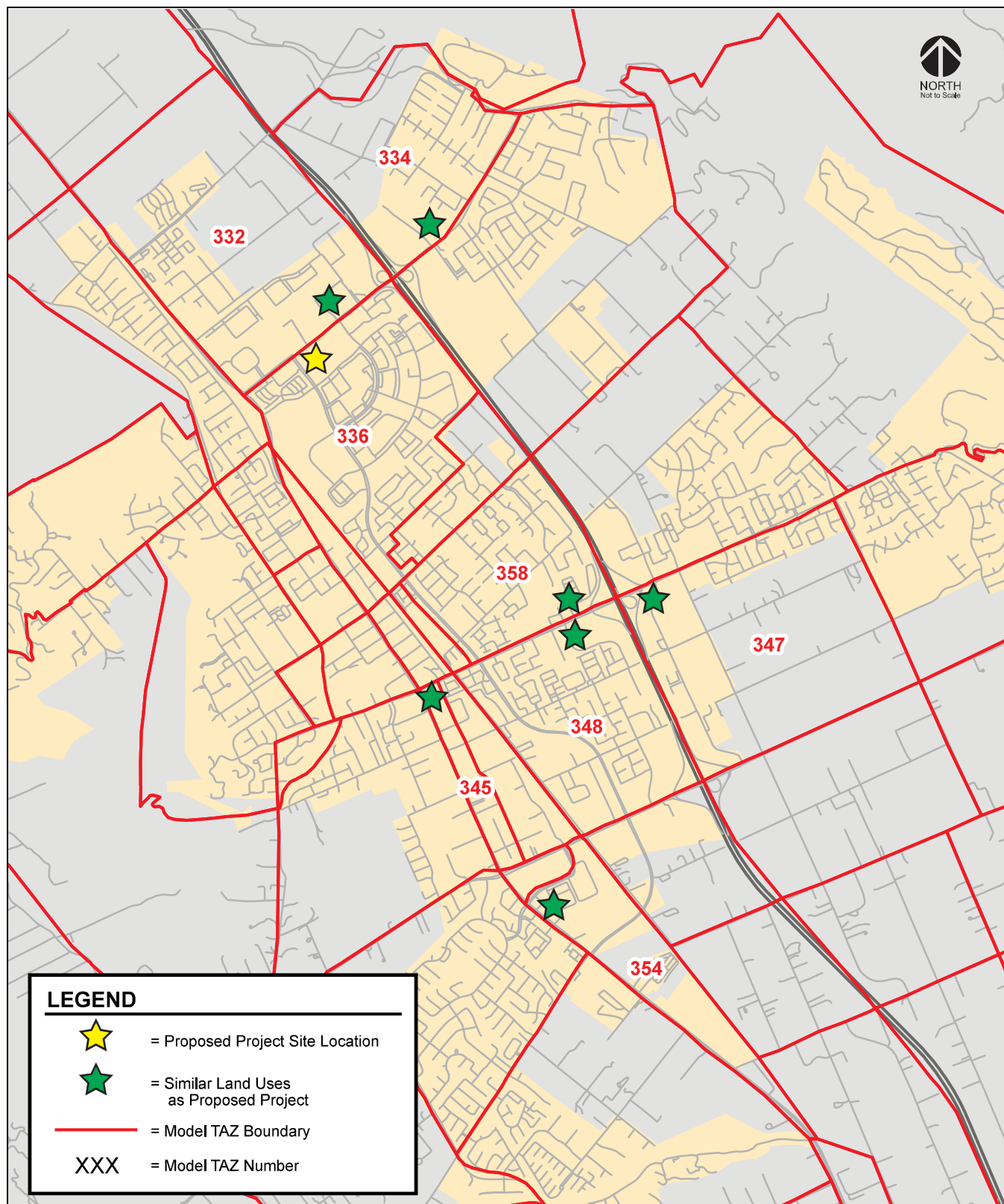
Table 3
Retail VMT Analysis

VMT Analysis	No Project	Project	Project - No Project
Home-Based Work VMT	178,223	178,373	150
Home-Based Shop/Other VMT	122,170	121,693	-477
Total VMT	300,393	300,066	-327
Source: VTA Travel Demand Model (2015)			

The model results show that the proposed project would result in an increase of 150 home-based work VMT and a decrease of 477 home-based shopping VMT, resulting in a net decrease of 327 daily VMT. The net reduction in VMT is the result of the project providing a new fast-food option in northern Morgan Hill proximate to nearby residents and employment areas, thus resulting in shorter trips and subsequent reduction in VMT generated by customers.

The thresholds of significance for retail development projects, as recommended in the OPR technical advisory, are based on the existing regional average total VMT. Per the technical advisory, projects that include retail uses are said to create a significant adverse impact on VMT when the project results in any increase in the total VMT. The project would not have an impact on the transportation system based on OPR's recommended VMT impact criteria since the VMT analysis shows that the proposed project would result in a reduction in total daily VMT.

Figure 3
Similar Land Uses in the Project Vicinity



PLANNING COMMISSION STAFF REPORT

MEETING DATE: April 23, 2024

PREPARED BY:
Rich Buikema, Contract Planner
APPROVED BY: Jennifer Carman

UP2024-0001: CONDIT-FIFTH ELEMENT FITNESS

RECOMMENDATION(S)

1. Open/close public hearing; and
2. Adopt a Resolution approving a Conditional Use Permit for an approximately 10,000 square foot indoor commercial recreation facility.

LOCATION MAP/PROJECT INFORMATION:



1. Location: West side of Condit Road, 1200 feet north of Tennant Ave (817-13-026)
2. Site Area: 1 Acre
3. General Plan: Commercial
4. Zoning: PUD
5. Request: Request for a Conditional Use Permit to construct a 10,500 square foot commercial indoor recreation facility within an existing building on a 1 acre lot.



BACKGROUND:

In September 2000, the City Council approved a zoning amendment (Ordinance No. 1488) that established a Planned Unit Development (PUD) District on the west side of Condit Road, extending from Dunne Avenue south to Tennant Avenue. Given its excellent visibility from and access to Highway 101, the objective of the PUD was to include uses that would serve the needs of the traveling public and sub-regional shopping needs of the area. The PUD District was a City-initiated zoning amendment in response to the Council's concern regarding an over-concentration of motels within this defined area on the east side of Highway 101. The PUD limited the number of hotels and required a Use Permit for commercial recreation of any size.

In February 2008, City-initiated amendments to the Condit PUD Guidelines were approved that removed some of the zoning restrictions that were identified as being economic inhibitors. (see attached). The PUD was amended to provide more flexibility as follows:

- Allow Commercial indoor recreation (less than 3,000 square feet) as a permitted use.
- Allow Commercial indoor recreation greater than 3,000 square feet as a conditional use.
- Remove the prohibition on commercial uses that are not supportive of hotel uses while maintaining the prohibition of grocery, supermarket, and drug stores.
- Allow additional motor vehicle sales provided that no more than two such uses involve outdoor sales display.
- Allow financial services and professional offices limited to the second floor and above locations.
- Allow school, business trade, or tutoring as a permitted use.

As the proposed indoor recreation facility exceeds 3,000 square feet, a Conditional Use Permit from the Planning Commission is required. The application was filed on March 1, 2024.

PROJECT DESCRIPTION:

A Conditional Use Permit is requested to allow the use of an existing 10,500-square-foot building for an indoor recreation facility. No expansion or external alteration to the existing building is proposed. The building was previously used for retail sales purposes by Patio World. According to the Statement of Operations, 5th Element Fitness will have monthly memberships for gym access and group classes. They will also provide specialty classes and host community events. Retail sales of apparel and items such as water bottles and towels will be available. The facility will operate from 5:30 a.m. - 9:00 p.m. on Monday through Friday and from 6 a.m. to 4 p.m. on Saturdays. They expect to have from 4-10 employees.

Site Description

The one-acre site is located on the west side of Condit Road, approximately 1200 feet northerly of Tennant Road. It is adjacent to a motorcycle sales facility (House of Thunder) to the south and a hotel (Comfort Inn) to the north. The Morgan Hill Aquatics Center is on the opposite side of Condit Road to the east. Cross access exists between the parking lot and the parking on the adjacent motorcycle sales use as required by the original PUD. The Condit PUD encourages shared ingress/egress. When first developed, the PUD required property owners to provide a letter to the City of Morgan Hill Planning Director stating an individual owner was willing to enter into a reciprocal access, parking and maintenance agreement with the adjacent owners. This letter was required before building permits would be issued. A reciprocal access agreement from 2007 was created between the subject property and neighbors to the north and south.

Surrounding Uses

	General Plan Land Use	Zoning	Existing Use
North	Commercial	PUD - CG	Hotel
South	Commercial	PUD- CG	Vehicle Sales
East	Public Facilities	PF - Public Facilities	Aquatics Center
West	Open Space	OS - Open Space	Landscapin g

PROJECT ANALYSIS AND FINDINGS:

ANALYSIS

The proposed project was analyzed with respect to conformance with: 1) Morgan Hill 2035 General Plan; 2) Zoning Ordinance; and 3) California Environmental Quality Act:

1. Morgan Hill 2035 General Plan

The proposed project is consistent with the Commercial General Plan land use designation that is primarily located along arterial roadways west of Highway 101 and along the eastern freeway frontage. This designation is intended to allow a wide range of retail businesses, administrative and executive office uses, and professional services, either in a stand-alone building or as part of shopping centers.

The proposed project aligns with the following General Plan Policies that are relevant to the proposed Use Permit.

Policy ED 4.10 Regional Freeway Visibility and Access. Encourage the location of tourist- and recreation-oriented commercial development and support facilities along the freeway.

Policy CNF-12.3 Neighborhood-serving Retail in Neighborhood Centers. Encourage neighborhood-serving retail and service uses that promote community health, and social interaction within neighborhood centers, such as small grocery stores, cafés, or recreational uses.

.2. Zoning Ordinance

Commercial Recreation, Indoor is defined as a commercial recreation facility primarily located indoors. It includes gymnasiums, health clubs, bowling alleys, indoor tennis and racquet courts, indoor swimming pools, laser tag and other similar games, indoor batting cages, electronic arcade games, pool halls, and other similar uses. A commercial recreation facility in excess of 3,000 square feet is a conditional use in the PUD district and requires a Conditional Use Permit. As no expansion or alteration is proposed to the existing building, it will remain in conformance with the development standards of the PUD district except for the parking standard.

The Zoning Ordinance parking requirements for a Health Club (1 per 150 sq. ft) is more than what is required for a retail use (1 per 250 sq. ft.). As such, the proposed use will require approximately 70 stalls that exceeds the 40 stalls that exist on the site.

The applicant is seeking a reduction of the amount of required parking in accordance with Zoning Code section 18.72.050 given the operational characteristics of the proposed use, which is expected to have a lower parking demand than a typical athletic club as described in the attached statement of operations.

Staff is recommending a condition of approval that either a Parking Demand Study be conducted to be approved by the community development director in consultation with the City Engineer that demonstrates that the demand for parking for the proposed commercial recreation facility will not exceed the amount presently available on the site or present a letter of agreement with the southern neighbor that surplus parking is allowed on the adjacent property to the south.

c. Conditional Use Permit Findings

In reviewing the application for a Conditional Use Permit, the Planning Commission shall consider the following:

1. The proposed use is allowed in the applicable district.

A commercial recreation facility in excess of 3,000 square feet is a conditional use in the PUD district and requires a Conditional Use Permit.

2. The proposed use is consistent with the General Plan, Zoning Code, and any applicable specific plan or area adopted by the City Council.

The proposed use is a commercial use that is consistent with the Commercial General Plan designation on the site. As previously indicated, the project is consistent with the PUD zoning on the property. The proposed site plan conforms with the Development Standards of the PUD district. The applicant is seeking a reduction in the amount of required parking given the unique operational characteristics of the proposed use which differentiates it from a typical athletic club.

3. The site is suitable for the proposed use.

The site is appropriately zoned and of adequate size to accommodate the proposed use. Cross access is provided between the neighboring parcels to facilitate on-site circulation.

4. The location, size, design, and operating characteristics of the proposed use will be compatible with the existing and future land uses in the vicinity of the property.

The proposed use is located within a primarily commercial area and shares access with the neighboring parcels to facilitate on-site circulation. The operation of the use will take place entirely indoors and will not interfere with the functioning of the neighboring motorcycle sales or hotel. The use is in keeping with the recreational nature of the Aquatics Center and Outdoor Sports Center on the opposite side of Condit Road.

5. The proposed use will not be detrimental to the public health, safety, and welfare of persons residing or working in the surrounding areas.

The proposed use is located within a primarily commercial area and shares access with the neighboring parcels to facilitate on-site circulation. The operation of the use will take place entirely indoors and will not interfere with the functioning of the neighboring motorcycle sales or hotel.

6. The proposed use would not have a substantial adverse effect on traffic circulation and on the planned capacity of the street system.

Development of the project is consistent with the General Plan land use and zoning designations, so the associated effects on local transportation facilities have already been anticipated by the City with the General Plan Circulation Element.

7. The proposed use is properly located within the city and adequately served by existing or planned services and infrastructure.

CONCLUSION:

Staff recommends approval of the proposed Conditional Use Permit.

CEQA (California Environmental Quality Act):

The proposed project qualifies for an exemption under CEQA Guidelines Section 15301 as the indoor recreation facility is a minor alteration of an existing private structure with a negligible expansion of use. No addition or alteration to the existing structure is proposed.

COMMUNITY ENGAGEMENT:

The proposed project was publicly noticed (mailing to property owners within 300 feet of the project and newspaper legal noticing) for the minimum 10-day period. A sign was also posted on the site regarding the pending project.

ATTACHMENTS:

1. Statement of Purpose
2. Plans
3. Planning Commission Resolution No. 24-03
4. PUD Ordinance

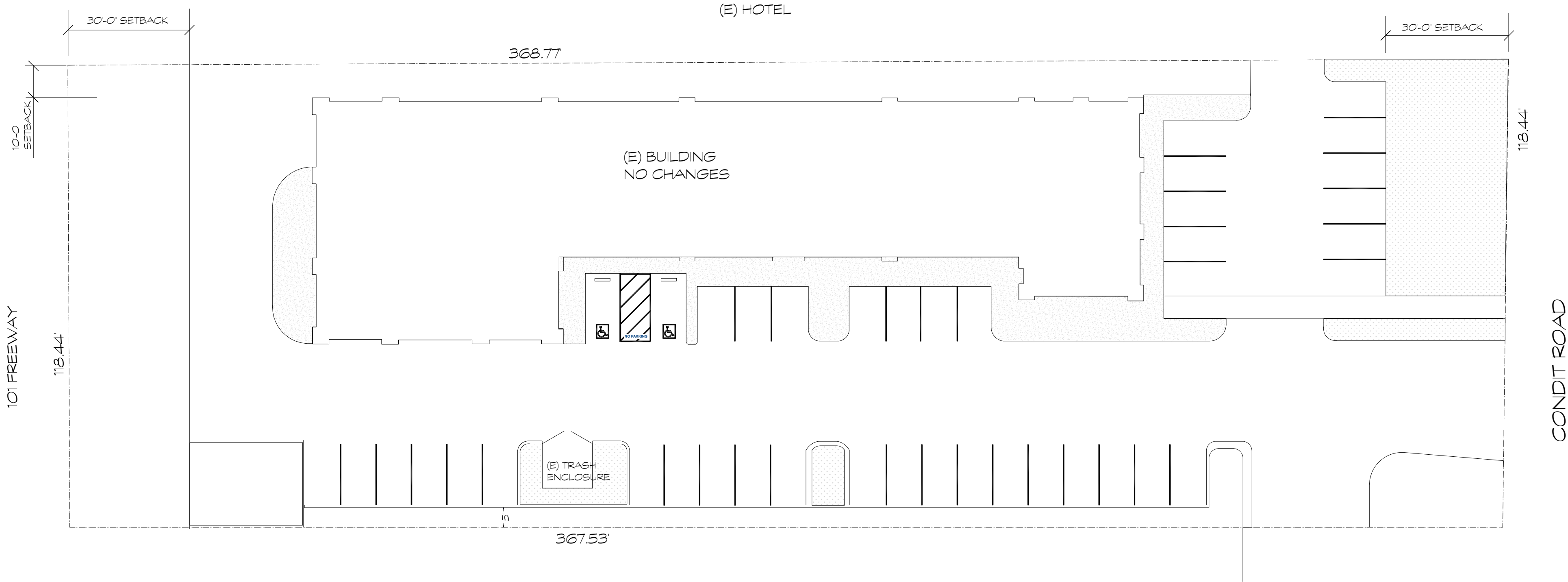
Letter of Request / Project Narrative

The 5th Element Fitness Club will provide health and wellness to the community through high level Personal Fitness Training (PFT), Group Exercise Classes, and recovery modalities. We will train and hire the top fitness professionals in the area that will provide best in class service to members. We have created a space that is welcoming to all members of the community with a variety of fitness options including general fitness machines and strength training equipment. We will provide services to the Morgan Hill, San Martin, Gilroy and South San Jose communities. We focus on all ages of fitness. The 5th Element Fitness will have monthly memberships for gym access and group classes. We will also provide specialty classes and host community events. We plan on having retail sales of apparel and items such as water bottles and towels. .Memberships will range from \$75 to \$245 per month. We have local connections into many facets of the community where we can set up booths at major community events. The 5th Element will provide raffle prizes to local school fundraisers. We will have a cohesive and thoughtful social media strategy. With over 28 years of fitness experience and being a long standing member of the community with many connections, The 5th Element Fitness Club will be a pillar of health and wellness for the community.

Hours of Operation:
M-F 5:30am to 9pm
Sat 6am to 4pm

Plan to have 4-10 employees in the first 6 months with a possibility of adding more as needed.

Item 3
Attachment 2



SITE PLAN
SCALE: 1" = 20'

PROJECT DATA:

A.P.N.	817-13-026
LOT SIZE	43,793 SF
OCCUPANCY	B
CONSTRUCTION TYPE	VB SPRINKL
PARKING	GYMNASIUM 1/150 10,471 S.F./150 = 70 PARKING SPACES REQUIRED 41 PARKING SPACES PROVIDED

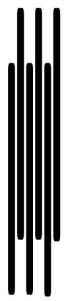
SCOPE OF WORK:

CONDITIONAL USE PERMIT FOR CHANGE OF USE
FROM SALES BUILDING TO FITNESS FACILITY

SHEET INDEX:

A-1	SITE PLAN
A-2	FLOOR PLAN
A-3	EXTERIOR ELEVATIONS

REVISIONS	
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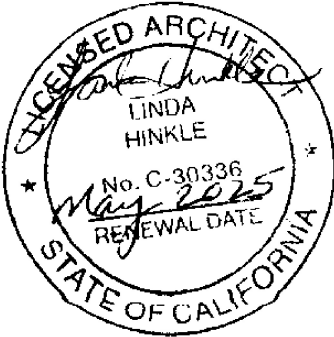


SESHAT DESIGN

COMMERCIAL | RESIDENTIAL | GREEN DESIGN

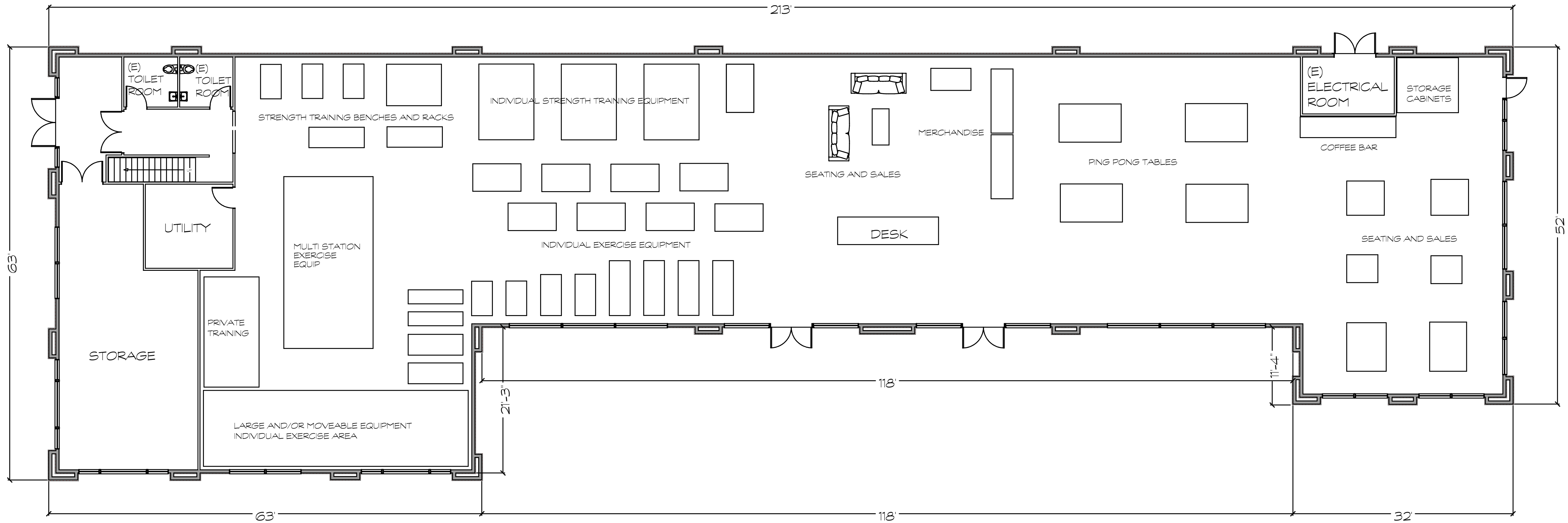
408/778-5454 • fax 408/778-1115

17545 Chesbro Lake Drive, Morgan Hill, CA 95037



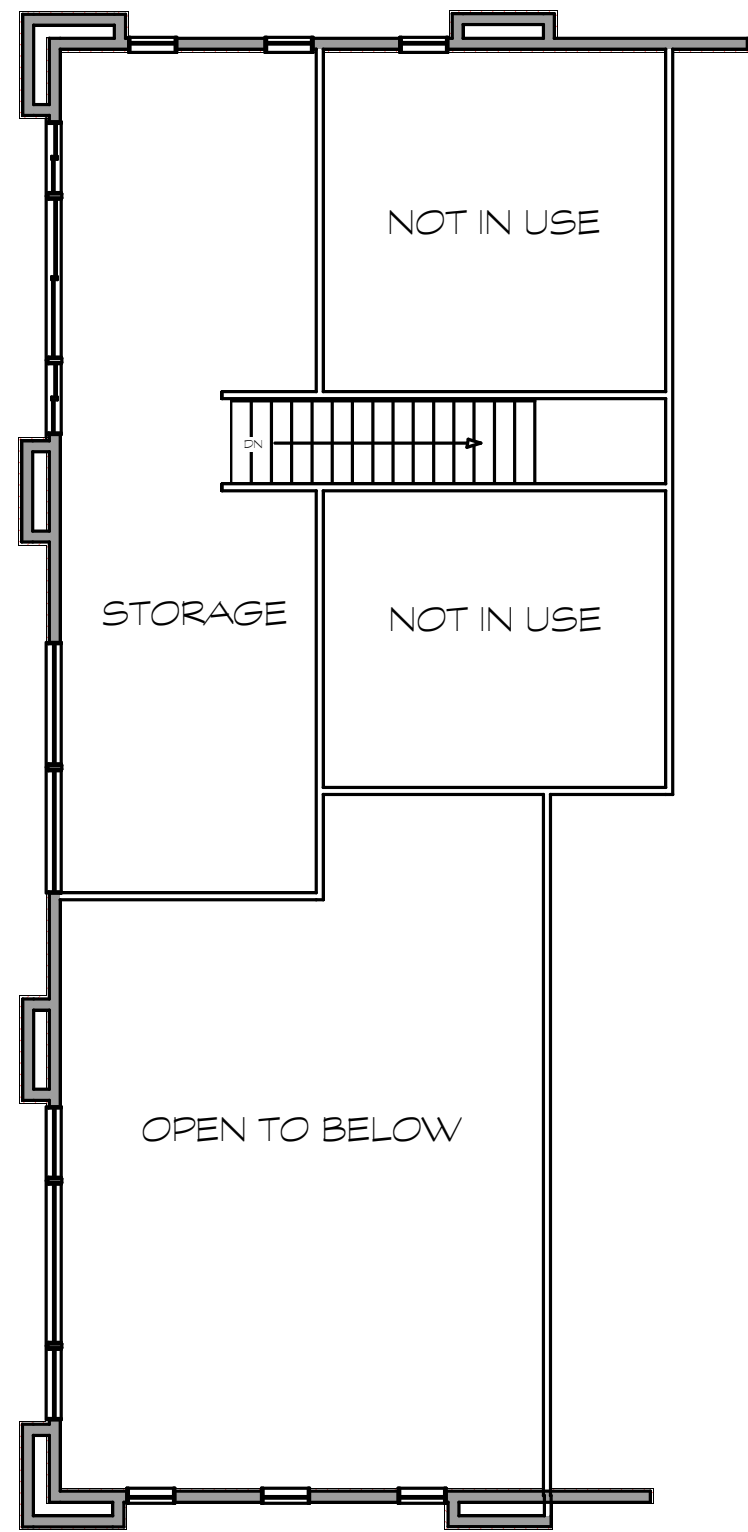
CONDITIONAL USE PERMIT
5TH ELEMENT FITNESS
16195 CONDIT ROAD
MORGAN HILL, CALIFORNIA

DATE: 4/18/2024
SCALE:
JOB NUMBER
SHEET: A-1



FIRST FLOOR PLAN

SCALE: 1/4" = 1'



MEZZANINE FLOOR PLAN

SCALE: 1/4" = 1'

REVISIONS	
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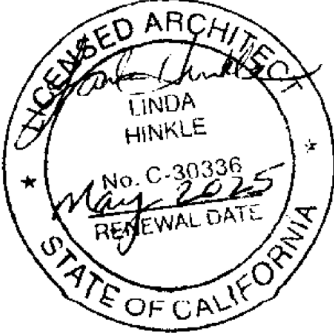
SESHAT DESIGN

COMMERCIAL | RESIDENTIAL | GREEN DESIGN

408/778.5454

fax 408/778.1115

17545 Chesbro Lake Drive, Morgan Hill, CA 95037



CONDITIONAL USE PERMIT
5TH ELEMENT FITNESS
16195 CONDIT ROAD
MORGAN HILL, CALIFORNIA

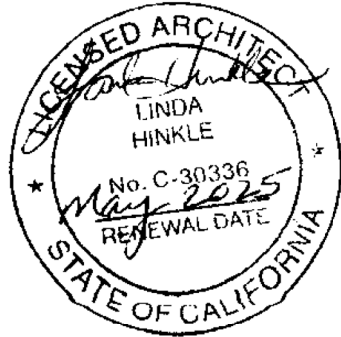
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JOB NUMBER	
SHEET:	A-2

REVISIONS	
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SESHAT DESIGN

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408/778-5454 fax 408/778-1115
17545 Chesbro Lake Drive, Morgan Hill, CA 95037



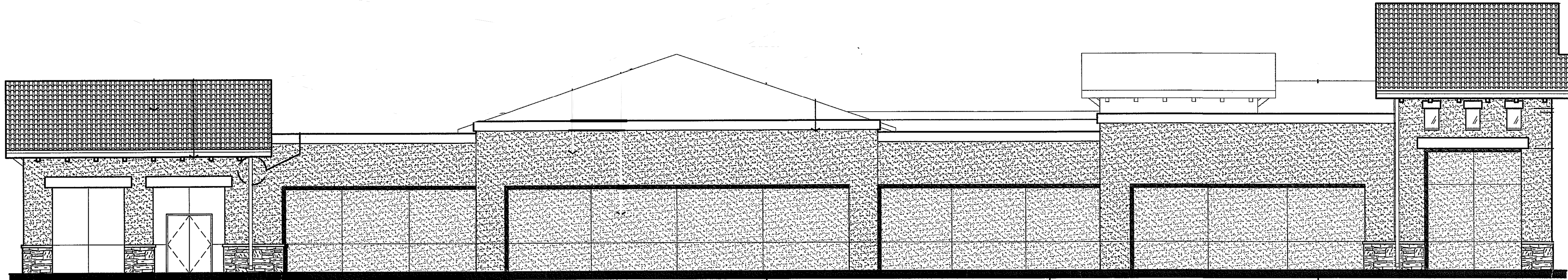
CONDITIONAL USE PERMIT

5TH ELEMENT FITNESS

16195 CONDIT ROAD

MORGAN HILL, CALIFORNIA

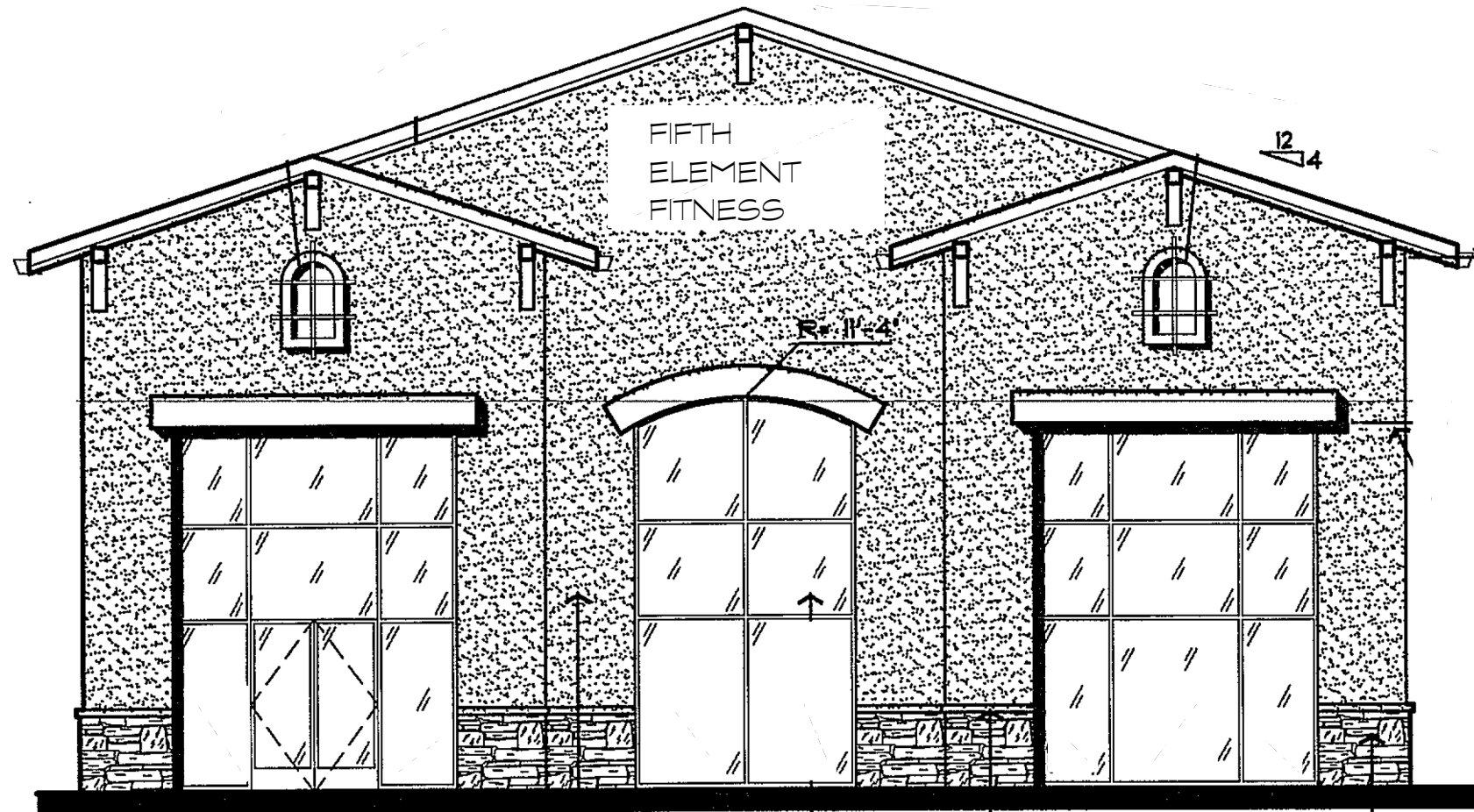
DATE:	2/29/2024
SCALE:	
JOB NUMBER:	
SHEET:	A-3



(E) NORTH ELEVATION (HOTEL SIDE)

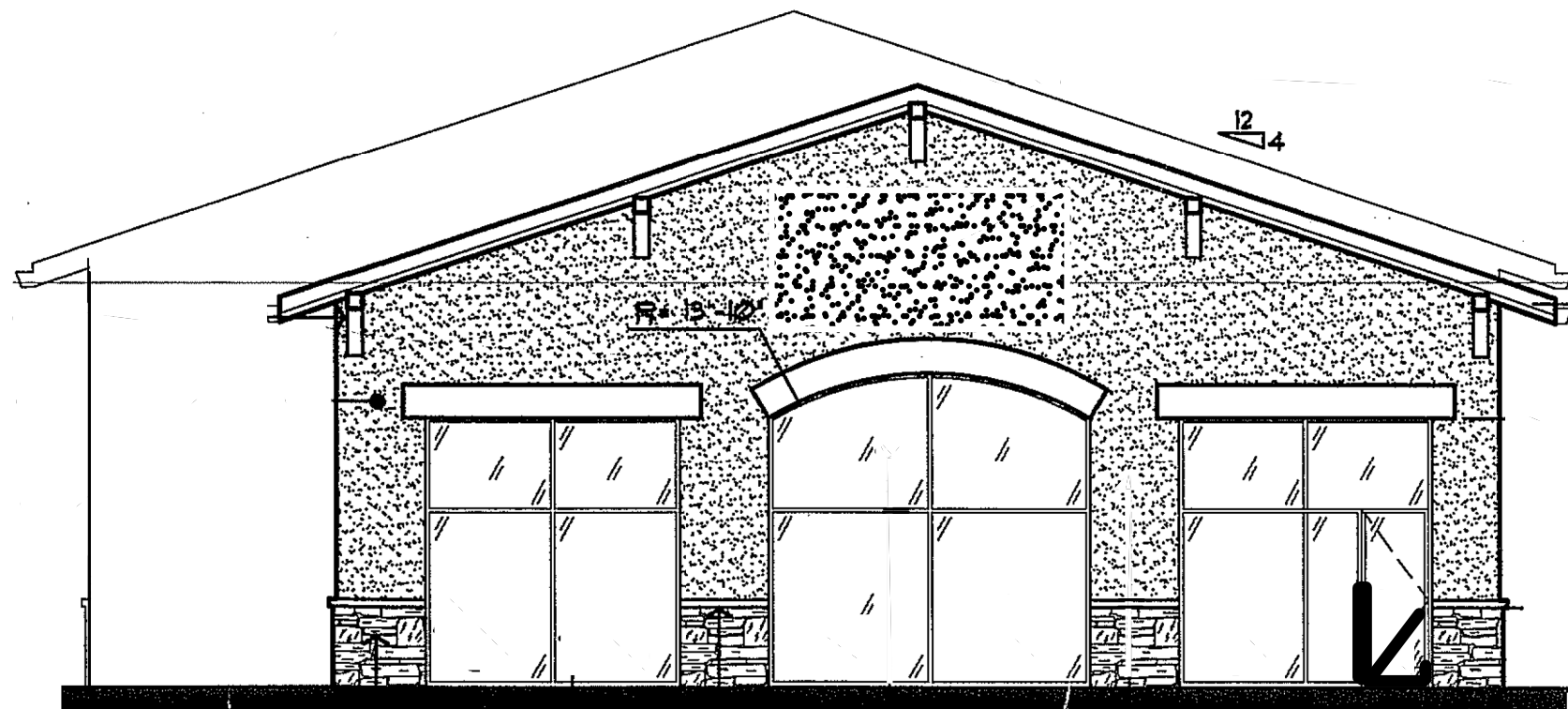


(E) SOUTH ELEVATION (HOTEL SIDE)



(E) WEST ELEVATION

NOTE:
ALL FINISH MATERIAL, ROOF MATERIAL, WINDOWS,
DOORS ETC. TO REMAIN; NO CHANGES



(E) EAST ELEVATION

RESOLUTION NO. 24-03

**A RESOLUTION OF THE PLANNING COMMISSION OF THE
CITY OF MORGAN HILL APPROVING A CONDITIONAL USE
PERMIT (UP2024-0001), TO ALLOW AN INDOOR
COMMERCIAL RECREATION FACILITY ON THE WEST
SIDE OF CONDIT ROAD (APN 817-13-026)**

WHEREAS, on March 1, 2024 an application was submitted by Jeff and Stef Layne for the request of a conditional use permit to allow an indoor commercial recreation facility within and existing 10,500 building.

WHEREAS, such a request was considered by the Planning Commission at its regular meeting of April 23, 2024; and

WHEREAS, pursuant to the Morgan Hill Municipal Code Section 18.136.050.A, the Director of Development Services determined the project exempt from the California Environmental Quality Act (CEQA) as it is a minor modification to an existing facility. (Guidelines Section 15301).

WHEREAS, testimony was received at the duly noticed public hearing, along with exhibits and drawings and other materials on April 23, 2024.

WHEREAS, the City of Morgan Hill is the lead agency on the Project, and the Planning Commission is the decision-making body for the proposed Project; and

NOW, THEREFORE, THE MORGAN HILL PLANNING COMMISSION DOES RESOLVE AS FOLLOWS:

SECTION 1. The Project approved pursuant hereto is exempt from the California Environmental Quality Act (CEQA) per CEQA Guidelines Section 15301 as the indoor recreation facility is a minor alteration of an existing private structure with a negligible expansion of use. .

SECTION 2. The approved Conditional Use Permit has been found consistent with the Findings of approval contained in Section 18.108.030 of the Zoning Code. The basis for the findings are set forth in the staff report for the Planning Commission meeting of April 23, 2024 and hereby adopted.

SECTION 3. The Planning Commission hereby approves the Conditional Use Permit subject to the conditions set forth in Exhibit A attached hereto and incorporated herein this reference. Any expansion, intensification, or changes to the use approved under this conditional use permit deemed major by the Development Services Director shall be permitted only upon

amendment of this Conditional Use Permit or approval of a separate Conditional Use Permit application.

PASSED AND ADOPTED THIS 23rd DAY OF APRIL 2024, AT A REGULAR MEETING OF THE PLANNING COMMISSION BY THE FOLLOWING VOTE:

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ATTEST:

APPROVED:

JENNA LUNA, Deputy City Clerk

WAYNE TANDA, Chair

EXHIBIT "A" **STANDARD CONDITIONS**

APPLICATION NO: UP2024-0001

THE FOLLOWING APPROVAL REQUIREMENTS AND ANY SPECIAL CONDITIONS SHALL BE APPLIED THROUGH THE DEVELOPMENT APPROVAL PROCESS.

Legend

MHMC= Morgan Hill Municipal Code

MHARH= Morgan Hill Architectural Review Handbook

CMH= City of Morgan Hill

CFC= California Fire Code

I. PROJECT DESCRIPTION

The proposed project includes a Conditional Use Permit to allow an approximately 10,500 square foot indoor commercial recreation facility within an existing building on a 1-acre property.

II. PROJECT CONDITIONS OF APPROVAL

It shall be the responsibility of the Owner to ensure that any changes or modifications to the Project is in compliance with the original City Conditions of Approval of the Project, which are hereby incorporated herein as set forth in full.

PLANNING DIVISION

- A. **Conditional Use Permit.** This Conditional Use Permit approval is limited to the Project Description above and the plan set on file (UP2024-0001) with the Development Services Department. Any expansion, intensification, or changes to the uses approved under this Conditional Use Permit shall be permitted only upon amendment of this Conditional Use Permit or approval of a separate Conditional Use Permit.
- B. **Parking Demand Study.** In lieu of providing a letter from the adjacent landowner to the south allowing surplus parking for the proposed use on their site, in accordance with Zoning Ordinance section 18.72.050, prior to issuance of any future building permits, a Parking Demand Study shall be approved by the community development director in consultation with the City Engineer that demonstrates that the demand for parking of the proposed commercial recreation facility will not exceed the amount presently available on the site.
- C. **Time Limits:** The conditional use permit approval granted pursuant to this Resolution shall remain in effect for two years from approval date. Failure to

exercise this use within this term shall result in termination of approval unless an extension of time is granted with a showing of just cause prior to the expiration date. **(MHMC 18.108.040 and 18.104.210).**

- D. Defense and Indemnity.** As part of, and in connection, with this application to the City of Morgan Hill, Applicant agrees to defend, indemnify, and hold harmless the City of Morgan Hill, its officers, agents, employees, officials and representatives (Indemnitees) from and against any and all claims, actions, or proceedings arising from any suit for damages or for equitable or injunctive relief which is filed against City to attack, set aside, void or annul its approval of this application or any related decision, or the adoption of any environmental documents which relates to said approval. The City shall promptly notify the Applicant of any such claim, action or proceeding and the City shall cooperate fully in the defense thereof. In the event that Applicant is required to defend Indemnitees in connection with the proceeding, Indemnitees shall retain the right to approve (a) the counsel to so defend Indemnitees; (b) all significant decisions concerning the manner in which the defense is conducted; and (c) any and all settlements, which approval shall not be unreasonably withheld. This indemnification shall include but is not limited to, (a) all pre-tender litigation costs incurred on behalf of the City, including City's attorney's fees and all other litigation costs and expenses, including expert witnesses, required to defend against any lawsuit brought as a result of City's approval or approvals; (b) reasonable internal City administrative costs, including but not limited to staff time and expense spent on the litigation, after tender is accepted; and (c) all damages, costs, expenses, attorney fees or expert witness fees that may be awarded to the prevailing party arising out of or in connection with the approval of the application or related decision. City may, in its sole discretion, participate in the defense of such action; but such participation shall not relieve Applicant of its obligations under this condition. The undersigned hereby represents that they are the Applicant or are fully empowered by the Applicant their agent to agree to provide the indemnification, defense and hold harmless obligations, and the signature below represents the unconditional agreement by Applicant to be bound by such conditions.

ENGINEERING DIVISION

- A. The project will be subject to impact fees prior to issuance of any future building permit for tenant improvements.

BUILDING DIVISION

- A. The original structure was permitted as a Group M (Mercantile) Occupancy. Changing the use to a gym will require a change in Occupancy to a Group B.

- B. A Building Permit is required for the change in Occupancy and any other Tennant Improvements. This will require submitting Plans along with a complete Building Code Analysis.

ORDINANCE NO. 1865, NEW SERIES

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MORGAN HILL APPROVING A ZONING AMENDMENT AMENDING THE DEVELOPMENT PLAN AND DESIGN GUIDELINES FOR A PUD DISTRICT ON THE WEST SIDE OF CONDIT ROAD BETWEEN DUNNE AND TENNANT AVENUES AND AMENDING THE DEFINITIONS CHAPTER IN TITLE 18 OF THE MUNICIPAL CODE

THE CITY COUNCIL OF THE CITY OF MORGAN HILL DOES HEREBY ORDAIN AS FOLLOWS:

- SECTION 1.** The proposed zoning amendment is consistent with the Zoning Ordinance and the General Plan.
- SECTION 2.** The zone change is required in order to serve the public convenience, necessity and general welfare as provided in Section 18.62.050 of the Municipal Code.
- SECTION 3.** A negative declaration was approved as part of a previous city-initiated zoning amendment that established the PUD district. This amendment is considered a minor alteration of land use regulations and is exempt from environmental review.
- SECTION 4.** The City Council hereby amends the permitted and conditional uses as contained in that certain series of documents date stamped December 17, 2001 on file in the Community Development Department, entitled "Condit PUD planned development study & phasing plan" prepared by MH Engineering Company and "Condit PUD" Guidelines prepared by DpC, Development Process Consultants. Uses allowed within the PUD shall be amended as follows:

Permitted Uses

Restaurants, Sit down

Wine tasting

Retail uses ~~supportive of hotel uses within the PUD~~, excluding grocery, supermarket and drugstores

Motels and hotels, a maximum of 5 will be allowed in the PUD

Arts and crafts galleries

Conference centers, banquet and meeting rooms

Commercial indoor recreation 3,000 square feet or less

Financial services and professional offices limited to second floor and above location.

School, business trade or tutoring

Conditional Uses

Commercial ~~indoor recreational~~ ***greater than 3,000 square feet***

~~Two~~ Motor vehicle sales and service uses ***provided that no more than two such uses involve outdoor sales display.*** Service uses shall only be allowed when ancillary to motor vehicle sales

~~One~~ Fast food restaurants, ***no more than one drive-thru establishment***

Other commercial uses with an outdoor sales display area

Any other use, which the Planning Commission determines to be similar to permitted or conditional uses.

SECTION 5. The permitted and conditional uses set forth in Section 4 shall apply to those parcels identified by assessor parcel number attached hereto, as exhibit "A", and by this reference incorporated herein.

SECTION 6. Section 18.04.044 is added to Title 18, Chapter 18.04 of the Municipal Code to read as follows:

18.04.044 ***Motor vehicle*** sales area.

"***Motor vehicle*** sales area" shall mean an ***outdoor*** open area, other than a street, used for the display, sale or rental of new or used passenger vehicles or other motor vehicles, such vehicles as recreational vehicles and trailers, and such recreational equipment as campers and boats, in operable condition and where no repair work is done, but not including the rental of motor homes, mobile homes, or pickup trucks with campers mounted thereon in the sales area.

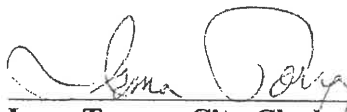
SECTION 7. Severability. If any part of this Ordinance is held to be invalid or inapplicable to any situation by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance or the applicability of this Ordinance to other situations.

SECTION 8. Effective Date Publication. This ordinance shall take effect from and after thirty (30) days after the date of its adoption. The City Clerk is hereby directed to publish this ordinance pursuant to §36933 of the Government Code.

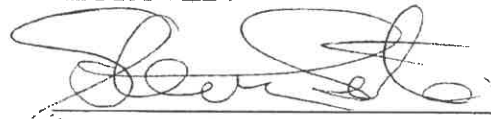
The foregoing ordinance was introduced at a regular meeting of the City Council of the City of Morgan Hill held on the 6th day of February 2008, and was finally adopted at a regular meeting of said Council on the 20th day of February 2008, and said ordinance was duly passed and adopted in accordance with law by the following vote:

AYES:	COUNCIL MEMBERS:	Larry Carr, Mark Grzan, Marby Lee, Greg Sellers, Steve Tate
NOES:	COUNCIL MEMBERS:	None
ABSTAIN:	COUNCIL MEMBERS:	None
ABSENT:	COUNCIL MEMBERS:	None

ATTEST:


Irma Torrez, City Clerk

APPROVED:


Steve Tate, Mayor

∞ CERTIFICATE OF THE CITY CLERK ∞

I, IRMA TORREZ, CITY CLERK OF THE CITY OF MORGAN HILL, CALIFORNIA, do hereby certify that the foregoing is a true and correct copy of Ordinance No. 1865, New Series, adopted by the City Council of the City of Morgan Hill, California at a regular meeting held on the 20th day of February 2008.

WITNESS MY HAND AND THE SEAL OF THE CITY OF MORGAN HILL.

DATE: _____

2/20/08



IRMA TORREZ, City Clerk

