May 2025 | Initial Study/Mitigated Negative Declaration

1200 ROSSMOOR PARKWAY GENERAL PLAN AND REZONE PROJECT

City of Walnut Creek

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PLACEWORKS

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Abbreviations and Acronyms

AAQS	ambient air quality standards
AB	Assembly Bill
ACM	asbestos-containing materials
ADT	average daily traffic
amsl	above mean sea level
AQMP	air quality management plan
AST	aboveground storage tank
BAU	business as usual
bgs	below ground surface
BMP	best management practices
CAA	Clean Air Act
CAFE	corporate average fuel economy
CalARP	California Accidental Release Prevention Program
CalEMA	California Emergency Management Agency
Cal/EPA	California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen	California Green Building Standards Code
Cal/OSHA	California Occupational Safety and Health Administration
CalRecycle	California Department of Resources, Recycling, and Recovery
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CCAA	California Clean Air Act
CCR	California Code of Regulations
CDE	California Department of Education
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
cfs	cubic feet per second
CGS	California Geologic Survey
CMP	congestion management program
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level

Abbreviations and Acronyms

CO	carbon monoxide
CO_2e	carbon dioxide equivalent
Corps	US Army Corps of Engineers
CSO	combined sewer overflows
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
EIR	environmental impact report
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GHG	greenhouse gases
GWP	global warming potential
HCM	Highway Capacity Manual
HQTA	high quality transit area
HVAC	heating, ventilating, and air conditioning system
IPCC	Intergovernmental Panel on Climate Change
L_{dn}	day-night noise level
L_{eq}	equivalent continuous noise level
LBP	lead-based paint
LCFS	low-carbon fuel standard
LOS	level of service
LST	localized significance thresholds
M_W	moment magnitude
MCL	maximum contaminant level
MEP	maximum extent practicable
mgd	million gallons per day
MMT	million metric tons

Abbreviations and Acronyms

MPO	metropolitan planning organization
MT	metric ton
MWD	Metropolitan Water District of Southern California
NAHC	Native American Heritage Commission
NO_X	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
O_3	ozone
OES	California Office of Emergency Services
PM	particulate matter
POTW	publicly owned treatment works
ppm	parts per million
PPV	peak particle velocity
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RMP	risk management plan
RMS	root mean square
RPS	renewable portfolio standard
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SIP	state implementation plan
SLM	sound level meter
SoCAB	South Coast Air Basin
SO_X	sulfur oxides
SQMP	stormwater quality management plan
SRA	source receptor area [or state responsibility area]
SUSMP	standard urban stormwater mitigation plan
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
TNM	transportation noise model

Abbreviations and Acronyms

tpd	tons per day
TRI	toxic release inventory
TTCP	traditional tribal cultural places
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UWMP	urban water management plan
V/C	volume-to-capacity ratio
VdB	velocity decibels
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
VOC	volatile organic compound
WQMP	water quality management plan
WSA	water supply assessment

1. Introduction

The City of Walnut Creek (City) has received an application for a General Plan and zoning amendment to change the General Plan and zoning designation for one property at 1200 Rossmoor Parkway (proposed project). The property is currently zoned Planned Development (PD) 1140 for Bank Use and has a General Plan land use designation for Office (OF) use. Under the proposed project, the zoning designation of the property would be amended through adoption of a new PD that would incorporate aspects of the Community Commercial District zoning text for future land uses and development regulations, as described in detail in Section 1.4, below. To accommodate the proposed zone change, the underlying General Plan land use designation of the property would change to General Retail. It should be noted that the project analyzed in this Initial Study only involves an amendment to the General Plan and zoning designations. No physical changes, construction, or development is currently proposed for the property.

1.1 PURPOSE OF CEQA AND THE INITIAL STUDY

The California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) and the CEQA Guidelines (14 Cal. Code Regs. Section 15000 et seq.) require that before a lead agency makes a decision to approve a project that could have one or more adverse effects on the physical environment, the agency must inform itself about and consider the project's potential environmental impacts, inform the public about the project's potential environmental impacts and provide an opportunity to comment on the environmental issues, and take feasible measures to avoid or reduce potential harm to the physical environment.[1]

The City, as the lead agency pursuant to CEQA Guidelines Section 15050, is responsible for preparing environmental documentation in accordance with CEQA to determine if approval of the City's actions associated with the proposed project would have a significant impact on the environment. As part of the project's environmental review and in its capacity as lead agency, the City authorized preparation of this Initial Study in accordance with the provisions of Section 15063 of the CEQA Guidelines.

The City determined pursuant to Public Resources Code Section 21080.1 that the Initial Study would support the adoption of a Mitigated Negative Declaration (MND). An MND is a written statement by the lead agency that briefly describes the reasons why a project that is not exempt from the requirements of CEQA, will not have a significant effect on the environment, and does not require preparation of an EIR (CEQA Guidelines Section 15371). The CEQA Guidelines require the preparation of an MND if the Initial Study prepared for a project identifies potentially significant effects, but: 1) revisions in the project plans or proposals made by or agreed to by the applicant before a proposed MND and Initial Study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur; and 2) there is no

[1] Pursuant to Public Resources Code Section 21067, lead agency refers to the public agency that has the principal responsibility for carrying out or approving a project that may have a significant effect on the environment.

substantial evidence, in light of the whole record before the lead agency, that the project may have a significant effect on the environment (CEQA Guidelines Section 15070(b)).

The City has considered the information in this Initial Study in its decision-making processes. Although the Initial Study was prepared with consultant support, the analysis, conclusions, and findings made as part of its preparation fully represent the independent judgment and analysis of the City.

1.2 PROJECT LOCATION

The project site is at 1200 Rossmoor Parkway (Assessor's Parcel Number [APN] 186-030-056), at the northeastern intersection of Rossmoor Parkway and Tice Valley Boulevard, in the City of Walnut Creek in Contra Costa County (project site). The project site is approximately 1.2 miles west of Interstate 680 (I-680) and 1.5 miles south of State Route 24 (SR-24) (see Figure 1, *Regional Location*; Figure 2, *Local Vicinity*; and Figure 3, *Aerial Photo*).

1.3 ENVIRONMENTAL SETTING

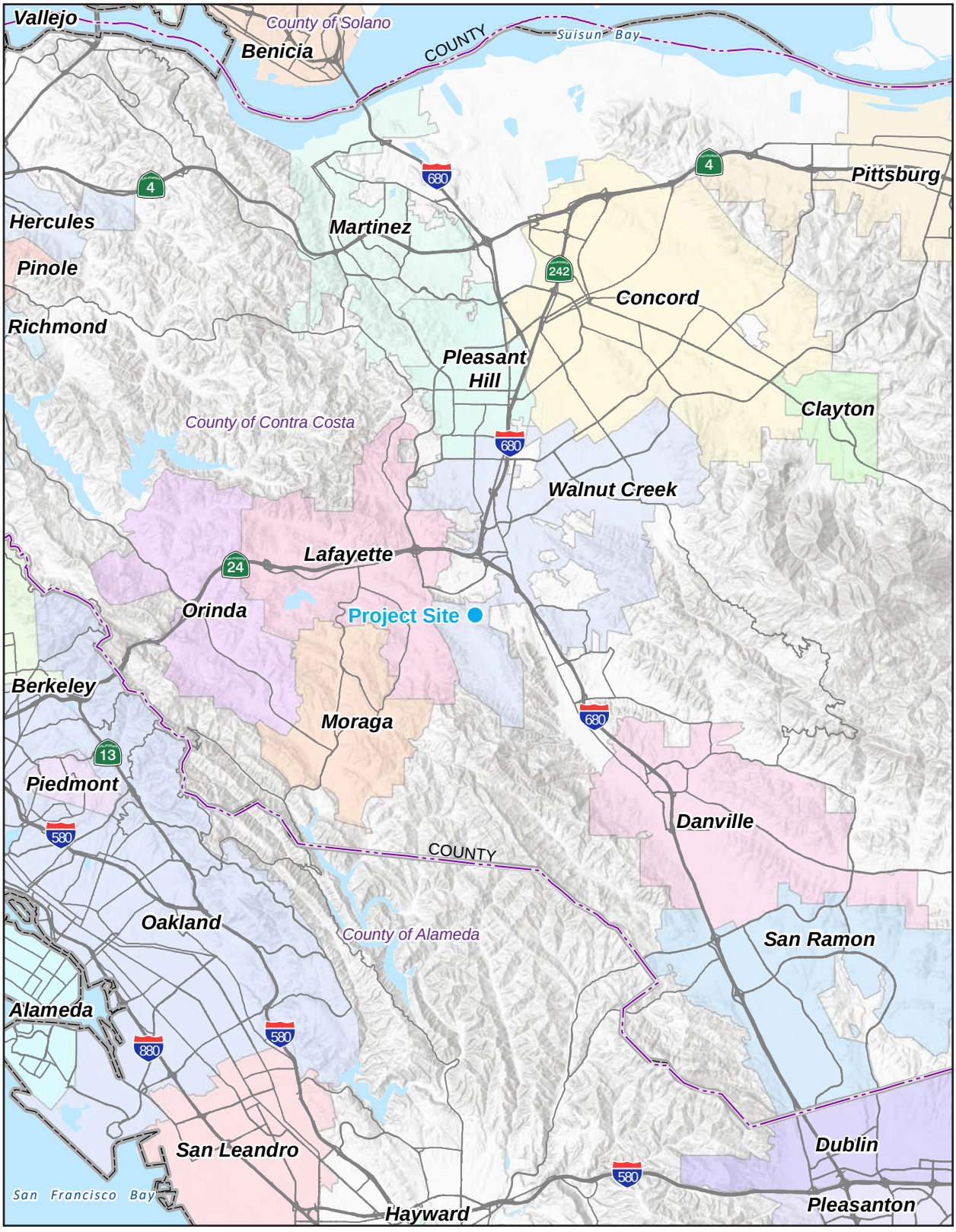
1.3.1 Existing Land Use and Zoning Designations

The project site currently has a General Plan land use designation of Office (OF), which includes primarily high quality administrative, professional, and general business offices that meet local and regional office space demands and encourages the use of cultural facilities, restaurants, and retail stores on the ground floor. Additionally, the project site is currently zoned Planned Development (PD)-1140 for Bank use. Planned Developments create specific zonings for specific parcel(s)/project(s), which provide specific land use and development standards for multifamily housing, shopping centers, public utility or other institutional facilities, and other large-scale developments. PDs allow diversification in the relationship of various buildings, land uses, structures, and open spaces; comply with the regulations and provision of the General Plan and any applicable specific plan; and provide adequate standards to promote the public, health, safety, and general welfare. The proposed General Plan land use designation, General Retail (GR), is the current land use designation for other properties to the west of the subject site and is intended for "one-stop-shop" businesses that rely on customers arriving by auto and provide on-site parking. Uses include discount merchandise stores, financial institutions, hardware stores, hotels, nurseries, restaurants, and shopping centers. Ground-floor retail is encouraged; offices may be allowed on the second floor or above. See Figure 4, *Existing General Plan and Zoning Designations*, for a comparable view of both the existing General Plan designation for the site and the project site's zoning.

1.3.2 Surrounding Land Use

Surrounding land uses on the north side of Tice Valley Boulevard include a medical office building immediately north of the project site and a nursing home further north. Immediately east of the project site is a church and a multifamily residential complex. A gas station is to the immediate west, and a large shopping center is further west, across Rossmoor Parkway. Land uses on the other side of the Tice Valley Boulevard/Rossmoor Parkway intersection include a retail thrift store on the southwest side and a park on the southeast side of the intersection (see Figure 3).

Figure 1 - Regional Location



County Boundary

Note: Unincorporated county areas are shown in white.
Source: Generated using ArcMap 2024.

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1. Introduction

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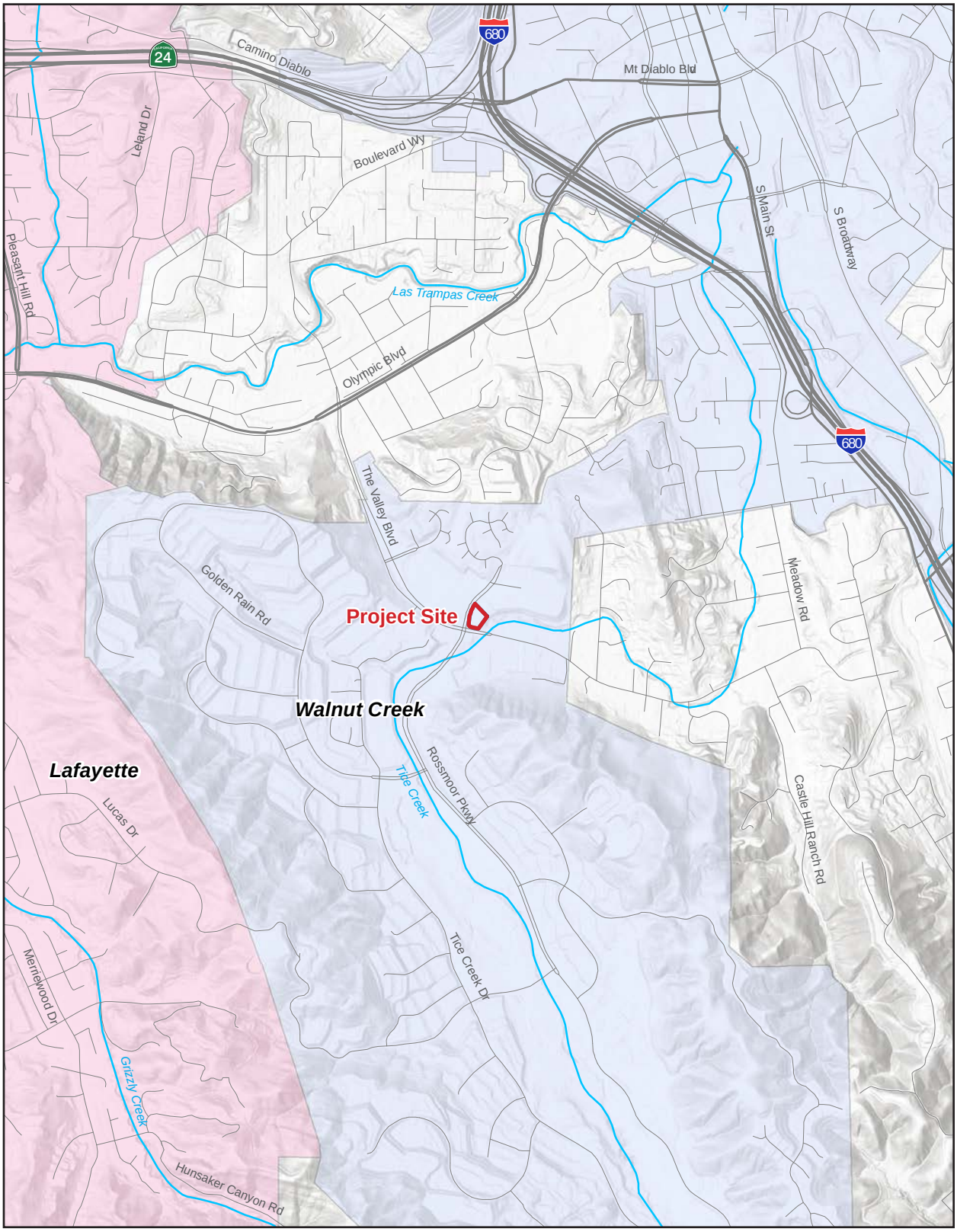
Figure 2 - Local Vicinity



Project Boundary

Note: Unincorporated county areas are shown in white.
Source: Generated using ArcMap 2024.

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1. Introduction

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Figure 3 - Aerial Photograph

Project Boundary

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Scale (Feet)

Source: Nearmap 2024.

1. Introduction

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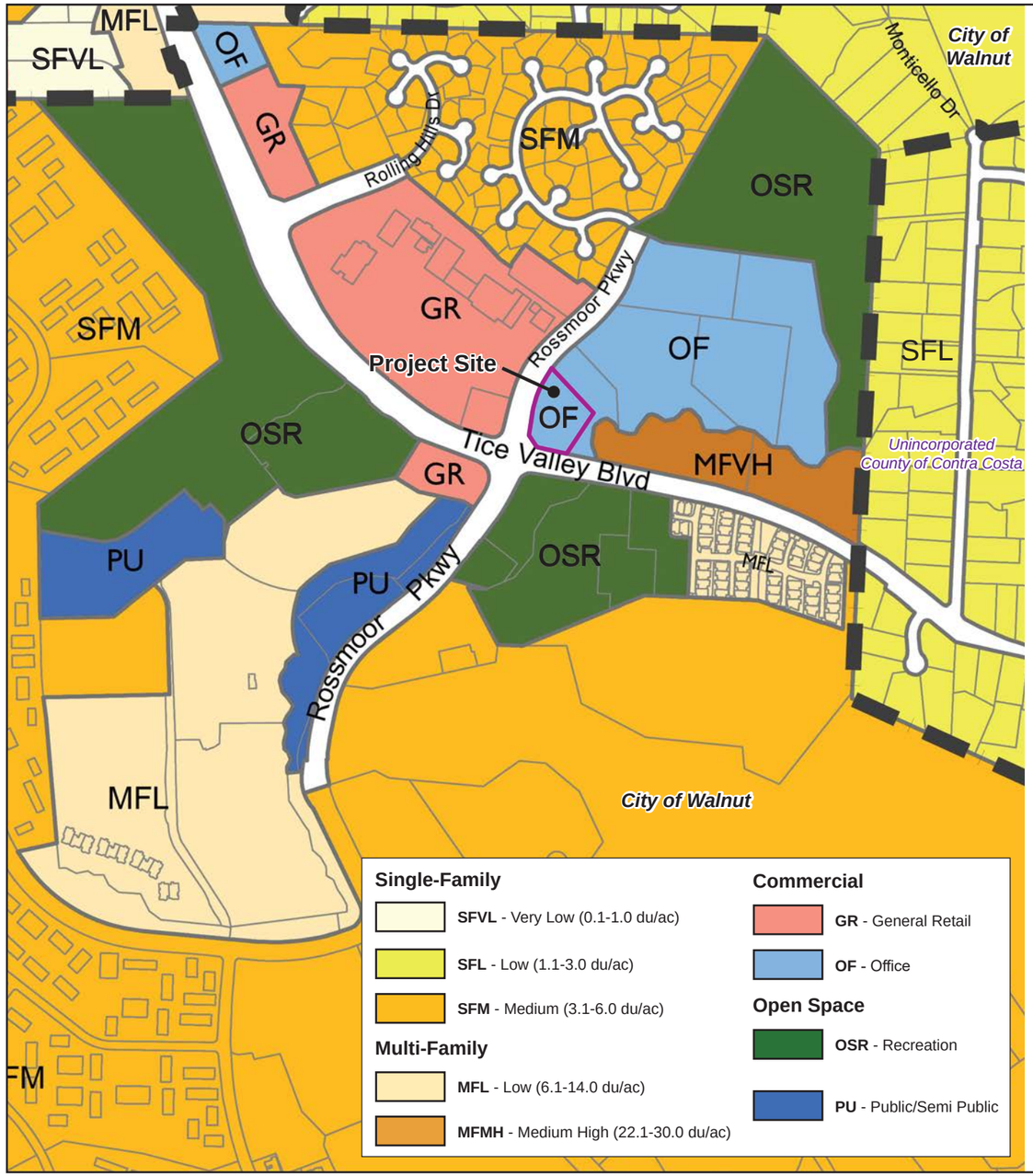
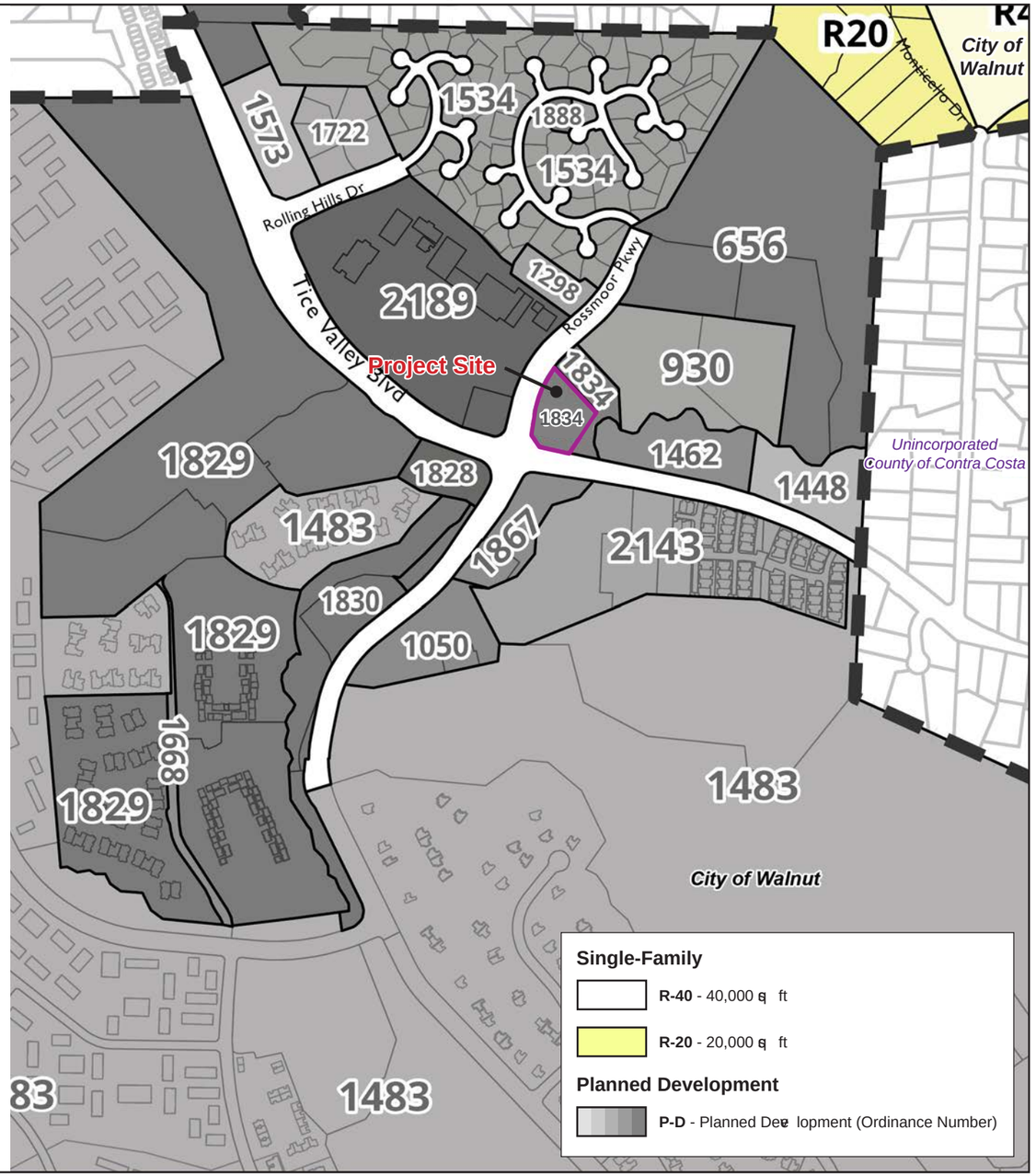
Figure 4 - Existing General Plan and Zoning Designations





Project Boundary

City of Walnut Boundary

Source: City of Walnut 2023.

Existing General Plan

Existing Zoning

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1. Introduction

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1.4 PROJECT DESCRIPTION

The proposed project is for a General Plan amendment and Rezone to change the General Plan land use and zoning designations for a single property at 1200 Rossmoor Parkway in the City of Walnut Creek. The existing land use designation for the property is Office (OF) in the Walnut Creek General plan, and the property is zoned PD-1140 for Bank use (see Figure 4, *Existing General Plan and Zoning Designations*). As shown in Table 1, *Land Use and Zone Designation Amendments*, the proposed project would change the General Plan designation of the project site to General Retail, and establish a new PD zoning designation for the property that would allow a variety of uses based on the allowed uses and development standards in the existing Community Commercial (CC) District with a few modifications (see Figure 5, *Proposed General Plan and Zoning Designations*). The new PD would incorporate the existing regulations of the CC zone with modifications to the allowed height and floor area ratio (FAR) and permitting requirements for a few uses.[2] Specifically, the proposed PD would remove the conditional use permit (CUP) requirement existing in the CC zone for banks/savings/loans over 1,000 square feet, ground floor professional office, ground floor medical office, and standalone restaurants with take-out for locally serving. The FAR would be increased from 0.3 allowed in the CC zone to a maximum FAR of 0.5 for Commercial and Mixed-Uses in the new PD. The development regulations would allow potential developments for buildings of two stories, with a maximum 35-foot height limit. See Figure 6, *Conceptual Layout (Addition to Existing Structure),* and Figure 7, *Conceptual Layout (New Construction).*

Table 1 Land Use and Zone Designation Amendments

Address and APN	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning Designation	Proposed Zoning Designation	Existing Conditions
1200 Rossmoor Pkwy (APN 186-030-056)	Office	General Retail	Planned Development 1140	New Planned Development	Bank of America Branch
	Permitted Uses				
	Primarily high quality administrative, professional, and general business offices that meet local and regional office space demands. Cultural facilities, restaurants, and retail stores are encouraged on the ground floor	Uses include discount merchandise stores, financial institutions, hardware stores, hotels, nurseries, restaurants, and shopping centers. Ground floor retail is encouraged; offices may be allowed on the second floor or above.	Banks and Savings and Loans	Restaurants, retail, medical/professional office, and other commercial uses based on the Community Commercial zoning allowances	No development proposed at this time
	Maximum Net Floor Area Ratio (FAR)				
	0.5 – 4.5	0.3 – 2.8	None	0.5	.09

[2] Floor Area Ratio (FAR) is the ratio of the floor area of all principal and accessory buildings on a lot to the lot area.

1. Introduction

Table 1 Land Use and Zone Designation Amendments

Address and APN	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning Designation	Proposed Zoning Designation	Existing Conditions
	Maximum Height				
	-	-	two-stories	35 feet	19.4 feet

Source: City of Walnut 2024.

It should be noted that the project analyzed in this Initial Study only involves an amendment to the General Plan designation and rezoning of the defined subject property. No physical changes, construction, or development are proposed for the property, and the existing uses and conditions of the property (including operations and any existing buildings, structures, and improvements) would remain the same. Future development for the project site would be consistent with the proposed general plan land use designation and zoning regulations. The analysis in an IS/MND would typically quantify and discuss anticipated project impacts associated with construction and operation of a project to determine whether the project would result in potentially significant environmental impacts; however, because the proposed project constitutes a general plan land use change and the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses project impacts that could result from future potential development of the project site.

1.4.1 Proposed General Plan Land Use Designation

The proposed General Plan amendment to General Retail (GR) would allow a greater variety of "one-stop-shop" businesses that rely on automobile, foot traffic, and include on-site parking.

1.4.2 Proposed Zoning

The proposed new PD will incorporate aspects of the Community Commercial District zoning text for land uses and development regulations. Under the proposed PD, the FAR for the project site would be 0.5 maximum for Commercial and Mixed-uses, where the Community Commercial District allows a 0.3 FAR maximum for Commercial and Mixed-uses. The new PD development regulations would allow for two stories, with a maximum 35-foot height limit. The proposed project would remove the CUP required for a bank or savings and loan greater than 1,000 square feet; remove conditions for ground-floor offices, and Medical Offices other than Optometry; and allow the implementation of stand-alone locally serving restaurants with take-out without a CUP. The above listed uses require a CUP under the Community Commercial District. The proposed rezoning changes would allow restaurants, retail, and medical/professional office uses that support the local neighborhood. Since the surrounding commercial uses are retail, this change would accommodate service, retail, or office uses that would complement the surrounding commercial in the immediate vicinity.

Additionally, multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development would be permitted with the approval of a CUP, and any proposed multifamily residential uses would be subject to the height and FAR regulations which would limit the number of residential dwellings.

1.4.3 Purpose of Proposed Project

1.4.3.1 LAND USE DESIGNATION CHANGE

The property is situated on a prominent corner that has been a retail bank branch for approximately 50 years; however, large bank branches are no longer in demand. The proposed project would allow for commercial uses, including restaurants, retail and medical/professional office uses that support the local neighborhood.

Additionally, the General Plan designates the property as Office (OF); however, it is outside of the Core Area. The Office-Commercial District (O-C) zoning text prohibits restaurants and limits retail and personal service uses outside of the Core Area. Office space is in over-supply, and the character of the surrounding commercial uses are retail or services that benefit the local community. Thus, accommodating service, retail, or office uses would complement the surrounding commercial in the immediate vicinity.

1.4.3.2 ZONING DESIGNATION CHANGE

Current zoning on the project site is PD-1140 for Bank use. However, the current zoning of the project site is too restrictive and only permits one use, banks (and similar financial institutions), also prohibiting temporary uses. The proposed planned development zoning based on the existing Community Commercial District would allow for various uses. The proposed planned development zoning would also contain development standards based on the Community Commercial District with a few changes including expanding the maximum allowed FAR.

Planned Development Districts are very restrictive, and each change to the PD allowances and standards requires approval by the City Council. The goal is for the Council to adopt a broad zoning text now that simplifies the process and approval times for uses that are in demand and better serve the local community. The proposed project would provide an opportunity for the City of Walnut Creek to continue economic development in the Tice Valley/Rossmoor district.

1.5 CITY ACTION REQUESTED

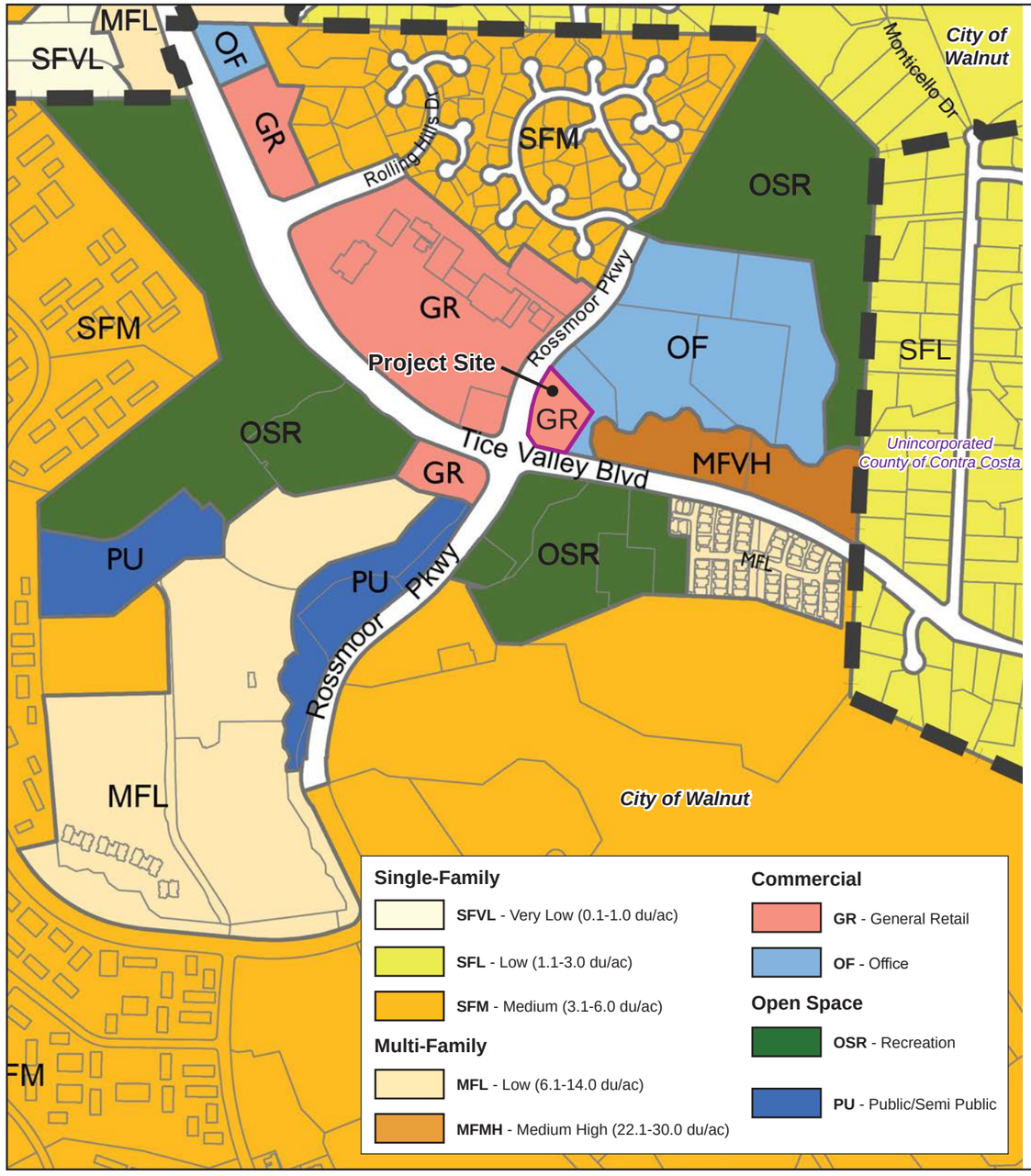
A discretionary action is an action taken by a government agency (for this project, the government agency is the City of Walnut Creek) that calls for an exercise of judgment in deciding whether to approve a project. The City is the lead agency under CEQA and has the principal approval authority over the project.

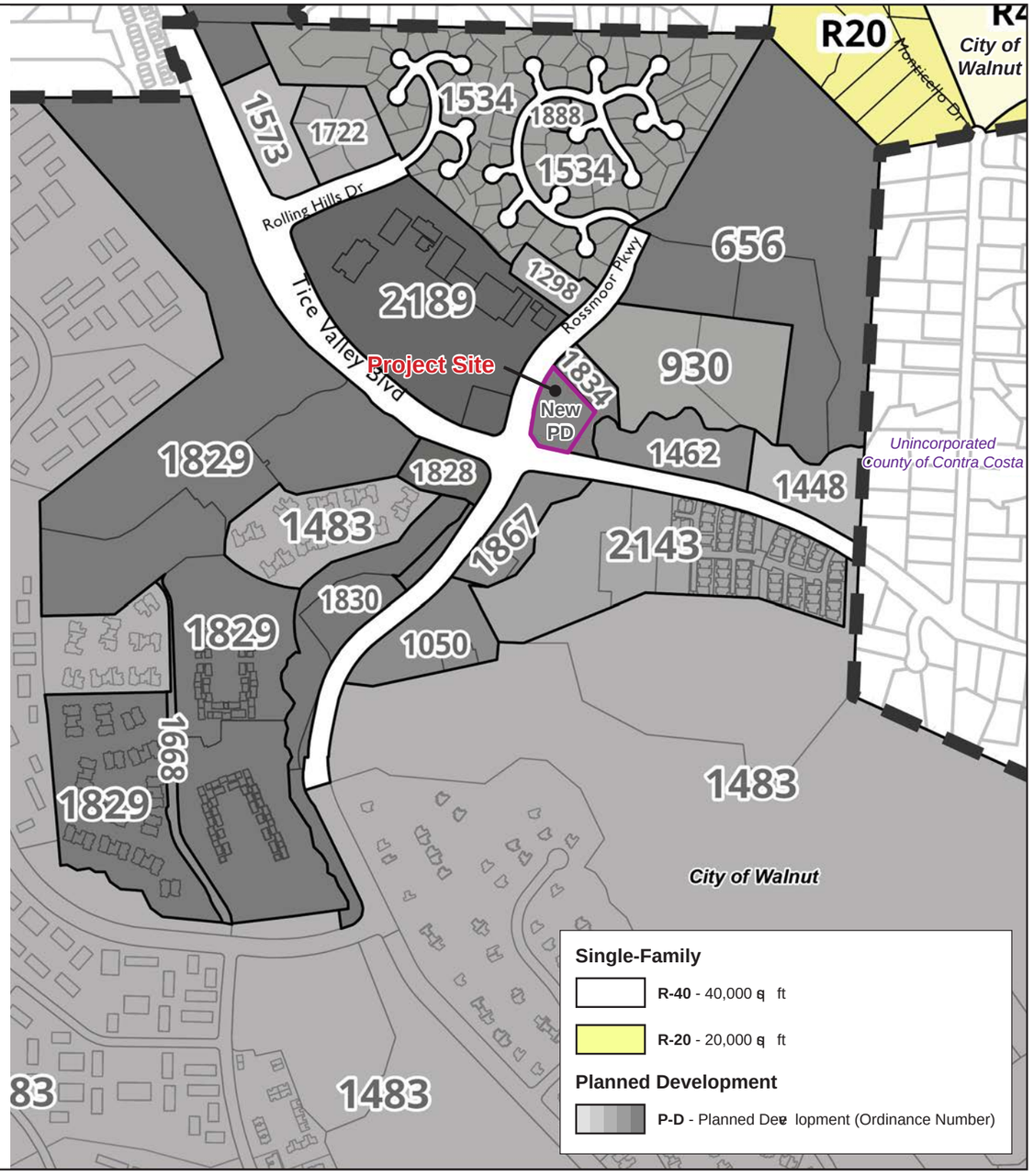
Under CEQA Guidelines Section 15357, a discretionary action means a project that calls for an exercise of judgment or deliberation when the public agency (for the project, the public agency is the City of Walnut Creek) decides to approve or disapprove a particular activity, as distinguished from situations where the public agency or body merely has to determine whether there has been conformity with applicable statutes, ordinances, regulations, or other fixed standards. Following is a list of the discretionary actions and approvals required for project implementation.

1. Introduction

- Adoption of a Mitigated Negative Declaration
- Adoption of a General Plan Amendment
- Adoption of a Zone Amendment

Figure 5 - Proposed General Plan and Zoning Designations





Project Boundary

City of Walnut Boundary

Proposed General Plan

Proposed Zoning

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Scale (Feet)

Source: City of Walnut 2023.

1. Introduction

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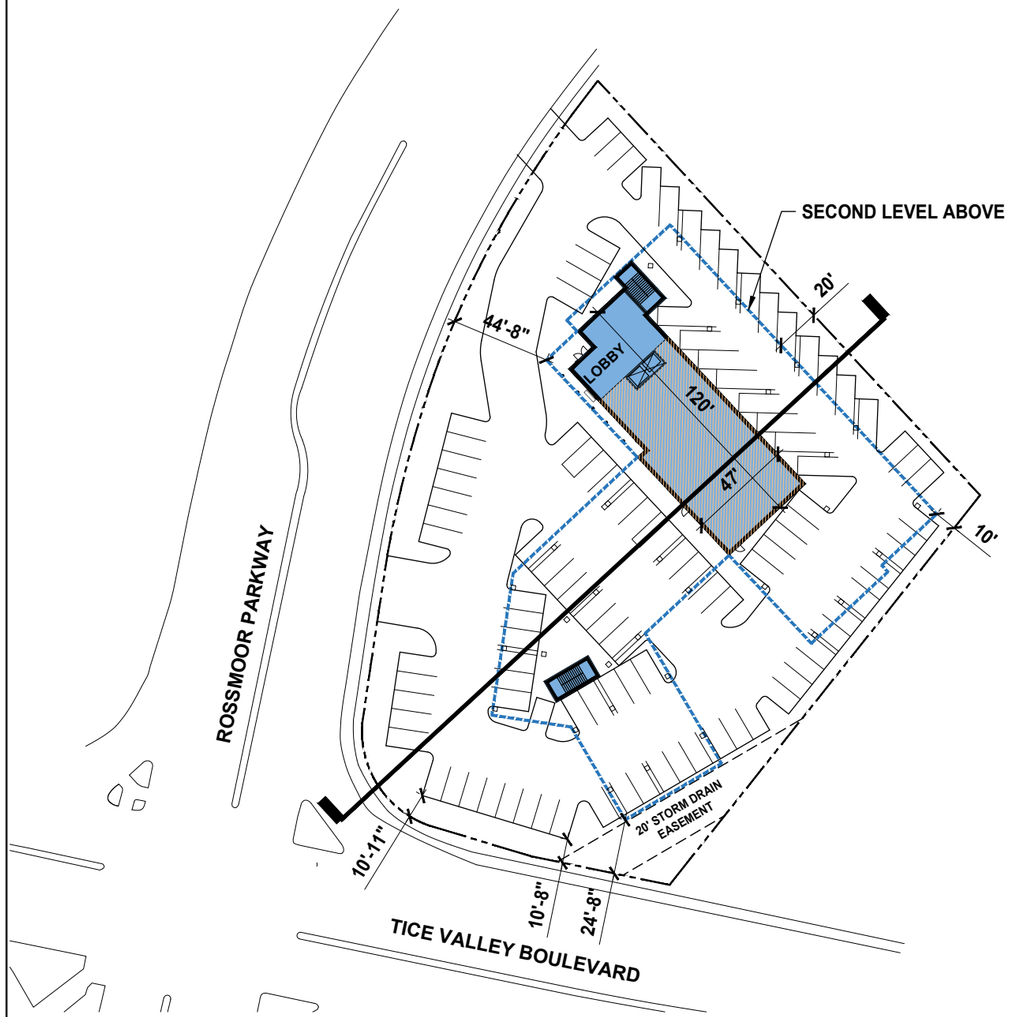
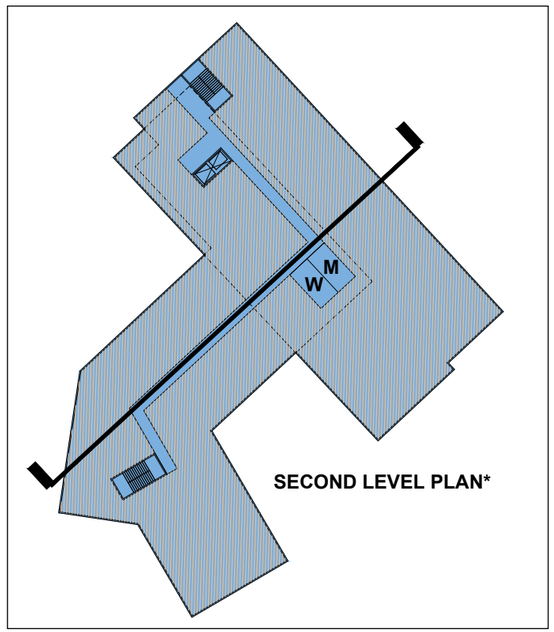
Figure 6 - Conceptual Layout (Addition to Existing Structure)



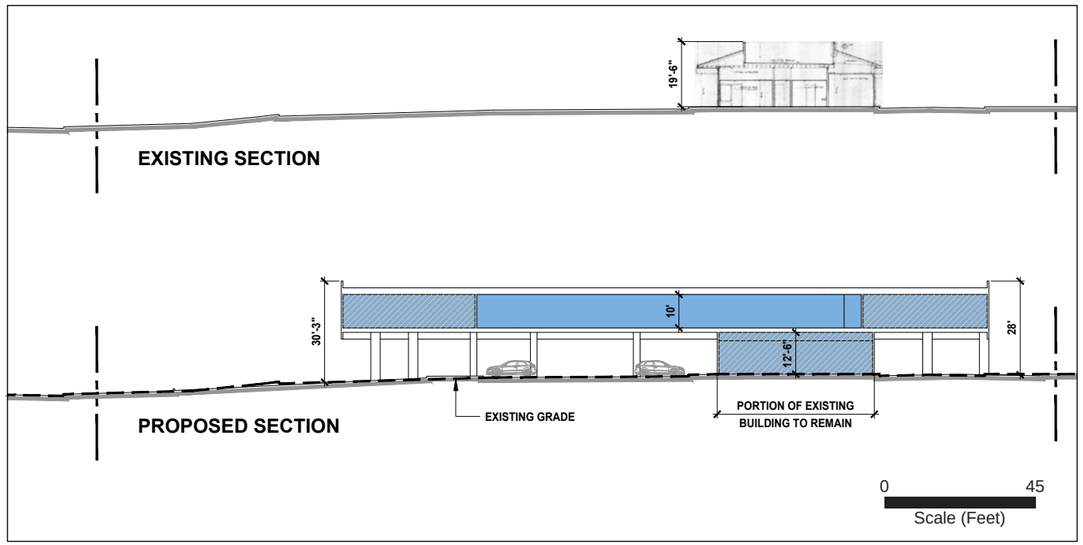
CONCEPTUAL GROUND LEVEL PLAN*



SECOND LEVEL PLAN*

*CONCEPTUAL LAYOUT PROVIDED FOR ESTIMATE OF RENTABLE FLOOR AREA

SITE AREA:	58,900 SF±
GROSS FLOOR AREA	
GROUND LEVEL:	5,742 SF±
SECOND LEVEL:	23,708 SF±
TOTAL:	29,450 SF±
FAR:	0.50
RENTABLE FLOOR AREA*	
GROUND LEVEL:	3,966 SF±
SECOND LEVEL:	21,026 SF±
TOTAL:	24,992 SF±
ONSITE PARKING:	106 STALLS
PARKING REQUIRED:	4 PER 1,000 SF RFA
PARKING PROVIDED:	4.24± PER 1,000 SF RFA



Project Boundary

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Scale (Feet)

Source: LCA Architects 2024.

1. Introduction

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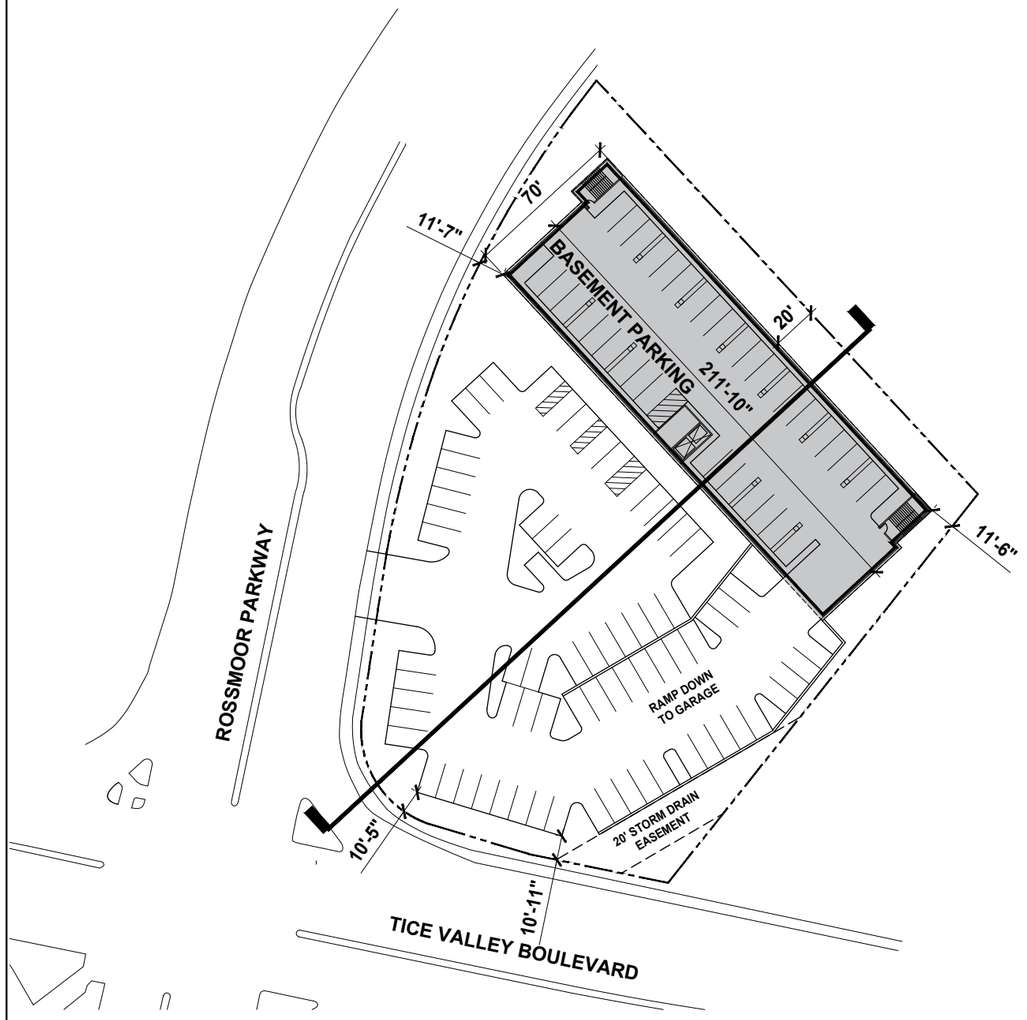
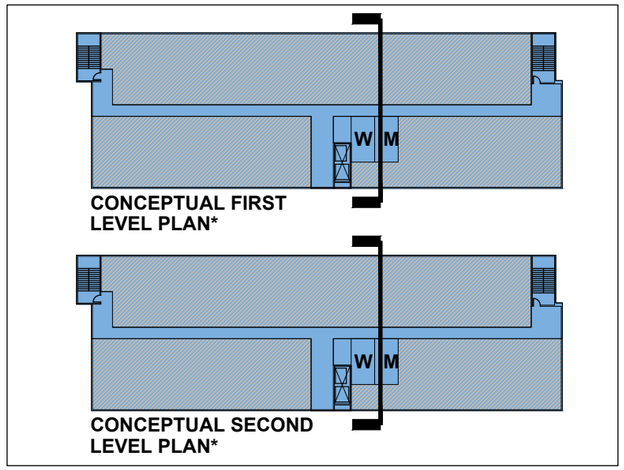
Figure 7 - Conceptual Layout (New Construction)

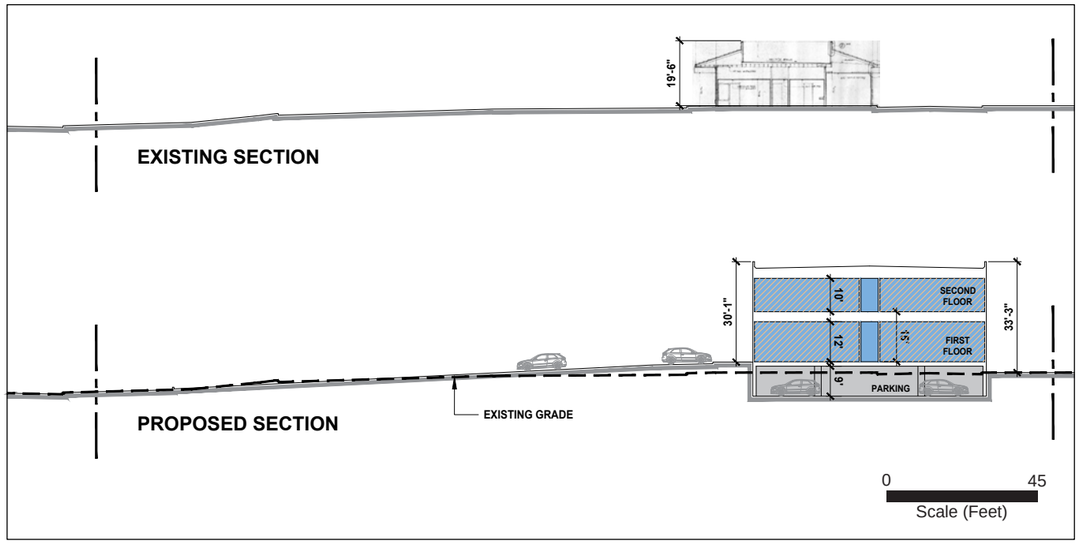


CONCEPTUAL GROUND LEVEL PLAN*



***CONCEPTUAL LAYOUT PROVIDED FOR ESTIMATE OF RENTABLE FLOOR AREA**

SITE AREA:	58,900 SF±
GROSS FLOOR AREA	
GROUND LEVEL:	14,725 SF±
SECOND LEVEL:	14,725 SF±
TOTAL:	29,450 SF±
FAR:	0.50
RENTABLE FLOOR AREA*	
GROUND LEVEL:	11,812 SF±
SECOND LEVEL:	11,812 SF±
TOTAL:	23,624 SF±
ONSITE PARKING:	109 STALLS
PARKING REQUIRED:	4 PER 1,000 SF RFA
PARKING PROVIDED:	4.61± PER 1,000 SF RFA



Project Boundary

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Scale (Feet)

Source: LCA Architects 2024.

1. Introduction

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2. Environmental Checklist

2.1 PROJECT INFORMATION

1. **Project Title:** 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

2. **Lead Agency Name and Address:**
   City of Walnut Creek
   Community Development Department
   1666 N. Main Street,
   Walnut Creek, CA 94596

3. **Contact Person and Phone Number:**
   Jessica Gonzalez, Senior Planner
   925.943.5899

4. **Project Location:** The project site is located at 1200 Rossmoor Parkway (APN 186-030-056), at the northeastern intersection of Rossmoor Parkway and Tice Valley Boulevard, in the City of Walnut Creek in Contra Costa County.

5. **Project Sponsor's Name and Address:**
   Thomas Bloxham
   91 Gregory Lane, Suite 5
   Pleasant Hill, CA 94523

6. **General Plan Designation:** Office (OF)

7. **Zoning:** Planned Development (PD)-1140

8. **Description of Project:** The proposed project is for a General Plan amendment and Rezone to change the General Plan land use and zoning designation for the project site. The existing land use designation for the property is Office (OF) in the Walnut Creek General Plan, and the property is zoned Planned Development (PD)-1140 for Bank use. The proposed project would change the General Plan designation of the project site to General Retail and establish a new PD zoning designation for the property that would allow a variety of uses based on the allowed uses and development standards in the existing Community Commercial (CC) District, with a few modifications. The new PD would incorporate the existing regulations of the CC zone with modifications to allowed height, FAR, and permitting requirements for a few uses. Specifically, the proposed PD would remove the CUP requirement for banks/savings/loans over 1,000 square feet, ground-floor professional office, ground-floor medical office, and standalone locally serving restaurants with take-out. The FAR would be increased from 0.3 allowed in the CC zone to a maximum FAR of 0.5 for Commercial and Mixed-uses in the new PD. The development regulations would allow two stories, with a maximum 35-foot height limit. It should be noted that the project analyzed in this

2. Environmental Checklist

Initial Study only involves an amendment to the General Plan and zoning designations. No physical changes, construction, or development is currently proposed for the property.

9. **Surrounding Land Uses and Setting:** Surrounding land uses on the north side of Tice Valley Boulevard include a medical office building immediately north of the project site and a nursing home further north. Immediately east of the project site is a church and a multifamily residential complex. A gas station is located to the immediate west, and a large shopping center is located further to the west, across Rossmoor Parkway. Land uses on the side of the Tice Valley Boulevard/Rossmoor Parkway intersection include a retail thrift store, on the southwest side and a park on the southeast side of the intersection.

10. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

    Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.94 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

    The City invited California Native American tribes that are traditionally and culturally affiliated with the project area to consult on the proposed project via mail and email. The following 11 tribes were contacted on August 8, 2024, consistent with Assembly Bill (AB) 52 and Senate Bill (18):

    - Amah Mutsun Tribal Band of Mission San Juan Bautista
    - Wilton Rancheria
    - Confederated Villages of Lisjan Nation
    - Guidiville Rancheria of California
    - Indian Canyon Mutsun Band of Costanoan
    - Muwekma Ohlone Indian Tribe of the SF Bay Area
    - Nashville Enterprise Miwok-Maidu-Nishinam Tribe
    - North Valley Yokuts Tribe
    - The Ohlone Indian Tribe
    - Wilton Rancheria
    - Wuksachi Indian Tribe/Eshom Valley Band

2.2 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

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

2.3 DETERMINATION (TO BE COMPLETED BY THE LEAD AGENCY)

On the basis of this initial evaluation:

☐ 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 project proponent. 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" impact 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 or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Principal Planner *Title*
Chip Griffin *Printed Name*	May 27, 2025 *Date*

2.4 EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors, as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.

5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

   a) **Earlier Analyses Used.** Identify and state where they are available for review.

   b) I**mpacts Adequately Addressed.** Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   c) **Mitigation Measures.** For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and
   b) the mitigation measure identified, if any, to reduce the impact to less than significance.

2. Environmental Checklist

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3. Environmental Analysis

Section 2.4 provided a checklist of environmental impacts. This section provides an evaluation of the impact categories and questions contained in the checklist and identifies mitigation measures, if applicable.

3.1 AESTHETICS

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) In nonurbanized 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?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated aesthetic impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses aesthetic impacts that could result from future potential development of the project site.

Would the project:

a) Have a substantial adverse effect on a scenic vista?

No Impact. For purposes of determining significance under CEQA, a scenic vista is generally defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the general public (e.g., a mountain range, lake, or coastline) or of a significant historic or architectural feature (e.g., views of a historic structure). Scenic vistas provide visual access or panoramic views to a large geographic area and are generally located at a point where surrounding views are greater than one mile away including urban skylines, valleys, mountain ranges, a large open space areas, the ocean, or other bodies of water. A substantial adverse effect to a scenic vista is one that degrades the view from a designated viewpoint.

3. Environmental Analysis

The views from Walnut Creek to surrounding open spaces, hills, and Mount Diablo are integral to the city's identity, sense of place, and character. The Walnut Creek General Plan identifies four scenic quality categories, including the following:

- **Panoramic View** is a wide unobstructed view of the surrounding area.
- **Mount Diablo View** is a view of Mount Diablo.
- **Urban View** is a view of the urban built environment.
- **Scenic Corridor** is a thoroughfare containing roads and associated features recognized for their scenic value.

The project site is located in an urbanized area of the City of Walnut Creek. The project site has been developed with a commercial building, a parking lot, landscaping, and walkways and has been previously used as a bank. Implementation of the proposed project would not include any development on the project site; however, development regulations for future projects would allow potential development of a two-story building with a maximum height of 35 feet, similar to current development regulations of the project site.

Implementation of the proposed project would maintain the existing visual quality of an urbanized commercial area in a city. Hills and mountains are visible from the project site; and would continue to be visible if the property were to be built out under the proposed zoning amendment, including the 35-foot height limit.

The Walnut Creek General Plan does not designate the project site as a viewpoint for Panoramic Views or Mount Diablo Views (Walnut Creek 2006). Although Tice Valley Boulevard is designated as a Scenic Corridor, implementation of the proposed project would not alter views to or from the roadway.

Therefore, the proposed project would not have a substantial adverse effect on a scenic vista; and no impact would occur.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. Scenic highways are a unique component of the region's circulation system as they traverse areas of scenic or aesthetic value. Per Caltrans, a highway may be designated as scenic depending on how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view (Caltrans 2022).

The project site is not located on an officially designated state scenic highway or an eligible state scenic highway. The nearest officially designated state scenic highway is Interstate 680 (I-680), approximately one mile northeast of the project site, and the nearest eligible state scenic highway is California State Route 13 (SR-13), approximately 8 miles southwest of the project site.

Therefore, the proposed project would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway; and no impact would occur.

c) In nonurbanized 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?

Less Than Significant Impact. A project is generally considered to have a significant aesthetic impact if it substantially changes the character or quality of the project site such that the site becomes visually incompatible with or visually unexpected in its surroundings.

The project site is located in an urbanized area of the City of Walnut Creek. The existing zoning of the project site is PD-1140 for Bank use, and has a general plan designation of Office (OF). The project site has been developed with a commercial building, a parking lot, landscaping, and walkways and was previously used as a bank. The property's zoning limits it to the use of banks and financial institutions. The proposed project would amend the general plan land use designation to General Retail and the new PD zoning would incorporate aspects of the Community Commercial District zoning text.

Implementation of the proposed project would maintain the existing visual quality of an urbanized commercial area in a city. Any future development of the project site would be subject to the City's design review process (Walnut Creek 2024). Additionally, any future development proposed on the project site as a result of project implementation would be consistent with the proposed general plan land use designation and zoning regulations of the proposed project.

Therefore, the proposed project would not conflict with applicable zoning and other regulations governing scenic quality; and impacts would be less than significant.

d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. Lighting effects are associated with the use of artificial light during the evening hours. There are two primary sources of light: light emanating from building interiors passing through windows and openings, and light from exterior sources (i.e., street lighting, building illumination, security lighting, parking lot lighting, landscape lighting, and signage). Light spill or trespass are considered a nuisance and are typically defined as the presence of unwanted light on properties adjacent to the property being illuminated. With respect to lighting, the degree of illumination may vary widely depending on the amount of light generated, height of the light source, presence of barriers or obstructions, type of light source, and weather conditions. Uses such as residences, elderly care facilities, schools, and hotels are considered light sensitive, since occupants have expectations of privacy during evening hours and may be subject to disturbance by bright light sources; however, the project site is not adjacent to any of these uses.

Glare is primarily a daytime occurrence caused by the reflection of sunlight or artificial light on surfaces of buildings or objects, including highly polished surfaces such as glass windows or reflective materials and, to a lesser degree, from broad expanses of light-colored surfaces. Daytime glare generation is common in urban areas and is typically associated with buildings with exterior façades largely or entirely composed of highly reflective glass. Glare can also be produced during evening and nighttime hours by the reflection of artificial

3. Environmental Analysis

light sources such as automobile headlights. Glare-sensitive uses include residences, hotels, transportation corridors, and aircraft landing corridors.

The City of Walnut Creek adopted the 2022 California Energy Code as its energy code on December 16, 2022. The 2022 California Energy Code addresses requirements for nonresidential outdoor lighting systems design, install, luminaires, and lighting controls in Title 24 California Code of Regulations, Part 6 (Energy Code)(Walnut Creek 2006; CEC 2022).

The project site is located in an urbanized area of the City of Walnut Creek. Any future exterior lighting proposed on any of the properties would be subject to the 2022 California Energy Code And the City's design review process (Walnut Creek 2024). Additionally, any future development proposed on the project site as a result of project implementation would be consistent with the proposed general plan land use designation and zoning regulations of the proposed project. Therefore, the proposed project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area because no physical changes are being proposed; and impacts would be less than significant.

3.2 AGRICULTURE AND FORESTRY RESOURCES

Issues		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
II. AGRICULTURE AND FORESTRY RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:					
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?				X
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
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))?				X
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				X
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?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts agricultural resources associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to agriculture resources that could result from future potential development of the project site.

Would the project:

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?

No Impact. According to the California Department of Conservation's Important Farmland Finder, the project site is identified as Urban and Built-Up Land (CDC 2024). The project site is in a highly urbanized area of the city and is surrounded by commercial, open space/recreation and office uses. The project site does not contain farmland or other agricultural uses and is not adjacent or in proximity to such uses. Therefore,

implementation of the proposed project would not convert mapped farmland to nonagricultural use; and no impact would occur.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The project site currently has a general plan land us designation of Office (OF) and is zoned PD-1140 for Bank use. Under the proposed project, the general plan land use designation of the project site would be changed to General Retail (GR), and the zoning designation would change to a new PD that incorporate aspects of the Community Commercial District zoning.

Williamson Act contracts restrict the use of privately owned land to agriculture and compatible open space uses under contract with local governments; in exchange, the land is taxed based on actual use rather than potential market value. Since the project site is in a highly urbanized area of the city and does not contain active farmland or other agricultural uses, the project site is not subject to a Williamson Act contract (CDC 2024). Therefore, project implementation would not conflict with zoning for agricultural uses or a Williamson Act contract; and no impact would occur.

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))?

No Impact. Forest land is defined as "land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits" (PRC Section 12220(g)). Timberland is defined as "land…which is available for, and capable of, growing a crop of trees of any commercial species used to produce lumber and other forest products, including Christmas trees" (PRC Section 4526).

The property is in a highly urbanized area of the city and is surrounded by a mix of commercial, open space/recreation, and office uses. The project site is not designated or zoned for forest or timberland or used for forestry. Existing trees on any of the properties are ornamental trees and are not cultivated for forest resources. Therefore, the property does not meet the definition of lands designated as forestland or timberland in PRC Sections 12220(g), 4526, and 51104(g). Therefore, project implementation would have no impact on forest land or resources.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The proposed project would not result in the loss or conversion of forest land. No vegetation on-site is cultivated for forest resources, and the project site is not within any U.S. Department of Agriculture forest land (USDA 2024). No forest land would be affected by the proposed project; therefore, no impact would occur.

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?

No Impact. The project site is located within Urban and Built-Up Land, does not contain farmland or other agricultural uses, and is not adjacent or in proximity to such uses. (CDOC 2024). Thus, the proposed project would not result in the conversion of farmland to a nonagricultural use or conversion of forest land to nonforest use. Therefore, no impacts would occur.

3.3 AIR QUALITY

Issues		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:					
a)	Conflict with or obstruct implementation of the applicable air quality plan?			X	
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?		X		
c)	Expose sensitive receptors to substantial pollutant concentrations?			X	
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated air quality impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses air quality impacts that could result from future potential development of the project site.

The analysis in this section is based in part on the following study, which is in Appendix A of this Initial Study.

- *Air Quality and Greenhouse Gas Emissions Data*, PlaceWorks, October 2024

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.

Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The Bay Area Air Quality Management District (BAAQMD) is directly responsible for reducing emissions from area, stationary, and mobile sources in the San Francisco Bay Area Air Basin (SFBAAB) to achieve National and California Ambient Air Quality Standards (AAQS). In April of 2017, BAAQMD adopted its 2017 Clean Air Plan, which is a regional and multiagency effort to reduce air pollution in the SFBAAB. Regional growth projections are used by BAAQMD to forecast future emission levels in the SFBAAB. For the Bay Area, these regional growth projections are provided by the Association of Bay Area Governments (ABAG) and transportation projections are provided by the Metropolitan Transportation Commission (MTC) and are partially based on land use designations in city/county general plans. Typically, only large, regionally significant projects have the potential to affect regional growth projections.

The proposed project would involve the rezoning of the project site to a new General Plan Designation: General Retail, which could accommodate a variety of land uses such as bank and financial institutions, eating and drinking establishments, offices, or business and professional uses. The proposed project does not include a development proposal for the project site; however, rezoning of the site would increase the maximum FAR to 0.5, which would allow a total of 29,450 square feet of building space. Since future development accommodated by the proposed project is expected to result in fewer than 1,000 employees and would not result in 250,000 square feet of building space, the proposed project is not considered a regionally significant project under CEQA Guidelines Section 15206 that would affect regional vehicle miles traveled (VMT) and warrant intergovernmental review by ABAG and MTC.

Furthermore, the operational emissions generated by future development that could be accommodated by the proposed project would be less than the BAAQMD's emissions thresholds (see criterion (b) below). BAAQMD's emissions thresholds were established to identify projects that have the potential to generate a substantial amount of criteria air pollutants. Because the proposed project would not exceed these thresholds, the proposed project would not be considered by the BAAQMD to be a substantial emitter of criteria air pollutants. Therefore, the proposed project would not conflict with or obstruct implementation of the 2017 Clean Air Plan and impacts would be considered less than significant.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact With Mitigation Incorporated. Construction and operational impacts related to the proposed project are discussed separately below.

Regional Short-Term Construction Impacts

The proposed project would rezone the project site to accommodate a variety of land uses such as bank and financial institutions, eating and drinking establishments, offices, or business and professional uses and does not include any proposed construction; however, future potential redevelopment of the site facilitated by the proposed project would result in short-term construction-related criteria pollutant emissions with the potential to have an adverse effect on air quality. Short-term criteria pollutant emissions would occur during demolition, site preparation, grading, building construction, paving, and architectural coating activities associated with future redevelopment of the project site. Reactive organic gases (ROG) and nitrogen oxides (NO_X) emissions are primarily associated with gasoline and diesel equipment exhaust and the application of architectural coatings. Fugitive dust emissions (PM_{10} and $PM_{2.5}$) are primarily associated with site preparation and vary as a function of such parameters as soil silt content, soil moisture, wind speed, acreage of disturbance area, and VMT by construction vehicles on- and off-site. Typical construction equipment associated with development and redevelopment projects includes dozers, graders, excavators, loaders, and trucks.

Although the exact extent or duration of future potential construction on the project site is unknown at the time of preparation of this analysis, future potential development activities under the proposed project would generally entail demolition, site preparation, grading, building construction, paving, and painting. Fugitive dust emissions would typically be greatest during building demolition, site preparation, and grading activities due to the disturbance of soils and transport of material. NO_X emissions would result from the combustion of diesel

fuels used to power off-road heavy-duty vehicles and equipment (e.g., backhoes, bulldozers, excavators). The types and quantity of equipment, as well as duration of construction activities, would be dependent on project-specific design and objectives.

BAAQMD recommends project-level thresholds of significance for construction emissions that a future potential development project would be subject to. In addition, BAAQMD's *CEQA Air Quality Guidelines* identifies and recommends a series of "basic" measures to control and reduce construction-related fugitive dust emissions. The SFBAAB is currently designated a nonattainment area for both PM_{10} and $PM_{2.5}$, meaning the region does not meet the ambient air quality standards set for these criteria air pollutants by the State of California and the U.S. Environmental Protection Agency, and BAAQMD's recommended significance threshold for construction fugitive dust is binary, meaning that if a project includes dust control best management practices that resemble BAAQMD's Basic Dust Control Measures, then construction fugitive dust emissions would be less than significant; if a project does not include dust control best management practices that resemble BAAQMD's Basic Dust Control Measures, then construction fugitive dust emissions would be potentially significant. Because potential future development on the project site could reasonably involve demolition or earth-moving activities, Mitigation Measure AQ-1 would be required to ensure that all BAAQMD's Basic Dust Control Measures are implemented. With implementation of Mitigation Measure AQ-1, impacts related to construction fugitive dust for potential future development of the project site would be less than significant.

Construction activities would also produce combustion emissions from various sources, such as on-site heavy-duty construction vehicles, vehicles hauling materials to and from the site, and motor vehicles transporting the construction crew. Site preparation activities produce fugitive dust emissions (PM_{10} and $PM_{2.5}$) from demolition and soil-disturbing activities, such as grading and excavation. Air pollutant emissions from construction activities on site would vary daily as construction activity levels change. Construction activities associated with the project would result in emissions of ROG, NO_X, carbon monoxide (CO), Coarse particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$). Nonetheless, no development proposal is included in the proposed project; therefore, it would be speculative to quantify construction-related emissions associated with future development of the project site as the duration of construction, extent of use and type of construction equipment, and extent of overall development and site improvements are unknown at this time.

Operational Impacts

As previously stated, the proposed project would rezone the project site to a new General Plan designation: General Retail, which could accommodate a variety of land uses such as bank and financial institutions, eating and drinking establishments, offices, or business and professional uses. Fehr & Peers prepared a memorandum to analyze a variety of realistic development scenarios that could be accommodated by the proposed project. According to the *1200 Rossmoor Parkway: Transportation Impact Assessment* (Appendix D) prepared by Fehr & Peers; a scenario that includes a mix of different restaurant types would result in the highest vehicle trip generation. Because mobile-source emissions typically constitute the largest emission source for land use development projects that would be accommodated by the proposed project, this restaurant scenario was assumed for the operational emissions modeling associated with future development of the project site.

Long-term, operational air pollutant emissions are generated by area sources (e.g., landscape fuel use, aerosols, architectural coatings, and asphalt pavement), energy use (on-site natural gas), and mobile sources (i.e., on-road vehicles). Consistent with the *1200 Rossmoor Parkway: Transportation Impact Assessment* (Appendix D), future development of the project site that could be accommodated by the proposed rezoning and legislative changes could generate up to 5,438 daily vehicle trips. Future development of the project site was assumed to result in the maximum FAR of 0.5, resulting in 29,450 square feet of a mix of restaurant uses, with the balance of the project site consisting of landscaping and parking. Table 2, *Operational Criteria Air Pollutant Emissions Estimates*, identifies the operational criteria air pollutant emissions associated with the proposed project.

Table 2 Operational Criteria Air Pollutant Emissions Estimates

	Criteria Air Pollutants (average lbs./day)1			
Category	**ROG**	**NOX**	**PM10**	**PM2.5**
Project Emissions				
On-Road Mobile	23	24	45	12
Area	1	<1	<1	<1
Energy	<1	1	<1	<1
Total	**24**	**25**	**45**	**12**
BAAQMD Average Daily Project-Level Threshold	54	54	82	54
Exceeds BAAQMD Threshold?	No	No	No	No
	Criteria Air Pollutants (tons/year)			
	ROG	**NOX**	**PM10**	**PM2.5**
Annual Project Emissions	4	5	8	2
BAAQMD Annual Project-Level Threshold	10	10	15	10
Exceeds BAAQMD Threshold?	No	No	No	No

Source: California Emissions Estimator Model (CalEEMod), Version 2022.1. Appendix A.
Notes: Emissions may not total to 100 percent due to rounding.
1. Average daily emissions are based on the annual operational emissions divided by 365 days.

As shown in Table 2, the operational emissions generated by future development of the project site would not exceed the BAAQMD daily or annual thresholds. Therefore, future development accommodated by the proposed project would not cumulatively contribute to the nonattainment designations of the SFBAAB and impacts from project-related operation activities to the regional air quality would be less than significant.

Mitigation Measure(s)

AQ-1 The project applicant/sponsor shall comply with the Bay Area Air Quality Management District's basic best management practices for reducing construction-related emissions of uncontrolled fugitive dust (coarse inhalable particulate matter [PM_{10}] and fine inhalable particulate matter [$PM_{2.5}$]) as follows:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- 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.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- 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.
- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
- All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
- Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
- Publicly visible signs shall be posted with the telephone number and name of the person to contact at the City regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

These measures shall be incorporated on grading plans prepared by the applicant submitted to the City of Walnut Creek Community Development Department. The project applicant/sponsor shall implement these measures during ground disturbing activities. The City shall verify compliance that these measures have been implemented during normal construction site inspections.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact.

Construction Health Risk

Emissions from construction equipment primarily consist of diesel particulate matter (DPM). As discussed, the proposed project does not include any development proposal at this time; therefore, it would be speculative to assess potential construction impacts as the schedule and equipment use can vary widely among different project types and would heavily influence the potential construction-related emissions and health risk impacts. No construction is proposed at this time; thus, the proposed project would result in no impact related to

construction health risk. However, any future project construction on the project site that is subject to CEQA would be required to analyze potential construction-related impacts.

Operation Phase Community Risk and Hazards

Types of land uses that typically generate substantial quantities of criteria air pollutants and toxic air contaminants include industrial (stationary sources), manufacturing, and warehousing (substantial truck idling) land uses. These types of major air pollutant emissions sources are not included in the land use types that could be accommodated by the proposed project. Because no development proposal is included in the proposed project, no stationary sources are anticipated at this time, and the variety of land uses that could be accommodated by the proposed project, such as bank and financial institutions, eating and drinking establishments, offices, or business and professional uses, would not generate a significant amount of heavy-duty truck trips (a source of DPM). Therefore, the proposed project would not expose sensitive receptors to substantial concentrations of air pollutant emissions during operation, and impacts would be less than significant.

Local Carbon Monoxide Hotspots

Areas of vehicle congestion have the potential to create pockets of CO called hotspots. These pockets have the potential to exceed the State 1-hour standard of 20 parts per million (ppm) or the 8-hour standard of 9 ppm. According to BAAQMD's 2022 CEQA Air Quality Guidelines (2023), for a project to have a potentially significant impact related to CO hotspots, the project must conflict with the local congestion management plan (CMP), generate vehicle traffic which causes an intersection to exceed 44,000 vehicles per hour, or generate vehicle traffic which causes an intersection to exceed 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., highway underpasses, beneath bridges).

Consistent with BAAQMD's recommended screening criteria for CO hotspots, the local CPM that would apply to the proposed project would be Contra Costa Transportation Authority's (CCTA) CMP. The proposed project would not conflict with CCTA's CMP because it would not hinder the capital improvements outlined in the CMP or alter regional travel patterns. CCTA's CMP must be consistent with MTC/ABAG's *Plan Bay Area* 2050. An overarching goal of the regional *Plan Bay Area* 2050 is to concentrate development in areas where there are existing services and infrastructure rather than allocate new growth in outlying areas where substantial transportation investments would be necessary to achieve the per capita passenger vehicle miles traveled and associated greenhouse gas (GHG) emissions reductions. Because the proposed project would accommodate the redevelopment of a site which currently generates traffic with uses that are intended to be local serving, it would be consistent with the overall goals of *Plan Bay Area* 2050 as it would serve the population surrounding the project site.

As previously mentioned, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited—in order to generate a significant CO impact. Consistent with the *1200 Rossmoor Parkway: Transportation Impact Assessment* (Appendix D), future development of the project site that would be accommodated by the proposed project could generate up to 404 AM peak hour vehicle trips and 442 PM peak hour vehicle trips. According to the City's Traffic Guru interactive online database for viewing traffic volumes (Walnut Creek

2014), the intersection of Tice Valley Boulevard and Rossmoor Parkway experiences 1,617 AM peak hour trips and 2,162 PM peak hour trips. Future development accommodated by the proposed project could reach a cumulative 2,021 AM peak hour trips and 2,604 PM peak hour trips at the intersection of Tice Valley Boulevard and Rossmoor Parkway. As a result, the proposed project would not result in the potential to substantially increase CO hotspots at intersections in the project vicinity, and impacts would be less than significant.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. BAAQMD's thresholds for odors are qualitative based on BAAQMD's Regulation 7, Odorous Substances. This rule places general limitations on odorous substances and specific emission limitations on certain odorous compounds. In addition, odors are also regulated under BAAQMD Regulation 1, Rule 1-301, Public Nuisance, which states that no person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or the public; or which endangers the comfort, repose, health or safety of any such persons or the public, or which causes, or has a natural tendency to cause, injury or damage to business or property. Under BAAQMD's Rule 1-301, a facility that receives three or more violation notices within a 30-day period can be declared a public nuisance. The BAAQMD has established odor screening thresholds for land uses that have the potential to generate substantial odor complaints, including wastewater treatment plants, landfills or transfer stations, composting facilities, confined animal facilities, food manufacturing, and chemical plant. Because the proposed project would not accommodate any of these odor-generating land use types, and also would be required to comply with standards/regulations, odor impacts would be less than significant.

3.4 BIOLOGICAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES. Would the project:				
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?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
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?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to biological resources associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to biological resources that could result from future potential development of the project site.

Would the project:

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?

No Impact. Special-status species include those listed as endangered or threatened under the federal Endangered Species Act or California Endangered Species Act, species otherwise given certain designations by the California Department of Fish and Wildlife, and plant species listed as rare by the California Native Plant Society. The project location is in a highly urbanized area of the city and surrounded by a mix of commercial,

open space/recreation, and office uses. Additionally, the property is disturbed and developed and does not have any natural habitat that could contain sensitive species or a sensitive natural community. Considering the current disturbed and developed nature of the property and its surroundings, the property does not have capacity to support any candidate, sensitive, or special-status species. Therefore, no impact would occur.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. No riparian, sensitive, or undisturbed native/natural habitats exist within or adjacent to the project location (USFWS 2024a). The property is disturbed and/or developed and is surrounded by highly urbanized uses. Additionally, no physical changes, construction, or development are proposed for the property as part of the project. Therefore, no impact would occur.

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?

No Impact. The project site is developed as a former bank, and lacks any federally or state protected aquatic resources, including wetlands and streams. Tice Creek is adjacent to the project site; however, no development would be proposed within the creek. Therefore, the project would not have a substantial adverse effect on State or federally protected wetlands through direct removal, filling, hydrological interruption, or other means. No impact would occur.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

No Impact. The property associated with the project is in a highly urbanized area of the city and is surrounded by a mix of commercial, open space/recreation, and office uses. No critical habitat exists on or in proximity to any of the properties (USFWS 2024b). The property and its surroundings do not represent a wildlife movement corridor nor route between open space habitats. Although the property may provide some habitat for limited wildlife movement and live-in habitat—particularly for reptile and avian species and small to medium mammals that are adapted to urban settings—the property does not function as a wildlife corridor. Neither the property nor environs has been identified or designated as wildlife corridors. Furthermore, no physical changes, construction, or development is proposed for the property, and the existing uses and conditions of the property as part of the project. Therefore, no impact would occur.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The property associated with the project is disturbed and developed. There are no biological resources that exist on or within the vicinity of the properties. The City does have a tree preservation ordinance. Based on historic aerials, no "original trees" still exist on the property (Wood 2019b). No physical changes,

construction, or development are proposed for the property as part of the project. Therefore, no impact would occur.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The property associated with the project is in highly urbanized area of the City and surrounded by a mix of commercial, open space/ recreation and office uses. The property is not in a habitat conservation plan or natural community conservation plan (CDFW 2024). Therefore, no impact would occur.

3.5 CULTURAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?		X		
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?		X		
c) Disturb any human remains, including those interred outside of dedicated cemeteries?		X		

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to cultural resources associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to cultural resources that could result from future potential development of the project site.

The analysis in this section is based in part on the tribal correspondence in Appendix E of this Initial Study.

Would the project:

a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?

Less Than Significant Impact with Mitigation Incorporated. Section 15064.5 defines historic resources as resources listed or determined to be eligible for listing by the State Historical Resources Commission, a local register of historical resources, or the lead agency. Generally a resource is considered "historically significant" if it meets one of the following criteria:

i) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

ii) Is associated with the lives of persons important in our past;

iii) Embodies the distinctive characteristics of a type, period, region or method of construction, or represents the work of an important creative individual, or possesses high artistic values;

iv) Has yielded, or may be likely to yield, information important in prehistory or history.

The project site is in an urbanized area of the City of Walnut Creek. The project site is disturbed and has been developed with a one-story, 5,274-square-foot building, a 32-space parking lot, landscaping, and walkways. The proposed project would amend the existing general plan and zoning designations of the project site and would not involve any physical changes, construction, or development.

The project site is not identified on any federal, state, or local historic registers (NPS 2024; OHP 2024; HLAC 2019), including the National Register of Historic Places (NRHP), the California Historical Landmarks and Points of Historical Interest, and the Contra Costa Historic Resources Inventory. However, Mitigation Measure CUL-1 would be implemented before any demolition or significant alterations to the existing building to assess its potential historical significance and comply with local preservation regulations; this would help determine if the property holds historical value and should be protected from major modifications or demolition. Therefore, implementation of Mitigation Measure CUL-1 would reduce potential impacts to less than significant levels.

Mitigation Measure(s)

CUL-1 Prior to any demolition or significant alterations to the existing building, the project applicant/sponsor will ensure that a Historic Resource Evaluation (HRE) is completed by a licenses architectural historian, to assess the potential historical significance of the existing building. If the building is historically significant, the project applicant/sponsor will be required to comply with local preservation regulations.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

Less Than Significant Impact with Mitigation Incorporated. The project site is in an urbanized area of Walnut Creek and there are no known archeological resources present on the project site. The project site is disturbed and has been developed with a one-story building, parking lot landscaping, and walkways. Therefore, no impact would occur.

A Native American Sacred Lands file search was conducted in July 2024 which positively identified cultural resources within or near the project site. Coordination with the Wilton Rancheria is recommended for further identification of the positive identification at the site (see Appendix E). Due to the developed nature of the project site, it is unlikely that archaeological resources exist within the current project site. No physical changes, construction, or development are proposed under the proposed project; however, grading, excavation, and other ground-disturbing activities that may occur during future construction at the project site that could result in the exposure or destruction of unknown archaeological resources. Implementation of Mitigation Measure CUL-2 would reduce this potential impact to a less-than-significant level by ensuring any archeological resources encountered are appropriately evaluated and, if necessary, recovered.

Mitigation Measure(s)

CUL-2: The project applicant/sponsor shall ensure that a Native American monitor and an archaeological monitor be present for all ground disturbing activities during any construction on the project site, as requested by the Amah Mutsun Tribal Band of San Juan Bautista. Additionally, as requested by the Confederated Villages of Lisjan Nation and as recommended in the Native American Sacred Lands file search letter dated July 29, 2024, the project applicant/sponsor shall contact the Wilton Rancheria and the Confederated Villages of Lisjan Nation before any ground disturbing activities occur on the project site to ensure that these tribes have an opportunity to provide further input. If any prehistoric or historic cultural

resources are discovered during ground-disturbing activities, the project applicant/sponsor shall ensure that all work within 50 feet of the resources is halted and a qualified archaeologist shall be consulted to assess the significance of the find according to CEQA Guidelines Section 15064.5. If any find is determined to be significant, representatives from the City, the Native American monitor, and a qualified archaeologist to be retained by the City and funded by the project applicant/sponsor would meet to determine the appropriate avoidance measures or other appropriate mitigation. All significant cultural materials recovered shall be, as necessary and at the discretion of a consulting archaeologist, subject to scientific analysis, professional museum curation, and documentation according to current professional standards. In considering any suggested mitigation proposed by the consulting archaeologist to mitigate impacts to historical resources or unique archaeological resources, the City shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data recovery) would be instituted at the expense of the project applicant/sponsor. Work may proceed on other parts of the project site while mitigation for historical resources or unique archaeological resources is being carried out.

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant Impact with Mitigation Incorporated. There are no cemeteries on or near the project site. The nearest cemetery to the project site is the Lafayette Cemetery at 3285 Mount Diablo Boulevard in the City of Lafayette, approximately three miles north of the project site. Additionally, the project site is located in an urbanized area of the city. The surrounding area is also developed and consists of existing roads, buildings, and other urban uses.

The proposed project does not include any physical changes, construction, or development or any other ground-disturbing activities on the project site. Future development of the project site after could have the potential to disturb previously undiscovered subsurface human remains. In the unlikely event that human remains are uncovered during ground-disturbing activities, implementation of Mitigation Measure CUL-3 would reduce this potential impact to a less-than-significant level, in compliance with the California Health and Safety Code Section 7050.5 and the California Public Resources Code Sections 5097.94 and 5097.98.

CUL-3: If human remains are encountered, the project applicant/sponsor shall ensure all work stop in the immediate vicinity of the remains and the Contra Costa County Coroner and a qualified archaeologist shall be notified immediately so that an evaluation can be performed at the expense of the project applicant/sponsor. If the remains are deemed to be Native American and prehistoric, the NAHC must be contacted by the Coroner so that a "Most Likely Descendant" can be designated.

3.6 ENERGY

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

The project would not directly result in the construction of any development or infrastructure and no ground disturbance would occur. This energy analysis would typically quantify and discuss anticipated energy usage associated with construction and operation of a project to determine whether the project would result in the wasteful, inefficient, or unnecessary consumption of energy resources; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses energy consumption that could result from future potential development of the project site.

The analysis in this section is based in part on the following study, which is in Appendix A of this Initial Study.

- *Air Quality and Greenhouse Gas Emissions Data*, PlaceWorks, October 2024

Would the project:

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation:

Less Than Significant Impact.

Short-Term Construction

While no specific development proposal is included as part of the proposed project, future development of the project site would create temporary increased demands for electricity and vehicle fuels compared to existing conditions and would result in short-term transportation-related energy use. It should be noted, however, that specific energy usage can only be quantified after a specific project has been proposed because energy usage is dependent on project development characteristics, schedule, and equipment use.

Equipment Electricity Use

Most off-road construction equipment do not rely on electricity as the primary energy source. Construction activities for commercial and retail land uses typically include demolition, site preparation, grading, paving, building construction, architectural coating, and landscaping. The majority of construction equipment that would reasonably be expected for redevelopment of the project site—particularly those used for demolition, grading, paving, and building construction—would be gas or diesel powered, and electricity would not be used

to power most of the construction equipment. Some construction activities, such as architectural coating or landscaping, could result in the use of electricity-powered equipment. It is anticipated that the majority of electric-powered construction equipment would be hand tools (e.g., power drills, table saws) and lighting, which would result in minimal electricity usage during construction activities. Electricity is expected to be available on-site during construction from existing connections. Therefore, project-related construction activities would not result in wasteful or unnecessary electricity demands, and this impact would be less than significant.

Equipment Natural Gas Use

Because the supply of natural-gas-powered construction equipment is very limited, it is not anticipated that construction equipment used for future redevelopment of the project site would be powered by natural gas. Therefore, future development of the project site is not anticipated to generate natural gas demand, and this impact would be less than significant with respect to natural gas usage.

Transportation Energy Use

Transportation energy use during construction of development facilitated by the proposed project would come from delivery vehicles, haul trucks, and construction employee vehicles. Additionally, transportation energy demand would come from the use of gas- and diesel-powered off-road construction equipment.

The use of energy resources by vehicles and equipment would fluctuate according to the activity of construction and would be temporary. In addition, all construction equipment would cease operating upon completion of construction activities associated with future redevelopment of the project site. Thus, impacts related to transportation energy use during construction would be temporary and would not require expanded energy supplies or the construction of new infrastructure. Furthermore, it is anticipated that the construction equipment would be well maintained and meet the appropriate tier ratings per US Environmental Protection Agency (EPA) emissions standards, and vehicles used by construction worker commuting would need to meet the EPA's fuel economy standards that incrementally improve year over year, resulting in greater fuel efficiency on average in future years. Moreover, to limit wasteful and unnecessary transportation energy consumption, the construction contractors are anticipated to minimize nonessential idling of off-road equipment and heavy-duty vehicles during construction, in accordance with Section 2449 of the California Code of Regulations, Title 13, Article 4.8, Chapter 9. Construction worker trips would also not result in unnecessary use of energy since the project site is centrally located and is served by numerous regional freeway systems (i.e., SR-24 and I-680) that provide the most direct routes from various areas of the region. Thus, transportation energy use during construction of development facilitated by the proposed project would not be considered inefficient, wasteful, or unnecessary. This impact would be less than significant.

Long-Term Operation

As previously identified, no physical changes, construction, or development are proposed at this time. Nonetheless, future redevelopment of the project site could create additional demand for electricity and natural gas compared to existing conditions. Long-term, operational energy demand for commercial and retail land use developments typical include use of electricity and natural gas from heating, cooling, and mechanical ventilation of buildings; water heating; use of on-site equipment and appliances; lighting; and security system. Any future redevelopment of the project site would be subject to applicable regulations in the City's Municipal Code

relating to energy usage as well as federal and State energy laws and regulations, such as Title 24, Parts 6 (Energy Code) and 11 (CALGreen) of the California Code of Regulations.

The other notable long-term, operational energy consumption from future redevelopment of the project site would consist of transportation fuel use from vehicles. Consistent with the 1200 Rossmoor Parkway: Transportation Impact Assessment (Appendix D), future development of the project site that could be accommodated by the proposed project could generate up to 5,438 daily vehicle trips. As noted for construction worker commuting, vehicles used by employees and visitors of future uses on the project site would need to meet the USEPA's fuel economy standards applicable to that vehicle's model year, which incrementally improve year over year, resulting in greater vehicle fuel efficiency on average in future years. Moreover, similar to construction worker commuting, future employees and visitors would also not result in unnecessary use of energy since the project site is centrally located and is served by numerous regional freeway systems (i.e., SR-24 and I-680) that provide the most direct routes from various areas of the region. Therefore, future development facilitated by the proposed project would result in a less than significant impact.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency:

Less Than Significant Impact. As previously evaluated, potential construction activities associated with future development facilitated by the proposed project would require the use of energy in the form of diesel fuel and gasoline for worker vehicles and construction equipment. The energy consumed during construction would be temporary and would not represent a significant or wasteful demand on available resources, which would be consistent with applicable renewable energy plans.

California Renewables Portfolio Standard Program

The State's electricity grid is transitioning to renewable energy under California's Renewable Portfolio Standard (RPS). Eligible renewable sources of electricity under the RPS include wind, small hydropower, solar, geothermal, biomass, and biogas. Electricity production from eligible renewable sources is generally considered carbon neutral. Executive Order S-14-08, signed in November 2008, expanded the RPS to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Senate Bill 350 (de Leon) was signed into law September 2015 and establishes tiered increases to the RPS—40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. Senate Bill 350 also set a new goal to double the energy-efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

On September 10, 2018, Governor Brown signed SB 100, which supersedes the SB 350 requirements. Under SB 100, the RPS for in-state sales of electricity from load serving entities (LSE) consist of 44 percent renewable energy by 2024, 50 percent by 2026, 52 percent by 2027, and 60 percent by 2030. The bill also established a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Additionally, SB 1020 adds interim targets to SB 100 framework to require renewable energy and zero-carbon resources to supply 90 percent of all retail electricity sales by 2035 and 95 percent of all retail electricity sales by 2040. Under SB 100 and SB 1020 the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

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The Statewide RPS requirements do not directly apply to individual development projects, but to utilities and energy providers whose compliance with RPS requirements would contribute to the State objective of transitioning to renewable energy. The future land uses accommodated by the proposed project would comply with the current and future iterations of the Building Energy Efficiency Standards and CALGreen.

Walnut Creek Sustainability Action Plan

The City of Walnut Creek Sustainability Action Plan was adopted in July 2023. It aims to achieve a sustainable vision for the future, adapt to a changing climate, and rapidly reduce greenhouse gas (GHG) emissions to support a pathway to net-zero emissions by 2045. The Sustainability Action Plan continues the City's efforts to address climate change by reducing GHG emissions 40 percent below 1990 GHG emission levels by 2030 and 85 percent below 1990 GHG emission levels by 2045.

The Sustainability Action Plan provides 21 strategies to reduce GHG emissions and promote sustainability and resilience over six sectors: Building and Energy Supply, Transportation and Land Use, Water and Wastewater, Waste, Outdoor Equipment, and Community Health and Resilience. While most of the policies apply specifically to existing structures, municipal actions, or public awareness measures, the proposed project is generally consistent with the overall objective of the Sustainability Action Plan.

The proposed project would involve changing the General Plan land use and zoning designations for a singular property. The property is currently designated as Office (OF) in the Walnut Creek General Plan and zoned as Planned Development (PD)-1140 for bank use and would be amended to a General Retail General Plan designation and a Planned Development (PD) based on the Community Commercial District zoning designation to enable a wider variety of uses.

Future development on the project site would be required to comply with the Energy Code, which would stipulate the installation of electric-ready and solar-ready features in the building design. Moreover, as described in Section 3.8, *Greenhouse Gas Emissions*, the proposed project would be consistent with the applicable strategies within City of Walnut Creek Sustainability Action Plan to reduce GHG emissions and promote energy efficiency. Overall, the proposed project would not interfere with any other State or local plans for renewable energy or energy efficiency and impacts would be less than significant.

3.7 GEOLOGY AND SOILS

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS. Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?				X
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?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to geological resources and soils associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to geological resources and soils that could result from future potential development of the project site.

Would the project:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning map, issued by the State Geologist for the area or based on other

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substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less than Significant Impact. The project site is not in an established Alquist-Priolo Earthquake Fault Zone (CDOC 2023). The nearest fault to the project site is the Franklin Fault approximately 0.25 mile east of the project site. No active faults with the potential for surface fault rupture are known to pass directly beneath the site.

The proposed project involves an amendment of the general plan and zoning designations for the property. No physical changes, construction, or development is proposed under the proposed project. However, future development of the project site would be required to comply with all City building regulations and implement standard engineering and seismic safety design techniques to avoid or minimize potential damage from seismic shaking. These standard practices would ensure that the future buildings on the project site are designed to properly account for soils-related hazards. Therefore, project impacts would be less than significant.

ii) Strong seismic ground shaking?

Less than Significant Impact. As discussed previously, the project site is not in an Alquist-Priolo Earthquake Fault Zone. However, as with all parts of the Bay Area, movement associated with active faults could cause strong ground shaking at the project site. The degree of ground shaking and earthquake-induced damage is dependent on multiple factors, such as distances to causative faults, earthquake magnitudes, and expected ground accelerations.

The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, any future development on the project site would be required to comply with California Building Codes (CBC), which would ensure that future buildings would be designed to withstand ground shaking. Compliance with the seismic design parameters of the CBC ensures that all building and construction projects implement a minimum standard for building design and construction that includes specific requirements for seismic safety, evacuation, foundations, retaining walls, and site demolition. Therefore, less than significant impact would occur.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction is the sudden reduction of soil shear strength and sudden increase in porewater pressure caused by shear strains, as could result from an earthquake. Liquefaction could be broken down into free-field settlements (i.e., settlement of the ground surface), building settlement (i.e., settlement of the building relative to the ground surface), and ejecta (e.g., sand boils). The total settlement of the buildings is the combination of the three.

According to the California Department of Conservation, the project is located within a liquefaction zone (CDOC 2024). The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project.

However, any future development on the project site would be required to comply with the design parameters of the CBC to limit the potential for liquefaction. Therefore, the impact would be considered less than significant.

iv) Landslides?

Less Than Significant Impact. A landslide is a type of erosion in which masses of earth and rock move downslope as a single unit. Susceptibility of slopes to landslides and other forms of slope failure depend on several factors, which are usually present in combination and include steep slopes, condition of rock and soil materials, the presence of water, formational contacts, geologic shear zones, and seismic activity.

The project site is not in an area with the potential for earthquake-induced landslides (CDOC 2024). Thus, the potential for earthquake-induced landslides at the site is considered low, and the impact would be considered less than significant.

b) Result in substantial soil erosion or the loss of topsoil?

No Impact. Erosion is a normal and inevitable geologic process whereby earthen materials are loosened, worn away, decomposed, or dissolved and moved from one place to another. Precipitation, running water, waves, and wind are all agents of erosion. Ordinarily, erosion proceeds imperceptibly, but when the natural equilibrium of the environment is changed, the rate of erosion can be greatly accelerated. This can create aesthetic as well as engineering problems on undeveloped sites. Accelerated erosion in an urban area can cause damage by undermining structures; blocking storm drains; and depositing silt, sand, or mud in roads and tunnels. Eroded materials can eventually be deposited in local waters, where the carried silt remains suspended in the water for some time, constituting a pollutant and altering the normal balance of plant and animal life.

The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, project-related construction activities for future development of the project site could expose soil through excavation, grading, and trenching, and thus could cause erosion during heavy winds or storms. Construction projects of one acre or more (such as the project site) are regulated under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. Project applicants obtain coverage by developing and implementing a Stormwater Pollution Prevention Plan (SWPPP) estimating sediment risk from construction activities to receiving waters and specifying best management practices that would be incorporated into the construction plan to minimize stormwater pollution. Categories of BMPs used in SWPPPs are described in Table 3, *Construction Best Management Practices*. Construction of the proposed project would be subject to the Statewide General Construction Permit and implementation of BMPs specified in the SWPPP.

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Table 3 Construction Best Management Practices

Category	Purpose	Examples
Erosion Controls and Wind Erosion Controls	Cover and/or bind soil surface, to prevent soil particles from being detached and transported by water or wind.	Mulch, geotextiles, mats, hydroseeding, earth dikes, swales.
Sediment Controls	Filter out soil particles that have been detached and transported in water.	Barriers such as straw bales, sandbags, fiber rolls, and gravel bag berms; desilting basin; cleaning measures such as street sweeping.
Tracking Controls	Minimize the tracking of soil off-site by vehicles.	Stabilized construction roadways and construction entrances/exits; entrance/outlet tire wash.
Non-stormwater Management Controls	Prohibit discharge of materials other than stormwater, such as discharges from the cleaning, maintenance, and fueling of vehicles and equipment. Conduct various construction operations, including paving, grinding, and concrete curing and finishing, in ways that minimize non-stormwater discharges and contamination of any such discharges.	BMPs specifying methods for: Paving and grinding operations; cleaning, fueling, and maintenance of vehicles and equipment; concrete curing; concrete finishing.
Waste Management and Controls (i.e., good housekeeping practices)	Management of materials and wastes to avoid contamination of stormwater.	Spill prevention and control, stockpile management, and management of solid wastes and hazardous wastes.

Source: CASQA 2012.

Construction activities would not generate substantial erosion. Therefore, with the implementation of the BMPs referenced above, construction-phase soil erosion would have no impact.

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?

Less Than Significant Impact. Hazards arising from liquefaction and landslides would be less than significant, as discussed in Sections a(iii) and a(iv).

- **Lateral Spreading.** Lateral spreading is the downslope movement of surface sediment due to liquefaction in a subsurface layer. Although the project site is within a liquefaction zone, any future development on the project site would be required to comply with the design parameters of the CBC to limit the potential for liquefaction. Therefore, the impact would be considered less than significant. Therefore, the proposed project would not expose people or residences to adverse effects associated with lateral spreading. Impacts would be less than significant.

- **Subsidence.** The major cause of ground subsidence is withdrawal of groundwater. The project site is not over a groundwater basin. Therefore, project implementation would not pose substantial hazards to people or structures due to ground subsidence, and impacts would be less than significant.

- **Collapsible Soils.** Collapsible soils are typically geologically young, unconsolidated sediments of low density that may compress under the weight of structures. Since the project site is not over a

groundwater basin, the risk of soil expansion and collapse is considered low. Therefore, impacts would be less than significant.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less Than Significant Impact. Expansive soils possess clay particles that react to moisture changes by shrinking when dry or swelling when wet. These soils have the potential to crack building foundations and, in some cases, structurally distress the buildings themselves. Minor to severe damage to overlying structures is possible.

The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, future development on the project site the project would be constructed in accordance with the standard engineering practices in the California Building Code. A grading permit from the Walnut Creek Department of Public Works would be obtained prior to the issuance of a Public Works clearance. These standard practices would ensure that the proposed project would be designed and constructed to minimize hazards due to expansive soils, and the soil conditions on-site would not be exacerbated by the project such that it would impact (or worsen) on- or off-site conditions. Therefore, impacts would be less than significant.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. A project would cause a significant impact if adequate wastewater disposal were not available. Future development on the project site is not anticipated to require the use of septic tanks or alternative wastewater disposal systems. The project site is in a residential and commercial area and would connect to existing sewer lines. Therefore, no impacts would occur.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Impact with Mitigation Incorporated. A paleontological resource is a natural resource characterized as faunal or floral fossilized remains but may also include specimens of nonfossil material dating to any period preceding human occupation. A significant impact would occur if ground-disturbing activities (e.g., grading, excavation) associated with project construction would disturb, damage, or destroy previously unknown buried paleontological features and deposits that could be considered significant resources.

The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, future construction activities on the project site could require surficial grading and minimal excavation over the project site. In the unlikely event that paleontological resources are discovered during excavation or grading, potential impacts would be reduced through compliance with regulatory requirements in California Public Resources Code Section 21083.2, and implementation of Mitigation Measure GEO-1. Through compliance with regulatory requirements and implementation of MM-GEO-1, the potential for disturbing

a known or unknown paleontological or geological resource as a result of the proposed development would be less than significant.

Mitigation Measure(s)

GEO-1: In the event that fossils or fossil-bearing deposits are discovered during construction, the project applicant/sponsor shall ensure that excavations within 50 feet of the find be temporarily halted or diverted. The project applicant/sponsor shall be responsible for notifying a qualified paleontologist to examine the discovery. The paleontologist shall document the discovery as needed, in accordance with Society of Vertebrate Paleontology standards (Society of Vertebrate Paleontology 1995), evaluate the potential resource, and assess the significance of the find under the criteria set forth in CEQA Guidelines Section 15064.5. The paleontologist shall notify the appropriate agencies to determine procedures that would be followed before construction is allowed to resume at the location of the find. If the project applicant/sponsor determines that avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of the project based on the qualities that make the resource important. The plan shall be submitted to the City for review and approval prior to implementation.

3.8 GREENHOUSE GAS EMISSIONS

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?		X		
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?		X		

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated greenhouse gas emissions impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses greenhouse gas emissions impacts that could result from future potential development of the project site.

The analysis in this section is based in part on the following studies, which are in Appendix A of this Initial Study.

- *Air Quality and Greenhouse Gas Emissions Data*, PlaceWorks, October 2024

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHGs, into the atmosphere. The primary source of GHGs is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHGs—water vapor, carbon dioxide (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons.[1]

Information on manufacture of cement, steel, and other "life cycle" emissions that would occur as a result of the project are not applicable and are not included in the analysis.[2] Black carbon emissions are not included in the GHG analysis because the California Air Resources Board (CARB) does not include this pollutant in the

[1] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, but part of the feedback loop rather than a primary cause of change.

[2] Life cycle emissions include indirect emissions associated with materials manufacture. However, these indirect emissions involve numerous parties, each of which is responsible for GHG emissions of their particular activity. The California Resources Agency, in adopting the CEQA Guidelines Amendments on GHG emissions found that lifecycle analyses was not warranted for project-specific CEQA analysis in most situations, for a variety of reasons, including lack of control over some sources, and the possibility of double-counting emissions (CNRA 2018). Because the amount of materials consumed during the operation or construction of the proposed project is not known, the origin of the raw materials purchased is not known, and manufacturing information for those raw materials are also not known, calculation of life cycle emissions would be speculative. A life-cycle analysis is not warranted (CAPCOA 2008).

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state's Senate Bill 32 (SB 32) and Assembly Bill 1279 (AB 1279) inventory and treats this short-lived climate pollutant separately.[1] A background discussion on the GHG regulatory setting and GHG modeling can be found in Appendix A to this Initial Study.

CARB adopted the *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) on December 15, 2022, which lays out a path to achieve carbon neutrality by 2045 or earlier and to reduce the State's anthropogenic GHG emissions. The Scoping Plan was updated to address the carbon neutrality goals of EO B-55-18 and the State's ambitious GHG reduction target as directed by AB 1279. Previous Scoping Plans focused on specific GHG reduction targets for our industrial, energy, and transportation sectors—to meet 1990 levels by 2020, and then the more aggressive 40 percent below that for the 2030 target. The 2022 Scoping Plan expands upon earlier Scoping Plans with a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045. Carbon neutrality takes it one step further by expanding actions to capture and store carbon including through natural and working lands and mechanical technologies, while drastically reducing anthropogenic sources of carbon pollution at the same time.

The path forward was informed by the Intergovernmental Panel on Climate Change's recent Assessment Report 6, and the measures would achieve 85 percent below 1990 levels by 2045 in accordance AB 1279. CARB's 2022 Scoping Plan identifies strategies as shown in Table 4, *Priority Strategies for Local Government Climate Action Plans*, that would be most impactful at the local level for ensuring substantial process toward the State's carbon neutrality goals.

Table 4 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Transportation Electrification	Convert local government fleets to zero-emission vehicles (ZEV) and provide electric vehicle charging at public sites.
	Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as building standards that exceed state building codes, permit streamlining, infrastructure siting, consumer education, preferential parking policies, and ZEV readiness plans).
Vehicle Miles Traveled Reduction	Reduce or eliminate minimum parking standards.
	Implement Complete Streets policies and investments, consistent with general plan circulation element requirements.
	Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, micro transit, etc.
	Increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking.
	Implement parking pricing or transportation demand management pricing strategies.
	Amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing allowable density of the neighborhood).
	Preserve natural and working lands by implementing land use policies that guide development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, strategic conservation easements)

[1] Particulate matter emissions, which include black carbon, are analyzed in Section 3.3, Air Quality. Black carbon emissions have sharply declined due to efforts to reduce on-road and off-road vehicle emissions, especially diesel particulate matter. The state's existing air quality policies will virtually eliminate black carbon emissions from on-road diesel engines within 10 years (CARB 2017).

Table 4 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Building Decarbonization	Adopt all-electric new construction reach codes for residential and commercial uses.
	Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers).
	Adopt policies and incentive programs to electrify all appliances and equipment in existing buildings such as appliance rebates, existing building reach codes, or time of sale electrification ordinances
	Facilitate deployment of renewable energy production and distribution and energy storage on privately owned land uses (e.g., permit streamlining, information sharing)
	Deploy renewable energy production and energy storage directly in new public projects and on existing public facilities (e.g., solar photovoltaic systems on rooftops of municipal buildings and on canopies in public parking lots, battery storage systems in municipal buildings).

Source: California Air Resources Board (CARB). 2022. Final 2022 Scoping Plan Update and Appendices. https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents. Accessed November 15, 2024.

For non-industrial development projects, CARB recommends this first approach to demonstrate that these land use development projects are aligned with State climate goals based on the attributes of land use development that reduce operational GHG emissions while simultaneously advancing fair housing. Land use development projects that would be consistent with the GHG and equity goals of SB 32 and AB 1279 have all the following attributes:

Transportation Electrification

- Provide electric vehicle (EV) charging infrastructure that, at a minimum, meets the most ambitious voluntary standards in the California Green Building Standards Code at the time of project approval.

Vehicle Miles Traveled (VMT) Reduction

- Is located on infill sites that are surrounded by existing urban uses and reuses or redevelops previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).
- Does not result in the loss or conversion of the State's natural and working lands.
- Consists of transit-supportive densities (minimum of 20 residential dwelling units/acre), is in proximity to existing transit stops (within a half mile), or satisfies more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS).
- Reduces parking requirements by:
  - Eliminating parking requirements or including maximum allowable parking ratios (i.e., the ratio of parking spaces to residential units or square feet); or
  - Providing residential parking supply at a ratio of <1 parking space per dwelling unit; or
  - For multifamily residential development, requiring parking costs to be unbundled from costs to rent or own a residential unit.

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- At least 20 percent of the units are affordable to lower-income residents.
- Result in no net loss of existing affordable units.

Building Decarbonization

- Use all electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking.

The second approach to project-level alignment with State climate goals is net zero GHG emissions, especially for new residential development. The third approach is to align with GHG thresholds of significance, which many local air quality management and air pollution control districts have developed or adopted. Because the proposed project would accommodate future land uses that are comparable to residential and mixed-use developments (e.g., bank and financial institutions, eating and drinking establishments, offices, business and professional uses), the 2022 Scoping Plan's first approach of incorporating applicable project attributes is utilized in this analysis to determine whether the proposed project would have a potentially significant impact.

Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact with Mitigation Incorporated. A project does not generate enough GHG emissions on its own to influence global climate change; therefore, this section analyzes the project's contribution to the cumulative environmental impact associated with GHG emissions. Due to the programmatic nature of the proposed project as a General Plan amendment and rezone of the project site, allowing for a range of potential land uses, the City has elected to utilize consistency with the 2022 Scoping Plan to determine whether the proposed project would result in a significant impact related to GHG emissions.

Redevelopment of the project site would contribute to climate change through direct and indirect emissions of GHG from the construction activities needed to implement the project, which would generate a short-term increase in GHG emissions. As previously discussed, the proposed project would involve the rezoning of the project site and a new general plan designation: General Retail, which could accommodate a variety of land uses such as bank and financial institutions, eating and drinking establishments, offices, or business and professional uses. The proposed project does not include a development proposal for the project site; however, rezoning of the site would increase the maximum floor to area ratio (FAR) to 0.5, which would allow a total of 29,450 square feet of building space. Because no construction is proposed and the parameters of redevelopment of the project site could vary widely, it would be speculative to quantify construction-related emissions; therefore, no construction emissions were quantified and included in this analysis.

Implementation of the proposed project would generate GHG emissions from vehicle trips, water demand, wastewater and solid waste generation, area sources (e.g., consumer cleaning products), and energy usage (i.e., natural gas and electricity). Future development proposals would be required to comply with the applicable measures of the Building Energy Efficiency Standards and CALGreen. The project would also include project design features that address water conservation and water-efficient landscaping that would comply with

CALGreen. These features include low-flow fixtures, native landscaping, rainwater catchment system, and dedicated separate landscaping water meters. These features would all help to reduce GHG emissions.

Consistent with the air quality emissions analysis contained in Section 3.3, *Air Quality*, and consistent with the *1200 Rossmoor Parkway: Transportation Impact Assessment* (Appendix D), future development of the project site that could be accommodated by the proposed rezoning and legislative changes could generate up to 5,438 daily vehicle trips. Future development of the project site was assumed to result in the maximum FAR of 0.5, resulting in 29,450 square feet of a mix of restaurant uses, with the balance of the project site consisting of landscaping and parking. Operational emissions of the project are shown in Table 5*, Unmitigated Project Operational GHG Emissions*, for informational purposes only. It should also be noted that as discussed in Section 3.17, *Transportation*, future development facilitated by the proposed project would not result in an increase in per capita VMT; therefore, the mobile-source emissions shown in Table 5 are presumed to not change from existing to proposed conditions with respect to the City's communitywide GHG emissions inventory.

Table 5 Unmitigated Project Operational GHG Emissions

Source	$MTCO_2e$
Mobile	8,497
Area	1
Energy	337
Water	18
Solid Waste	109
Refrigerants	8
Total Emissions	**8,970**

Source: CalEEMod v. 2022.1. (see Appendix D1)

CARB Scoping Plan

As previously discussed, the 2022 Scoping Plan identifies three priority areas for local actions that would support and amplify the overall state efforts to reduce GHG emissions and achieve the long-term climate goals: 1) transportation electrification, 2) VMT reduction, and 3) building decarbonization. Table 6, *Project Consistency with Scoping Plan Priority Areas*, evaluates consistency of the proposed project with these three Scoping Plan local action priorities and their attributes.

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Table 6 Project Consistency with Scoping Plan Priority Areas

Priority Area	Priority Area Attributes	Project Consistency
Transportation Electrification	Provide EV charging infrastructure that, at a minimum, meets the most ambitious voluntary standards in the California Green Building Standards Code at the time of project approval.	**Consistent with Mitigation:** There is no specific development proposed on the project site at this time. As such, the design of future development on the project site is unknown, and the City does not currently have a requirement or ordinance stipulating that the most ambitious CALGreen voluntary standards for EV charging be met. Therefore, Mitigation Measure GHG-1 would be required to ensure that **future development proposed** for the project site would incorporate the most ambitious CALGreen voluntary standards for EV charging into the site design. Therefore, with implementation of Mitigation Measure GHG-1, the project would be consistent with this Scoping Plan priority area.
VMT Reduction	Meets local jurisdiction adopted SB 743 threshold for VMT.	**Consistent with Mitigation:** As discussed in Section 3.17, *Transportation*, depending on the mix of land uses and extent of development introduced to the project site, if either the General Office Building (greater than 10,100 square feet in size) or Medical Dental Office Building (greater than 3,060 square feet in size) alternatives are pursued, future development on the project site would not meet the City's local VMT reduction target under SB 374. As a result, Mitigation Measure T-1, as needed, would be required to ensure that future development on the project site implement and track transportation demand measures as necessary to meet the City's VMT reduction targets. If future development is proposed for the project site that consists of a land use mix that does not necessitate implementation of Mitigation Measure T-1 to achieve the City's VMT reduction targets and the project therefore meets the City's VMT reduction targets without implementation of Mitigation Measure T-1, then Mitigation Measure T-1 is not necessary to implement and the project would be less than significant. Therefore, with implementation of Mitigation Measure T-1, consistent with the conditional land use mix described in Section 3.17, *Transportation,* the project would be consistent with this Scoping Plan priority area.
Building Decarbonization	Use all electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking.	**Consistent with Mitigation:** The City does not currently have a requirement or ordinance stipulating that new development projects be designed all-electric, precluding the use of new natural gas appliances. Because CEQA focuses on the net increase in emissions beyond existing conditions, operation of the existing building and its existing natural gas infrastructure is

Table 6 Project Consistency with Scoping Plan Priority Areas

Priority Area	Priority Area Attributes	Project Consistency
		considered part of this analysis's baseline. As a result, Mitigation Measure GHG-2 would be required to ensure that **future development** on the project site precludes new natural gas infrastructure and plumbing, except where necessary to support commercial cooking activities. Mitigation Measure GHG-2 would not apply to the existing building space and would only apply to new building space, and would require that any GHG emissions generated by commercial cooking activities are fully avoided, reduced, or otherwise offset to ensure no net increase in building-related GHG emissions from baseline conditions. Therefore, with implementation of Mitigation Measure GHG-2, the project would be consistent with this Scoping Plan priority area.

Source: Source: California Air Resources Board (CARB). 2022. Final 2022 Scoping Plan Update and Appendices. https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents. Accessed November 15, 2024.

As discussed in Table 6, the project would be consistent with the priority areas of the 2022 Scoping Plan with incorporation of Mitigation Measures GHG-1, GHG-2, and T-1. Specifically, Mitigation Measure GHG-1 would require that any new off-street parking provided by future redevelopment of the project site to meet the Tier 2 EV charging standards of CALGreen, which currently represent the most ambition voluntary EV charging measures of CALGreen. Implementation of Mitigation Measure GHG-1 would ensure that future redevelopment of the project site would be consistent with the transportation electrification priority area of the 2022 Scoping Plan. Mitigation Measure GHG-2 would require future redevelopment of the project site to incorporate all-electric building designs for new construction, except where necessary for commercial cooking activities. For any commercial cooking activities that need natural gas infrastructure, Mitigation Measure GHG-2 would require that any net increase in building-related GHG emissions beyond existing conditions be avoided, reduced, or otherwise offset. Because CEQA focuses on the net increase in emissions beyond existing conditions, operation of the existing building and its existing natural gas infrastructure is considered part of this analysis's qualitative baseline with respect to consistency with the 2022 Scoping Plan priority areas. Therefore, implementation of Mitigation Measure GHG-2 would ensure future new development on the project site would be consistent with the building decarbonization priority area of the 2022 Scoping Plan.

Finally, Mitigation Measure T-1 would require the implementation of a TDM program to ensure future redevelopment of the project site would meet the City's VMT reduction target and, therefore, would ensure consistency with the VMT reduction priority area of the 2022 Scoping Plan. As a result, implementation of Mitigation Measures GHG-1, GHG-2, and T-1 would require future redevelopment of the project site to build into the development design attributes that are necessary for individual development projects to contribute their fair share to statewide GHG emissions reduction targets. Therefore, this impact would be less than significant with mitigation.

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Walnut Creek Sustainability Action Plan

The City of Walnut Creek Sustainability Action Plan was adopted in July 2023. It aims to achieve a sustainable vision for the future, adapt to a changing climate, and rapidly reduce greenhouse gas (GHG) emissions to support a pathway to net-zero emissions by 2045. The Sustainability Action Plan continues the City's efforts to address climate change by reducing GHG emissions 40 percent below 1990 GHG emission levels by 2030 and 85 percent below 1990 GHG emission levels by 2045.

The Sustainability Action Plan provides 21 strategies that provide a guide for how to reduce GHG emissions and promote sustainability and resilience over six sectors: Building and Energy Supply, Transportation and Land Use, Water and Wastewater, Waste, Outdoor Equipment, and Community Health and Resilience. While most of the policies apply specifically to existing structures, municipal actions, or public awareness measures, the proposed project is generally consistent with the overall objective of the Sustainability Action Plan.

The proposed project would involve changing the General Plan land use and zoning designations for a singular property. The property is currently designated as Office (OF) in the Walnut Creek General Plan and zoned as Planned Development (PD)-1140 for bank use and would be amended to a General Retail General Plan designation and a new Planned Development (PD) zoning based on the Community Commercial District zoning designation to enable a wider variety of uses.

Future development on the project site would be required to comply with the Energy Code, which would stipulate the installation of electric-ready and solar-ready features in the building design. Moreover, Mitigation Measure GHG-2 would require new spaces associated with future development facilitated by the proposed project to be all-electric, precluding the installation of new natural gas plumbing or appliances as part of the building design except as determined necessary to support commercial cooking activities. Through compliance with the Energy Code and Mitigation Measure GHG-2, future development resulting from implementation of the proposed project would be consistent with Strategy 4, which would require electrification and low-carbon materials for new buildings, and Strategy 8, which would promote sustainable development by using zoning, the General Plan, and other land use planning documents to promote the construction of transit-oriented development. Overall, the proposed project would be consistent and would not interfere with the City of Walnut Creek Sustainability Action Plan, and the impact would be less than significant.

Mitigation Measure(s)

GHG-1 Prior to the issuance of grading permits, the project applicant/sponsor shall submit site plans to the City of Walnut Creek Community Development Department to demonstrate compliance with the applicable California Green Building Standards Code (CALGreen) Voluntary Tier 2 Standards for electric vehicle (EV) charging stations and EV capable spaces for all new off-street parking provided.

GHG-2 Prior to the issuance of building permits, the project applicant/sponsor shall submit site plans to the City of Walnut Creek Community Development Department to demonstrate that all new construction and additions proposed for the site redevelopment resulting in newly constructed building space are designed all-electric and do not include any new natural gas

plumbing for building mechanical equipment or appliances. This mitigation measure shall only apply for new construction and not for existing building spaces. New construction shall be all-electric (i.e., natural gas plumbing shall not be permitted); however, any natural gas usage required for commercial cooking appliances shall be permitted and offset by purchasing carbon credits, installing on-site or off-site renewable power generation technologies, and/or any other building or site design improvements that reduce or offset any natural gas usage for commercial cooking appliances beyond existing conditions. No other building natural gas use shall be allowed for new construction, such as for space or water heating. The avoided, reduced, or otherwise offset annual GHG emissions resulting from any offset measures implemented pursuant to this mitigation measure shall be quantified, and the combined annual GHG emissions **offset shall be more than or equal to the quantified GHG emissions for the natural gas usage proposed for commercial cooking appliances**. Unless otherwise noted, all documentation for offset measures pursuant to this mitigation measure shall be submitted to and reviewed for approval by the City's Community Development Department prior to the issuance of any building permit. Implementation of this mitigation measure shall include one or more of the following options:

- **Purchase of Carbon Credits**. The project proponent/developer shall purchase carbon credits in an amount sufficient to offset the proposed project's natural gas GHG emissions over the building's expected 30-year lifetime from a voluntary GHG carbon offset provider with an established protocol that requires projects generating GHG carbon offsets to demonstrate that the reduction of GHG emissions are real, permanent, quantifiable, verifiable, enforceable, and additional (per the definition in California Health Safety Code Sections 38562(d)(1) and (2)). All carbon credits purchased to satisfy this mitigation measure shall be validated by the City prior to issuance of building permits. If only this offset measure is implemented for the project to satisfy the requirements of this mitigation measure, carbon credits **purchased shall be more than or equal to the quantified GHG emissions for the natural gas usage proposed for commercial cooking appliances.** Definitions for real, permanent, quantifiable, verifiable, enforceable, and additional—paraphrased from California Code of Regulations Title 17, Section 95802—are as follows:
    - **Real:** Estimated GHG reductions should not be an artifact of incomplete or inaccurate emissions accounting. Methods for quantifying emission reductions should be conservative to avoid overstating a project's effects. The effects of a project on GHG emissions must be comprehensively accounted for, including unintended effects (often referred to as "leakage").
    - **Additional:** GHG reductions must be additional to any that would have occurred in the absence of the Climate Action Reserve, or of a market for GHG reductions generally. "Business as usual" reductions (i.e., those that would occur in the absence of a GHG reduction market) should not be eligible for registration.

- **Permanent:** To function as offsets to GHG emissions, GHG reductions must effectively be "permanent." This means, in general, that any net reversal in GHG reductions used to offset emissions must be fully accounted for and compensated through the achievement of additional reductions.
- **Quantifiable:** The ability to accurately measure and calculate GHG reductions or GHG removal enhancements relative to a project baseline in a reliable and replicable manner for all GHG emission sources, GHG sinks, or GHG reservoirs in the offset project boundary, while accounting for uncertainty and activity-shifting leakage and market-shifting leakage.
- **Verified:** GHG reductions must result from activities that have been verified. Verification requires third-party monitoring of data for a project to ensure the data are complete and accurate.
- **Enforceable:** The emission reductions from offset must be backed by a legal instrument or contract that defines exclusive ownership and can be enforced within the legal system in the country in which the offset project occurs or through other compulsory means. Only credits originating within the United States shall be allowed.

- **Installation of Renewable Generation Technology.** The project proponent/developer shall provide documentation to the City detailing the annual generation output of new on-site and/or off-site photovoltaic or other renewable generation technology (e.g., wind) beyond what would be required for project compliance with Title 24, Part 6. Quantification of the annual generation output of renewable generation technologies implemented as part of the proposed project shall utilize California Energy Commission (CEC)-approved energy modeling software or CEC-approved calculation methodology. Annual generation output beyond that required under Title 24 shall be converted to MT CO2e using the alternative electricity provider's latest carbon intensity factor.
- **Building Design Improvements.** The project proponent/developer shall provide documentation to the City's Community Development Department detailing the building's energy efficiency performance beyond what would be required for project compliance with Title 24, Part 6. Documentation provided to the City to support implementation of this measure shall include at a minimum a completed Nonresidential Certificate of Compliance (NRCC) form and documented quantification of energy consumption reduction. Quantification of the annual natural gas and electricity consumption resulting from building design improvements beyond that required for compliance with Title 24, Part 6 shall utilize CEC-approved energy modeling software. Annual energy consumption reduction resulting from building design improvements beyond that required under Title 24 shall be converted to MT CO2e using the latest EPA-recommended conversion factors for natural gas and the alternative electricity provider's latest carbon intensity factor.

- **100-Percent Carbon-Free Electricity.** Prior to the issuance of any certificate of occupancy, the project proponent/property owner or the project tenant(s) shall provide documentation to the City demonstrating that the proposed project will consume 100 percent carbon-free electricity. At a minimum, the tenant(s) shall provide the City with electricity service documentation showing that electricity consumed by the project would be provided through Pacific Gas & Electric's (PG&E) "100% Solar Choice" or "Regional Renewable Choice" programs, Marin Clean Energy's "Deep Green 100%" service, or another equivalent electricity service which delivers power generated from 100 percent renewable and/or carbon-free sources. Annual electricity consumption that utilizes 100 percent renewable or carbon-free services shall be quantified using CEC-approved energy modeling software or CEC-approved calculation methodology and converted to MT CO2e using Pacific Gas & Electric's alternative electricity service's latest carbon intensity factor.

T-1 If either the General Office Building (greater than 10,100 square feet in size) or Medical Dental Office Building (greater than 3,060 square feet in size) alternatives are pursued, a detailed VMT assessment shall be performed for the specific project. The project applicant/sponsor shall prepare and implement a TDM Plan as part of future development if the General Office Building or Medical Dental Office Building alternatives are developed, which shall identify trip reduction strategies as well as mechanisms for funding and overseeing the delivery of trip reduction programs and strategies. Operational TDM strategies provide ongoing incentives and support for the use of non-auto transportation modes. TDM strategies are most effective for people that commute to and from a site on a regular basis, especially during weekday peak commute periods when transit service peaks and runs most frequently. Thus, the recommended strategies are generally targeted at site employees to reduce single-occupancy vehicular travel. Trip reduction strategies applicable to the proposed project may include, but are not limited to, the following:

a. Implement Alternative Work Schedules
b. Provide New Hire Packets on Transportation Options
c. Implement Subsidized or Discounted Transit Program
d. Provide Carpooling Programs
e. Implement Car-Sharing Program
f. Provide a Transit Riders Guide
g. Provide an Online TDM Information Center
h. Implement Commute Trip Reduction Marketing
i. Increase Bicycle and Pedestrian Facilities/Amenities
j. Free Trial Rides on Transit Services
k. Provide End-of-Trip Bicycle Facilities
l. Pre-tax Commuter Benefits
m. Bicycle Facility Monitoring and Supply
n. Provide a Guaranteed Ride Home Service

o. Implement Shuttle Services
p. Limit and Price Parking

To achieve the required reduction in VMT associated with the General Office Building (greater than 10,100 square feet in size) and Medical Dental Office Building (greater than 3,060 square feet in size) alternatives, an aggressive and robust TDM plan is required. The plan will need to include the limiting and unbundling of on-site parking supply along with above market rate pricing of the available workplace parking.

In addition, under the General Office Building and Medical Office Building alternatives, the applicant would need to fund and initiate a shuttle service from the site to the Walnut Creek BART station. The shuttle service should provide peak period headways of 30 minutes or lower.

TDM Effectiveness: The TDM Plan shall indicate the estimated Vehicle Trip Reduction (VTR) for each strategy proposed based on published research or guidelines. For TDM measures containing ongoing operational VTR strategies, the plan shall include an ongoing monitoring and enforcement program to ensure the plan is implemented on an ongoing basis during project operation. For Vehicle Trip Reduction (VTR) strategies involving physical improvements, the project shall obtain the necessary permits/ approvals from the City and install the improvements prior to the completion of the project.

TDM Plan Monitoring: The TDM Plan shall require regular periodic evaluation of the program to determine if the program goals in reducing automobile travel are satisfied and to assess the effectiveness of the various strategies implemented. Site management shall conduct annual travel surveys and driveway counts to monitor the amount of automobile travel generated by the project. The goal of the TDM Plan and programs shall be to reduce the project's daily VMT per worker from 15.4 to 13.1. Based on the results of the surveys, the TDM programs shall be increased if these requirements are not met. Annual travel surveys and driveway counts (TDM program monitoring) shall be conducted for the first five years following project occupancy. The results of the monitoring program and travel surveys shall be submitted to the City for review and approval. If the program VMT reduction goals are met in the first three years, annual monitoring and surveys shall be suspended. If the program's VMT reduction goals are not satisfied, site management shall prepare and submit for City approval a Corrective Action Plan. The Corrective Action Plan shall detail the additional TDM measures to be implemented on site and their expected travel/mode split reduction. Additional annual travel surveys and driveway counts shall be conducted for the two years following the implementation of the Corrective Action Plan to determine if the program's VMT reduction goals are satisfied.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

See response to Question 3.8 (a) above.

3.9 HAZARDS AND HAZARDOUS MATERIALS

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
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?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated hazardous materials impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses hazardous materials impacts that could result from future potential development of the project site.

Would the project:

a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?

Less Than Significant Impact. A significant impact would occur if the proposed project would create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, project-related construction activities for future development of would likely use limited amounts of hazardous materials, including vehicle fuels, grease, oils, transmission fluids, and coatings such as paint. Construction

activities would be required to comply with federal, state, and local regulations for the handling, use, transport, and disposal of hazardous materials. Agencies that provide oversight of hazardous materials include the US Environmental Protection Agency, Santa Clara County Department of Environmental Health, California Division of Occupational Safety and Health, US Occupational Safety and Health Administration, and US Department of Transportation.

Additionally, operation of the project site may involve the use and storage of common hazardous substances typical of those used in residential homes, such as lubricants, paints, solvents, cleaning supplies, pesticides, landscaping supplies, vehicle fuels, oils, and transmission fluids. Quantities of these materials would likely be minimal and similar to other surrounding establishments near the project site. With compliance to applicable standards and regulations and adherence to manufacturers' instructions for the transport, use, or disposal of hazardous materials, the proposed project would not create a significant hazard through the routine transport, use, or disposal of hazardous materials, and impacts would be less than significant.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact. A significant impact would occur if the proposed project created a significant hazard to the public or environment due to a reasonably foreseeable release of hazardous materials. The project involves an amendment of the general plan and zoning designations for the project site. No physical changes, construction, or development is proposed under the proposed project. However, project-related construction activities for future development would involve the use of hazardous materials, which may include fuels, lubricants, coatings, and grease for the operation and maintenance of construction equipment. These hazardous materials would be used in accordance with regulatory standards and manufacturers' specifications. They would be used in small quantities and stored consistent with handling instructions so that they do not pose significant safety hazards. Further, construction activities would be temporary. The operation of the proposed project would include the use of small amounts of hazardous materials that are typical of commercial developments, such as cleaning materials, paints, oils, fuels, pesticides, and fertilizers. These materials could be stored on-site in small quantities for cleaning and maintaining the facility. The use, storage, transport, and disposal of these potentially hazardous materials would comply with existing federal, state, and local regulations.

In the event of a reasonably foreseeable upset and accident regarding the release of hazardous materials, procedures and policies would be followed to remove the materials in a safe and timely manner. The proposed project would comply with regulations set forth by the Contra Costa County Hazardous Material Division (CCCHMD), which helps identify, analyze, and mitigate potential hazardous events in Walnut Creek. In addition, the State of California Office of Emergency Services provides a Hazardous Material Incident Contingency Plan, which outlines the procedures and responsibilities of agencies and private organizations concerning hazardous materials emergencies (Cal OES 1991). Implementation of the project would follow the appropriate procedures, and policies. Therefore, the potential for hazardous materials impacts through reasonably foreseeable upset and accident conditions to occur during construction or operation of the project site would be less than significant.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The project site is not located within one-quarter mile of an existing or proposed school. The nearest schools to the projects site is Parkmead Elementary School, which is approximately 0.7 mile north of the project site. Future construction on the project site would not be anticipated to involve the handling or transportation of significant amounts of hazardous materials, and any such use would be subject to applicable federal, state, and local health and safety regulations. Therefore, no impacts would occur.

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?

No Impact. According to the Department of Toxic Substances Control's (DTSC) EnviroStor database, the Project Site is not located on or within 0.5 mile of a toxic substance site (DTSC 2024). Additionally, according to the State Water Resources Control Board (SWRCB) GeoTracker database, the project site is not located within a hazardous materials site. Three Leaking Underground Storage Tank (LUST) cleanup sites and one LUST program site are located within 0.5 mile of the project site. Two of these cases were closed in 1996-1997, and on-site assessment has been open since 2000. There is no evidence the nearby site has been impacted by this facility.

Since the project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, future development on the project site would not create a significant hazard to the public or the environment. Therefore, no impacts would occur.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles or 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?

No Impact. The Project Site is not located within an airport land use plan or within two miles of a public use airport. The nearest public use airport is the Buchanan Field Airport located in the City of Concord, approximately 7.7 miles to the north (Contra Costa County Department of Public Works 2024). Therefore, no impacts would occur.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. The proposed project would not require any physical changes to the project site or surrounding area. Additionally, future development of the project site would not block roads and would not impede emergency access to surrounding properties. All construction staging and parking would occur on-site. Furthermore, existing emergency access to the project site would be maintained. The City of Walnut Creek has an Emergency Management Plan with an "all-hazards" approach that addresses different hazards that may occur within the City. This document outlines the established emergency routes within the city which include Interstate 680 and State Route 24. Neither of these routes would be affected during the proposed project. The

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City has an established community warning systems and emergency alert systems in place for hazards that may occur that can affect areas of the city. The proposed project would not interfere with approaches outlined in the adopted emergency management plan. This proposed project only outlines the amendment of the General plan and rezoning of the project location and would not interfere with established emergency plans. Therefore, there would be no impact.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. The Project Site is not located within a state or local Fire Hazard Severity Zone (FHSZ); however, a State Responsibility Area (SRA) Very High FHSZ is located approximately 0.75 mile east of the project site.

The proposed project would not require any physical changes to the project site or surrounding area as a part of the project that would put the area at a greater risk for wildland fires. The proposed project would be adequately served by the Contra Costa County Fire Protection District and would comply with regulations to minimize wildland fire risk during construction and operation. Therefore, there would be no impacts. Wildfire impacts are discussed further in Section 3.20, *Wildfire.*

3.10 HYDROLOGY AND WATER QUALITY

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				X
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 a substantial erosion or siltation on- or off-site;			X	
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;			X	
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			X	
iv) impede or redirect flood flows?				X
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated hydrology and water quality impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses hydrology and water quality impacts that could result from future potential development of the project site.

Would the project:

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less Than Significant Impact. Surface and ground water quality are managed by the San Francisco Bay Regional Water Quality Control Board (San Francisco Bay RWQCB). The proposed project would not include any development, construction, or demolition. Any future development on the project site will follow the Stormwater C.3 Guidebook, prepared for the Contra Costa Clean Water Program (Contra Costa Clean Water Program 2024). Best Management Practices (BMPs) would be implemented to reduce substantial erosion which

could lead to off-site water pollution and/or sedimentation of waterways. With the implementation of the measures contained in the SWPPP and BMPs for erosion prevention, future development on the project site would not violate any water quality standards or waste discharge requirements. Thus, the project would not include any activities that would violate water quality standards, waste discharge requirements, or degrade surface or groundwater quality. Therefore, impacts would be less than significant.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

No Impact. The proposed project site is located in the San Francisco Bay Hydrologic Region and in the Ygnacio Valley Groundwater Basin (CDWR 2004). The Ygnacio Valley Groundwater Basin is managed by the San Francisco Bay RWQCB. Future development of the project site would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge in the Ygnacio Valley Groundwater Basin. Therefore, no impact would occur.

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?

Less Than Significant Impact. A significant impact would occur if the proposed project would substantially impact surface water hydrology or if it would result in a permanent, adverse change to the movement of surface water that is sufficient to substantially change the current or direction of water flow and would result in substantial erosion or siltation.

Future development on the project site would be required to prepare and implement a SWPPP, which would include BMPs to reduce erosion and siltation, and would be subject to the Statewide General Construction Permit and implementation of BMPs specified in the SWPPP. Compliance with City regulations, National Pollutant Discharge Elimination System (NPDES) permit, and implementation of the SWPPP would ensure that the construction on the project site would not result in adverse water quality impacts while the existing drainage pattern of the site is being altered. Thus, the proposed project would not result in substantial erosion and siltation on- or off-site. Therefore, impacts would be less than significant.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

Less Than Significant Impact. A significant impact would occur if the proposed project would substantially impact surface water hydrology or if it would result in a permanent, adverse change to the movement of surface water that would substantially increase the rate or amount of surface runoff and cause flooding on- or off-site.

Future construction on the project site would not occur on steep slopes or on sensitive habitat areas and would therefore not cause substantial erosion or siltation. Therefore, implementation of the project and

any future operation on the project site would not result in a substantial increase in impervious surface area which would cause an increase in surface runoff, and impacts would be less than significant.

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?

Less Than Significant Impact. A significant impact would occur if the proposed project would substantially impact surface water hydrology or if it would increase runoff to exceed the capacity of stormwater drainage systems.

Although construction is not proposed at this time as part of the proposed project, future construction on the project site would be required to comply with the NPDES Construction General Permit and prepare and implement a SWPPP. Under the SWPPP, the proposed project would implement BMPs that would control surface runoff. This would ensure that the proposed project does not contribute excess runoff into the stormwater drainage system serving the project site. The proposed project would not result in a significant increase in site runoff nor change the local drainage patterns to exceed the capacity of stormwater drainage systems serving the project site. Nor would it add substantial sources of polluted runoff. Therefore, impacts would be less than significant.

iv) Impede or redirect flood flows?

No Impact. According to the Federal Emergency Management Agency (FEMA) Map, the project site is in Flood Zone X, which is an area determined to be outside the 0.2 percent annual chance floodplain. Although construction is not proposed at this time as part of the proposed project, future development of the project site would not impede or redirect flood flows. No impact would occur.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. The proposed project site is located in Zone "X" flood area and is considered an area with minimal flood risk. Additionally, the project site is not located in tsunami hazard area or in a seiche zone (DOC 2024). Therefore, the proposed project is not in a flood hazard, tsunami, or seiche zone and would risk the release of pollutants due to project inundation.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

No Impact. The City of Walnut Creek implements the Clean Water Program. The Clean Water Program exists to help residents, businesses, and visitors comply with the federal and State clean water regulations governing "non-point source" pollution (CWP 2024). The City of Walnut Creek is also a member of the Contra Costa Clean Water Program which helps its municipal and water district members implement stormwater quality activities in compliance with State and federal mandates (CCCWP 2024).

Future development of the project site would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Therefore, no impact would occur.

3.11 LAND USE AND PLANNING

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?			X	
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?			X	

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated land us and planning impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses land use and planning impacts that could result from future potential development of the project site.

Would the project:

a) Physically divide an established community?

Less Than Significant Impact. A significant impact would occur if the project would create a physical barrier in an established community, such as the construction of a new freeway or railroad or major street closures that could limit access across the neighborhood.

The property associated with the project is in a highly urbanized area of the city and surrounded by a mix of commercial, open space/ recreation and office uses. The project involves an amendment of the general plan and zoning designations of the property. No physical changes, construction, or development are proposed for the property at this time. Any future development on the project site would allow for commercial uses, including restaurants, retail and medical/professional office uses which support the local neighborhood. Future development would not introduce a physical barrier that would separate land uses, result in a physical change to the surrounding neighborhood street patterns, or otherwise impede movement through the neighborhoods. Therefore, impacts would be less than significant.

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?

Less Than Significant Impact. As described above, the proposed project would allow for commercial uses, including restaurants, retail, and medical/professional office uses that support the local neighborhood. The current General Plan land use designation of the property is Office (OF); however, the Office-Commercial District (O-C) zoning text prohibits restaurants and limits retail and personal service uses outside of the Core Area. Office space is in over-supply, and the character of the surrounding commercial uses are retail or services

that benefit the local community. Thus, accommodating service, retail, or office uses would complement the surrounding commercial in the immediate vicinity.

Current zoning on the project site is PD-1140 for Bank use. However, the current zoning of the project site is too restrictive, and only permits one use, banks (and similar financial institutions), also prohibiting temporary uses. The proposed zoning text would allow for various uses and would provide an opportunity for the City of Walnut Creek to continue economic development in the Tice Valley/Rossmoor district. Therefore, impacts would be less than significant.

3.12 MINERAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?				X
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?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to mineral resources associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to mineral resources that could result from future potential development of the project site.

Would the project:

a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?

No Impact. The project site is located in an area that has been classified as Mineral Resource Zone 4 (MRZ-4), which is defined as an area where available information is inadequate for assignment to any other MRZ zone, such as MRZs 1 through 3 (CGS 2024). Though the classification does not indicate if there are minerals of value to the region, there are no active mines in the project area; and the nearest active mine is located approximately 7 miles northeast of the project site (DMR 2024). Additionally, no oil and gas and geothermal wells exist on the project site or in the project area (CalGEM 2024).

The proposed project is located in an urbanized area of Walnut Creek. Mining activities on the project site and in the project area would not be permitted under the current zoning and proposed zoning designations. Therefore, no impact would occur.

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?

No Impact. The proposed project would not result in the loss of availability of a locally important mineral resource recovery site. The Walnut Creek General Plan does not identify any important mineral resource recovery sites (Walnut Creek 2006). Additionally, the project site is not located in any specific plan boundaries and is not included in any other local land use plans. Therefore, no impact would occur.

3.13 NOISE AND VIBRATION

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE. Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			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

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated noise impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses noise impacts that could result from future potential development of the project site.

The analysis in this section is based in part on the following studies, which are in Appendix C of this Initial Study.

- *Noise and Vibration Modeling Data*, PlaceWorks, June 2024

Noise is defined as unwanted sound and, when over exposed, is known to have several adverse effects on people, including hearing loss, speech and sleep interference, physiological responses, and annoyance. Based on these known adverse effects of noise, federal, state, county, and city governments have established criteria to protect public health and safety and to prevent the disruption of certain human activities, such as classroom instruction, communication, or sleep. Additional information on noise and vibration fundamentals and applicable regulations are contained in Appendix C.

Applicable Noise Standards

Walnut Creek General Plan 2025

The Walnut Creek General Plan 2025 establishes noise related goals and land use compatibility standards under the Safety and Noise Element. The City has adopted the following applicable goals and policies:

Goal 8: Provide compatible noise environments for new development, redevelopment, and condominium conversions.

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- **Policy 8.1:** Apply the noise and land use compatibility table and standards to all residential, commercial, and mixed-use proposals, including condominium conversions.

- **Policy 8.2:** Address the issue of residences affected by intermittent urban noise from sources such as heating, ventilating, and air conditioning equipment and by outdoor maintenance activities, such as parking lot sweeping and early morning garbage collection.

    - **Action 8.2.2:** For new multifamily residential projects and for the residential component of mixed-use development, use a standard of 65 Ldn in outdoor areas, excluding balconies.

    - **Action 8.2.3:** Strive for a maximum interior noise levels at 45 Ldn in all new residential units.

    - **Action 8.2.4:** For new downtown mixed-use development or for new residential development affected by noise from BART or helicopters, ensure that maximum noise levels do not exceed 50 Ldn in bedrooms and 55 Ldn in other rooms.

Goal 9: Control excessive noise sources in existing development.

- **Policy 9.1:** Control all residential and commercial noise sources to protect the existing noise environment.

    - **Action 9.1.1**: Require the evaluation of noise mitigation measures for projects that would cause a substantial increase in noise.

Walnut Creek Municipal Code

The City of Walnut Creek Municipal Code Chapter Section 4-6.201 provides provisions for controlling and prohibiting noise impacts for health, safety and welfare of Walnut Creek citizens. Section 4-6.203 (f), *Construction or Repair of Buildings*, states the erection, construction, demolition, alteration or repair of any building, structure or residence that requires a permit, or the excavation of any earth, fill, streets or highways that requires a grading permit, other than between the hours of 7:00 a.m. and 6:00 p.m. on weekdays which are not holidays, or those precise hours of operation enumerated in individual building and grading permits.

If the Chief of Code Enforcement determines that the public health, safety and welfare will not be impaired by the erection, construction, demolition, alteration or repair of any building, structure or residence during hours other than permitted in the preceding paragraph, and if he or she further determines that loss or inconvenience would result to any person in interest, he or she may grant permission for such work to be done, the specific hours and days of operation to be enumerated in the permit.

Section 4-6.2052, Exemptions, exempts businesses and individuals using maintenance equipment in the Core Area and in business parks may commence at 7:00 a.m. on weekdays which are not holidays but are otherwise subject to the limitations set forth above.

The City has not established criterion for construction noise or vibration. Therefore, to determine impact significance, the Federal Transit Administration (FTA) criteria are used in this analysis. A construction noise impact would occur if project construction generates noise levels greater than 80 dBA Leq at noise sensitive

residential uses and 85 dBA Leq at commercial uses. A vibration impact would occur if project vibration levels exceed 0.2 inches/second (in/sec) peak particle velocity (PPV) at the façade of a non-engineered structure (e.g., wood-frame residential) at the nearby sensitive residential uses.

Existing Noise Environment

The project site is situated in a predominantly commercial area of the City of Walnut that is characterized by traffic noise along Tice Valley Boulevard and Rossmoor Parkway. As shown below in Table 9, *Project-Related Increases in Traffic Noise*, *dBA CNEL at 50 Feet*, existing noise levels along Tice Valley Boulevard, Boulevard Way, Olympic Boulevard, and Rossmoor Parkway range from 61 dBA to 69 dBA CNEL. Intermittent noise from nearby commercial land uses also contributes to the overall noise environment in the project vicinity.

Sensitive Receptors

According to the Walnut Creek General Plan Chapter 4, Built Environment, facilities or land uses such as hospitals, day care centers, schools and residences, are particularly sensitive to noise and vibration (Walnut Creek, City of 2005). These uses are regarded as sensitive because they are where people most frequently engage in activities that are likely to be disturbed by noise, such as reading, studying, sleeping, resting, or quiet or passive recreation. Commercial and industrial uses are not particularly sensitive to noise but are still evaluated in terms of vibration damage.

The nearest off-site sensitive receptor to the project site boundary is the Grace Presbyterian Church located at 2100 Tice Valley Boulevard, approximately 120 feet southeast from the nearest project site boundary to the nearest church property boundary.

Would the project:

a) Generate 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?

Less than significant impact. The project involves an amendment of the general plan and zoning designations of the property associated with the project. Although construction of the project site is unknown at the time of preparation of this analysis, any future development on the project site is assumed to consist of typical construction equipment and operation similar to uses designated for the rezone of the site.

Construction Equipment

Noise generated by on-site construction equipment is based on the type of equipment used, its location relative to sensitive receptors, and the timing and duration of noise-generating activities. Construction activities would involve different types of equipment and have distinct noise characteristics. Heavy equipment, such as a loader, can have maximum, short-duration noise levels of up to 85 dBA at 50 feet. However, overall noise emissions vary considerably, depending on what specific activity is being performed at any given moment. Table 7, *Construction Equipment Noise Emission Levels*, lists typical reference noise levels associated with construction equipment proposed for use on the project site at 50 feet.

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Table 7 Construction Equipment Noise Emission Levels

Construction Equipment	Typical Max Noise Level (dBA L_{eq} at 50 feet)
Backhoe	74
Generator	78
Grader	81
Loader	75
Paver	74
Roller	73

Source: FTA 2018.

Noise attenuation due to distance, the number and type of equipment, and the load and power requirements to accomplish tasks during construction activities would result in different noise levels from construction activities at a given receptor. Since noise from construction equipment is intermittent and diminishes at a rate of at least 6 dBA per doubling of distance (conservatively disregarding other attenuation effects from air absorption, ground effects, and shielding effects provided by intervening structures or existing solid walls), the average noise levels at noise-sensitive receptors could vary considerably, because mobile construction equipment would move around the site (site of each development phase) with different equipment mixes, loads, and power requirements

Construction equipment and phases are not known at this time; therefore, construction equipment mix was modelled under similar scenarios for the rezone of the project using the Federal Highway Administration Roadway Construction Noise Model (RCNM). Average noise levels from project-related construction activities are calculated by modeling the three loudest pieces of equipment per activity phase. Equipment for grading and site preparation is modeled at spatially averaged distances (i.e., from the acoustical center of the general construction site to the property line of the nearest receptors) because the area around the center of construction activities best represents the potential average construction-related noise levels at the various sensitive receptors for mobile equipment. Similarly, construction noise from demolition is modeled from the center of the project site. Building construction and architectural coating are measured from the edge of the proposed buildings to the nearest sensitive receptors. Additionally, paving is measured from the edge of the nearest paving areas to the nearest sensitive receptors. As mentioned previously under Existing Noise Environment, the nearest noise sensitive receptor is Grace Presbyterian Church, approximately 120 feet to the southeast of the project site. Results are summarized in Table 8, *Project Related Construction Noise Levels (dBA)*, at the nearest receptors. Construction noise levels at the church (east) and the park (south) were modeled between 63 dBA and 77 dBA Leq. Construction noise levels at commercial uses to the west and north were modeled between 66 dBA and 81 dBA Leq. Construction noise levels would not exceed the FTA threshold of 80 dBA Leq and 85 dBA Leq at adjacent noise sensitive church and commercial uses, respectively.

Table 8 Project-Related Construction Noise Levels

Construction Activity Phase	Noise Levels in dBA L_{eq}				
	RCNM Reference Noise Level	Receptor to North	Receptor to East	Receptor to South	Receptor to West
Distance in feet	**50**	**90**	**120**	**270**	**200**
Demolition	85	80	77	70	73
Site Preparation	85	80	77	70	73
Grading	85	80	77	70	73
Distance in feet	**50**	**80**	**140**	**180**	**125**
Building Construction	80	76	71	69	72
Architectural Coating	74	70	65	63	66
Distance in feet	**50**	**45**	**120**	**145**	**120**
Paving	80	81	72	71	72
Exceeds FTA's Threshold?		**No**	**No**	**No**	**No**

Source: FHWA's RCNM software. Distance measurements were taken using Google Earth (2024) from the acoustical center of the project site.
dBA L_{eq} = Energy-Average (L_{eq}) Sound Levels.

Construction of the proposed project would be required to comply with the hours restriction set forth under Municipal Code Section 4-6.203 (f). Furthermore, future development on the project would comply with applicable policies within the General Plan and Walnut Creek Municipal Code. Therefore, impacts would be less than significant, and no mitigation measures would be necessary.

Mobile Noise

A project will normally have a significant effect on the environment related to traffic noise if it substantially increases the ambient noise levels for adjoining areas. Most people can detect changes in sound levels of approximately 3 dBA under normal, quiet conditions, and changes of 1 to 3 dBA under quiet, controlled conditions. Changes of less than 1 dBA are usually indiscernible. A change of 5 dBA is readily discernible to most people in an outdoor environment. Noise levels above 65 dBA CNEL are normally unacceptable at sensitive receptor locations such as residences, and noise environments in these areas would be considered degraded. Based on this, a significant impact would be the result if the following project traffic noise increases occur relative to the existing noise environment:

- 1.5 dBA in ambient noise environments of 65 dBA CNEL and higher
- 3 dBA in ambient noise environments of 60 to 64 dBA CNEL
- 5 dBA in ambient noise environments of less than 60 dBA CNEL

For this analysis, a significant traffic noise impact occurs when the thresholds above are exceeded under cumulative conditions (with project) and the contribution of the project to future traffic is calculated to be greater than 3 dBA CNEL, based on existing modeled traffic noise levels.

The rezone of the project site would introduce new traffic. Traffic volume data for the new trips associated with the project are provided by Fehr & Peers (2024). The proposed project is expected to increase daily trips

associated with the re-zone amendment. The data provided by the traffic engineer presents the street and locations with land use scenarios consisting of a restaurant, bank, general office, medical office, retail plaza, and residential uses. Traffic noise increases were modeled for segments of Tice Valley Boulevard, Boulevard Way, Olympic Boulevard, and Rossmoor Parkway. Table 9, *Project-Related Increases in Traffic Noise, dBA CNEL at 50 Feet*, shows traffic noise increases with the rezone of the project site, based on use type. Project area roadways would result in a traffic noise level increase between less than 1 dBA and 1 dBA over the existing traffic noise conditions. The project would not result in a 3 dBA increase over existing conditions. Therefore, impacts would be less than significant, and no mitigation measures would be necessary.

Table 9 Project-Related Increases in Traffic Noise, dBA CNEL at 50 Feet

Roadway	Segment		Traffic Noise Increase												
	From	To	Existing	With Restaurant	Increase	With Bank	Increase	With General Office	Increase	With Medical Office	Increase	With Retail Plaza	Increase	With Residential	Increase
<1<1Tice Valley	from the South	Rossmoor Pkwy	68	68	<1	68	<1	68	<1	68	<1	68	<1	68	<1
	Rossmoor Pkwy	Rolling Hills Dr	68	69	1	68	<1	68	<1	68	<1	68	<1	68	<1
	Rolling Hills Dr	Olympic Blvd	69	70	1	69	<1	69	<1	69	<1	69	<1	69	<1
Boulevard Way	Olympic Blvd	to the North	60	61	<1	60	<1	60	<1	60	<1	60	<1	60	<1
Olympic Boulevard	from the East	Tice Valley Blvd	67	68	1	67	<1	67	<1	67	<1	67	<1	67	<1
	Tice Valley Blvd	to the West	68	69	<1	68	<1	68	<1	68	<1	68	<1	68	<1
Rossmoor Parkway	Tice Valley Blvd	to the East	61	62	1	61	<1	61	<1	61	<1	61	<1	61	<1

Source: Traffic data provided by Fehr & Peers 2025. See Appendix D.

Operation Noise

Future development on the project site would be required to comply with applicable polices in the General Plan and Walnut Creek Municipal Code. Therefore, impacts would be less than significant.

b) Generate excessive groundborne vibration or groundborne noise levels?

Less than significant impact. Potential vibration impacts associated with development projects are usually related to the use of heavy construction equipment during the demolition phase of construction. Construction can generate varying degrees of ground vibration depending on the construction procedures and equipment. Construction equipment generates vibration that spreads through the ground and diminishes with distance from the source. The effect on buildings in the vicinity of the construction site varies depending on soil type, ground strata, and receptor-building construction. The effects from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibrations at moderate levels, to slight structural damage at the highest levels. Vibration from construction activities rarely reaches the levels that can damage structures.

Architectural Damage

Vibration amplitudes are usually described in terms of either the peak particle velocity (PPV) or the root mean square (RMS) velocity. PPV is the maximum instantaneous peak of the vibration signal and RMS is the square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage and RMS (measured in VdB) is typically more suitable for evaluating human response. Vibration can cause adverse effects on humans and, if vibration levels are high enough, it can cause architectural damage to buildings. For reference, a vibration level of 0.2 inches per second (in/sec) peak particle velocity (PPV) is used as construction vibration damage criteria for non-engineered timber and masonry buildings (which would conservatively apply to the surrounding structures) (FTA 2018). As previously mentioned, construction equipment is not known at the time of this analysis. Therefore, equipment used for similar rezoning purposes are referenced for the project. Table 10, *Typical Construction Equipment Vibration Levels*, shows the reference vibration levels for equipment typical of the project rezoning uses during demolition and construction activities. The nearest demolition and construction activity associated with redevelopment of the project site could occur 30 feet from the commercial building to the north along Rossmoor Parkway.

Table 10 Typical Construction Equipment Vibration Levels

Equipment	Reference PPV (in/sec) at 25 feet	Receptor to the North Along Rossmoor Parkway at 30 feet
Vibratory Roller	0.21	0.160
Hoe Ram	0.089	0.068
Large Bulldozer	0.089	0.068
Caisson Drilling	0.089	0.068
Loaded Trucks	0.076	0.058
Jackhammer	0.035	0.027
Small Bulldozer	0.003	0.002

FTA 2018. Transit Noise and Vibration Impact Assessment, PlaceWorks 2024.

As shown in Table 10, typical construction equipment, aside from vibratory rollers, produces vibration levels of less than 0.2 in/sec PPV at 25 feet. Assuming construction would occur along the project site boundary, the nearest structure to the proposed construction activities would be approximately 30 feet north along Rossmoor Parkway. Vibration levels attributable to a vibratory roller would attenuate to approximately 0.016 in/sec PPV at a distance of 30 feet. Construction vibration levels would not exceed the FTA threshold of 0.2 in/sec PPV at adjacent uses near the project site. Therefore, vibration impacts from construction would be less than significant.

Operational Activities

The operation of the rezoning for a restaurant, bank, retail plaza, general office, or medical office would not include any substantial long-term vibration sources. Thus, no significant vibration effects from operations sources would occur.

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?

No Impact. The nearest airport or airstrip to the project site associated with the project is the Buchanan Field Airport, approximately 7.7 miles to the north. At this distance, project implementation would not expose people residing or working in or around the project area to excessive levels. No impact would occur.

3.14 POPULATION AND HOUSING

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING. Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to population and housing associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to population and housing that could result from future potential development of the project site.

Would the project:

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less Than Significant Impact. The project involves an amendment of the general plan and zoning designations of the singular property. Multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development is permitted with the approval of a conditional use permit. As such, any future development on the project site would be consistent with the existing general plan allowance for multifamily residential uses with the approval of a conditional use permit. Additionally, any proposed multifamily residential uses would be subject to the height and FAR regulations which would limit the number of residential dwellings. Therefore, impacts would be less than significant.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The project site does not include residential uses. Therefore, project implementation would not displace housing or people. No impact would occur.

3.15 PUBLIC SERVICES

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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:				
a) Fire protection?			X	
b) Police protection?			X	
c) Schools?			X	
d) Parks?			X	
e) Other public facilities?			X	

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to public services associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to public services that could result from future potential development of the project site.

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:

a) Fire protection?

Less Than Significant Impact. The City of Walnut Creek is served by the Contra Costa County Fire Protection District (CCCFPD) and consists of four fire stations. Station 3, located at 1520 Rossmoor Parkway, is the nearest fire station and is approximately 560 feet south of the project site (CCCFPD 2024). Future development on the project site would be consistent with the proposed general plan/zoning legislative changes and be similar to the surrounding neighborhood area, and therefore would not result in an increase in calls for fire protection and emergency medical service, nor would it result in the need for new or expansion of fire facilities. Therefore, the proposed project would not result in impacts to fire protection. Impact would be less than significant.

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b) Police protection?

Less Than Significant Impact. The project site is served by the Walnut Creek Police Department (WCPD). The City has been divided into five sectors, and police beats within each sector provide police protection to the City. The project site is in Sector 1, Beat 11. The main WCPD station is located at 1666 North Main Street and is approximately 1.7 miles northeast of the project site (WCPD 2022).

Future development on the project site would be consistent with the proposed general plan/zoning legislative changes and be similar to the surrounding neighborhood area, and therefore would not result in an increase in calls for police protection, nor would it result in the need for new or expansion of existing police facilities. Therefore, impacts would be less than significant.

c) Schools?

Less Than Significant Impact. The project site is served by the Walnut Creek Elementary School District and the Acalanes Union High School District. The nearest elementary/middle school is Tice Creek School, approximately 0.80 miles northeast of the project site, and Las Lomas High School, approximately 1.20 miles northeast of the project site.

Multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development is permitted with the approval of a conditional use permit. As such, any future development proposed on the project site as a result of project implementation that includes multifamily residential uses would be consistent with the existing general plan allowance for multifamily residential uses with the approval of a conditional use permit. The Walnut Creek Elementary School District is responsible for meeting the educational needs of approximately 3,600 students at six elementary schools and one intermediate school; and the Acalanes Union High School District contains four high schools, one alternative school, and one adult education school. If multifamily residential uses would be implemented on the project site, they would not be of a size to generate significant increase in student population in the area such that it would result in adverse effects on current school facilities requirement renovation or expansion. Therefore, impacts would be less than significant.

d) Parks?

Less Than Significant Impact . The project site is served by the City of Walnut Creek's parks system. The nearest park to the project site is Tice Valley Park, located at 2055 Tice Valley Boulevard, and is approximately 388 feet south of the project site (WCAR 2024).

Multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development is permitted with the approval of a conditional use permit. If multifamily residential uses would be implemented on the project site, residents would be expected to utilize park facilities; however, given the relatively small size of the proposed project, the project would not increase demand such that renovation or

expansion of park facilities would be required. Therefore, the proposed project would not have an adverse impact on any parks or recreational facilities and would not require the need for new or expanded park facilities

e) Other public facilities?

Less Than Significant Impact . The proposed project would not result in significant impacts associated with the provision of other new or physically altered public facilities (e.g., libraries, hospitals, childcare, teen or senior centers). Physical impacts to public services are usually associated with population growth, which increase the demand for public services and facilities. Multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development is permitted with the approval of a conditional use permit. Given the relatively small size of the proposed project, projected new residents as a result of the proposed project would have a less-than-significant impact on these other public facilities.

3.16 RECREATION

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION.				
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?			X	
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?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated recreational impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses recreational impacts that could result from future potential development of the project site.

Would the project:

a) 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?

Less Than Significant Impact. The demand for recreational facilities, is determined by population growth. Multifamily residential uses would be permitted under the proposed PD zoning designation if at least 90 percent of the dwelling units are restricted units for low or very low-income households. Specifically, multifamily development is permitted with the approval of a conditional use permit. If multifamily residential uses would be implemented on the project site, residents would be expected to utilize recreational facilities; however, given the relatively small size of the proposed project, the project would not increase demand such that renovation or expansion of recreational facilities would be required. Therefore, impacts would be less than significant.

b) Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. The project does not involve the development of recreational facilities, and project implementation would not require construction of new or expanded recreational facilities, as substantiated in Section 3.16.a, above. Therefore, no impact would occur.

3.17 TRANSPORTATION

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION. Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			X	
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?		X		
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated transportation impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses transportation impacts that could result from future potential development of the project site.

The analysis in this section is based in part on the following study, which is in Appendix D of this Initial Study.

- *Transportation Impact Assessment Memorandum*, Fehr & Peers., May 2025

Would the project:

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant Impact. The proposed project would not create any inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards regarding pedestrian and bicycle facilities. Additionally, the proposed project would not preclude the construction of planned transit and roadway facilities as determined in the Transportation Assessment by Fehr and Peers (Appendix D). The proposed project would connect to the existing roadway, pedestrian, bicycle, and transit network surrounding the project site. Given the project site's connectivity with existing bicycle, pedestrian, and transit infrastructure, the proposed project would not conflict with the goals and polices. Therefore, impacts would be less than significant.

b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?

Less Than Significant Impact With Mitigation Incorporated. The proposed project would not include any physical impacts including development, construction, or demolition. The proposed project would consist of amending the existing general plan and zoning designations of the project site. As such, the project site

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would remain the same and would not undergo any changes. As described in Appendix D, the proposed project's potential VMT impacts were analyzed using six potential land use scenarios:

1. Restaurant (including a range of potential types)
2. General Office Building
3. Medical-Dental Office Building
4. Bank (Current Use)
5. Retail
6. Residential

The City of Walnut Creek has three types of screening that may be applied to effectively screen projects from project-level assessment. These screenings include:

- **Transit Priority Area Screening.** projects located within a Transit Priority Area may be presumed to have a less than significant impact absent substantial to the contrary.

- **Low VMT Area Screening.** residential and office projects located within a low VMT-generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary.

- **Project Type Screening.** projects meeting certain baseline criteria that were set based on the shift from LOS to VMT.

The project's six land use scenarios were assessed against the City's VMT screening criteria. Four of the six land use scenarios were screened out of the detailed VMT analysis and are presumed to have a less than significant impact related to VMT. The four land use scenarios that were screened out include the restaurant use, bank use, retail use, and residential use. The two other land use scenarios (General Office Building and Medical-Dental Office Building) were not found to meet any of the City's VMT screening criteria.

- **Restaurant Alternative** – The restaurant alternative consists of only local serving uses. Projects that consist of Local-Serving uses can generally be presumed to have a less-than-significant impact absent substantial evidence to the contrary, since these types of projects will primarily draw users and customers from a relatively small geographic area that will lead to short-distance trips and trips that are linked to other destinations. Local-serving retail projects less than 30,000 square feet can be presumed to cause a less-than-significant VMT impact.

- **Bank Alternative** – The bank alternative meets the local serving use screening criteria.

- **Retail Alternative** – The retail alternative meets the local serving use screening criteria.

- **Residential Alternative –** The residential alternative meets both the small project and affordable housing screening criteria. Small projects can be presumed to cause a less-than-significant VMT impact. "Small Projects" are defined as having 10,000 square feet or less of non-residential space or 20 residential units or less, or otherwise generating less than 836 VMT per day. Projects that provide affordable housing can be presumed to have a less-than significant impact absent substantial evidence to the contrary. This exemption

would apply if the project provided 100% affordable housing. As this alternative includes 13 affordable homes, it meets both criteria.

The two other alternatives (General Office Building and Medical Dental Office Building) were not found to meet any of the city's VMT screening criteria and thus a detailed VMT analysis was performed using the CCTA travel demand model. Tables 11, *Baseline Scenario CEQA VMT Analysis*, and Table 12, *Cumulative Scenario CEQA VMT Analysis*, present a summary of the project's VMT calculations for home-based work commute VMT per employee.

It should be noted that if a small amount of general office building or medical dental office building space were proposed, it could fall below the city's small project screening criteria's threshold. Specifically, a general office building of 10,100 square feet or smaller or a medical dental office building of 3,060 square feet or smaller would generate less than 110 daily trips and satisfy the screening criteria (and be presumed to have a less than significant impact pertaining to VMT). The trip distribution characteristics of each of the potential uses were found to be similar within the CCTA model's forecasts, thus the same distribution pattern was used for each of the alternatives.

Table 11 Baseline Scenario CEQA VMT Analysis

Alternative		Project Estimate (VMT/Employee)	Regional Threshold (VMT/Employee)	CEQA VMT Threshold Value[1]	Impact?
Baseline Plus Project	General Office	15.4	15.4	13.1	Yes
	Medical Office	15.4			

Sources: Contra Costa County Travel Demand Model, Fehr & Peers, 2025.
[1] The VMT threshold represents 15 percent below the 9-County MTC regional average Home-Work trip VMT per employee.

Table 12 Cumulative Scenario CEQA VMT Analysis

Alternative		Project Estimate (VMT/Employee)	Regional Threshold (VMT/Employee)	CEQA VMT Threshold Value[1]	Impact?
Cumulative Plus Project	General Office	16.1	15.8	13.4	Yes
	Medical Office	16.1			

Sources: Contra Costa County Travel Demand Model, Fehr & Peers, 2025.
[1] The VMT threshold represents 15 percent below the 9-County MTC regional average Home-Work trip VMT per employee.

VMT thresholds of significance for employment-generating projects is considered less-than-significant if its home-work trip VMT per worker is at least 15 percent below the 9-County Metropolitan Transportation Commission's (MTC) regional average home-work trip VMT per Worker. This equates to 13.1 daily home-work VMT per employee.

Based on the established significance threshold for VMT, the General Office Building and Medical-Dental Office Building scenarios are expected to result in a significant impact. The project's daily home-work VMT

per employee is forecast to be 15.4. This is 17.5 percent above the relevant standard of significance which is 85 percent of the regional average (13.1 daily home-work VMT per employee). The results of the VMT analysis indicate the General Office Building and Medical Dental Office Building alternatives would have a home-based VMT per worker greater than 85 percent of the regionwide average.

Although development at the project site is not currently proposed, future development plans may consider General Office Building or Medical Dental Office Building development and would be required to implement necessary mitigation measures. Mitigation Measure T-1 would include the preparation of a Travel Demand Management (TDM) Plan if the General Office Building or Medical Dental Office Building alternatives were proposed or developed in the future. Based on the analysis, implementation of a robust TDM program, with enforcement and monitoring a reduction in VMT at the site may potentially achieve the required 17.5 percent. Therefore, impacts would be less than significant with mitigation incorporated.

Mitigation Measure(s)

T-1 If either the General Office Building (greater than 10,100 square feet in size) or Medical Dental Office Building (greater than 3,060 square feet in size) alternatives are pursued, a detailed VMT assessment shall be performed for the specific project. The project applicant/sponsor shall prepare and implement a TDM Plan as part of future development if the General Office Building or Medical Dental Office Building alternatives are developed, which shall identify trip reduction strategies as well as mechanisms for funding and overseeing the delivery of trip reduction programs and strategies. Operational TDM strategies provide ongoing incentives and support for the use of non-auto transportation modes. TDM strategies are most effective for people that commute to and from a site on a regular basis, especially during weekday peak commute periods when transit service peaks and runs most frequently. Thus, the recommended strategies are generally targeted at site employees to reduce single-occupancy vehicular travel. Trip reduction strategies applicable to the proposed project may include, but are not limited to, the following:

a. Implement Alternative Work Schedules
b. Provide New Hire Packets on Transportation Options
c. Implement Subsidized or Discounted Transit Program
d. Provide Carpooling Programs
e. Implement Car-Sharing Program
f. Provide a Transit Riders Guide
g. Provide an Online TDM Information Center
h. Implement Commute Trip Reduction Marketing
i. Increase Bicycle and Pedestrian Facilities/Amenities
j. Free Trial Rides on Transit Services
k. Provide End-of-Trip Bicycle Facilities
l. Pre-tax Commuter Benefits
m. Bicycle Facility Monitoring and Supply
n. Provide a Guaranteed Ride Home Service

o. Implement Shuttle Services
p. Limit and Price Parking

To achieve the required reduction in VMT associated with the General Office Building (greater than 10,100 square feet in size) and Medical Dental Office Building (greater than 3,060 square feet in size) alternatives, an aggressive and robust TDM plan is required. The plan will need to include the limiting and unbundling of on-site parking supply along with above market rate pricing of the available workplace parking.

In addition, under the General Office Building and Medical Office Building alternatives, the applicant would need to fund and initiate a shuttle service from the site to the Walnut Creek BART station. The shuttle service should provide peak period headways of 30 minutes or lower.

TDM Effectiveness: The TDM Plan shall indicate the estimated Vehicle Trip Reduction (VTR) for each strategy proposed based on published research or guidelines. For TDM measures containing ongoing operational Vehicle Trip Reduction strategies, the plan shall include an ongoing monitoring and enforcement program to ensure the plan is implemented on an ongoing basis during project operation. For VTR strategies involving physical improvements, the project shall obtain the necessary permits/ approvals from the City and install the improvements prior to the completion of the project.

TDM Plan Monitoring: The TDM Plan shall require regular periodic evaluation of the program to determine if the program goals in reducing automobile travel are satisfied and to assess the effectiveness of the various strategies implemented. Site management shall conduct annual travel surveys and driveway counts to monitor the amount of automobile travel generated by the project. The goal of the TDM Plan and programs shall be to reduce the project's daily VMT per worker from 15.4 to 13.1. Based on the results of the surveys, the TDM programs shall be increased if these requirements are not met. Annual travel surveys and driveway counts (TDM program monitoring) shall be conducted for the first five years following project occupancy. The results of the monitoring program and travel surveys shall be submitted to the City for review and approval. If the program VMT reduction goals are met in the first three years, annual monitoring and surveys shall be suspended. If the program's VMT reduction goals are not satisfied, site management shall prepare and submit for City approval a Corrective Action Plan. The Corrective Action Plan shall detail the additional TDM measures to be implemented on site and their expected travel/mode split reduction. Additional annual travel surveys and driveway counts shall be conducted for the two years following the implementation of the Corrective Action Plan to determine if the program's VMT reduction goals are satisfied.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. Future development on the project site would involve typical construction-related activities, including lane narrowing and/or lane closures and sidewalk closures. In the event of any type of street closure, clear signage (e.g., closure and detour signs) would be provided to ensure vehicles, pedestrians, and bicyclists are able to adequately reach their intended destinations safely.

3. Environmental Analysis

Therefore, project implementation 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). Therefore, impacts would be less than significant.

d) Result in inadequate emergency access?

No Impact. The project site has been determined to have adequate emergency vehicle access which would not change as a result of the proposed project (Appendix D). All existing on- and off-site emergency access features and facilities that serve the properties and their surroundings would remain in their existing condition. Therefore, project implementation would not result in inadequate emergency access, and no impact would occur.

3.18 TRIBAL CULTURAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES.				
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code § 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:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or			X	
ii) 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 § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		X		

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to tribal cultural impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to tribal cultural resources that could result from future potential development of the project site.

The analysis in this section is based in part on the tribal correspondence in Appendix E of this Initial Study.

Would the project:

a) 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:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or

Less Than Significant Impact. The project site is in an urbanized area of the City of Walnut Creek. The project site is disturbed and has been developed with a one-story, 5,274 square foot building, a 32-space parking lot, including two ADA parking spaces, landscaping, and walkways. The proposed project consists of amending the existing general plan and zoning designations of the project site and would not involve any physical changes,

construction, or development. Amending the general plan and zoning designations would include changing it from Office to General Retail and from PD – 1140 (Bank Use) to a new PD zoning.

The project site does not meet any of the historic resource criteria and does not meet the definition of a historic resource pursuant to CEQA. Implementation of the project would not result in any substantial adverse change in a tribal cultural resource defined pursuant to PRC Section 5024.1 or PRC Section 5020.1(k). Therefore, impacts would be less than significant.

ii) 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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less Than Significant Impact With Mitigation Incorporated. Assembly Bill 52 (AB 52) requires meaningful consultation with California Native American tribes on potential impacts to tribal cultural resources, as defined in PRC Section 21074. Tribal cultural resources are sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either eligible or listed in the California Register of Historical Resources or local register of historical resources.

As specified in AB 52, lead agencies must provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a project if the tribe has submitted a written request to be notified. The tribe must respond to the lead agency within 30 days of receipt of the notification if it wishes to engage in consultation on the project, and the lead agency must begin the consultation process within 30 days of receiving the request for consultation. Consultation concludes when either 1) the parties agree to mitigation measures to avoid a significant effect on a tribal cultural resource, or 2) a party, acting in good faith and after reasonable effort, concludes mutual agreement cannot be reached.

The City invited California Native American tribes that are traditionally and culturally affiliated with the project area to consult on the proposed project via mail and email. The following 11 tribes were contacted on August 8, 2024, consistent with Assembly Bill (AB) 52

- Amah Mutsun Tribal Band of Mission San Juan Bautista
- Wilton Rancheria
- Confederated Villages of Lisjan Nation
- Guidiville Rancheria of California
- Indian Canyon Mutsun Band of Costanoan
- Muwekma Ohlone Indian Tribe of the SF Bay Area
- Nashville Enterprise Miwok-Maidu-Nishinam Tribe
- North Valley Yokuts Tribe
- The Ohlone Indian Tribe

- Wilton Rancheria
- Wuksachi Indian Tribe/Eshom Valley Band

A Native American Sacred Lands file search was conducted in July 2024 which positively identified cultural resources within or near the project site. Coordination with the Wilton Rancheria was recommended for further identification of the positive identification at the site, per the response from the NAHC (see Appendix E). Since the project site has been previously developed, the utilities trenching for the proposed project would not occur in native soils that may contain tribal cultural resources. Although the likelihood of discovering tribal cultural resources is minimal, the potential for discovering previously unidentified subsurface tribal cultural resources exists. Therefore, mitigation measures CUL-1, CUL-2, and CUL-3 would be incorporated to reduce impacts on tribal cultural resources to a less than significant level.

3.19 UTILITIES AND SERVICE SYSTEMS

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS. Would the project:				
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?				X
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c) Result in a determination by the waste water 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?			X	
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?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated impacts to utilities and service systems associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses impacts to utilities and services systems that could result from future potential development of the project site.

Would the project:

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?

No Impact. The project involves an amendment of the general plan and zoning designations of a singular property associated with the project. No physical changes, construction or development are proposed as part of the project.

Future construction activities could cause a slight increase in water use (mainly for dust control), but this would be temporary and not result in a substantial increase in water demand. Operation of any new establishments on the project site would be similar to that of existing conditions and similar water-demanding uses are anticipated. Therefore, project implementation would not require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities. No impact would occur.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less Than Significant Impact. A significant impact would occur if the proposed project would increase water consumption to such a degree that the capacity of facilities currently serving the project site would be exceeded. The project involves an amendment of the general plan and zoning designations of a singular property associated with the project. No physical changes, construction or development are proposed for the property and the existing uses and conditions of the property would remain the same and not undergo any changes. Future proposed development on the project site could increase water use during construction activities; which would be temporary. Any future development on the project site would be consistent with all local and regional water management plans. Thus, there would be sufficient water supplies to serve the project site for the foreseeable future, including dry and multiple dry years. Therefore, impacts would be less than significant.

c) Result in a determination by the waste water 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?

Less Than Significant Impact. The project involves an amendment of the general plan and zoning designations of a singular property associated with the project. No physical changes, construction or development are proposed for the property and the existing uses and conditions of the property would remain the same and not undergo any changes. Future proposed development on the project site is not expected to generate any population growth, and therefore would not generate new demand for wastewater treatment. No impact would occur.

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?

Less Than Significant Impact. The project involves an amendment of the general plan and zoning designations of a singular property associated with the project. No physical changes, construction or development are proposed for the property and the existing uses and conditions of the property would remain the same and not undergo any changes.

Future proposed development on the project site could generate construction and demolition (C&D) waste during construction, which would need to be disposed of at a facility that accepts C&D waste. Future proposed development would comply with all applicable C&D waste recycling requirements and would not cause a substantial increase in solid waste generation because the additional waste stream generated by usage of any future business on the project site would not be enough to exceed capacity of local infrastructure or impede achievement of waste reduction goals. In accordance with City requirements, trash receptacles for landfill, compost, and recycled materials would be provided. As the proposed uses on the project site would not differ substantially from existing conditions, the anticipated increase in solid waste generation would be minimal. The impact would be less than significant.

3. Environmental Analysis

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less Than Significant Impact. The project involves an amendment of the general plan and zoning designations of a singular property associated with the project. No physical changes, construction or development are proposed for the property and the existing uses and conditions of the property would remain the same and not undergo any changes. Future proposed development, such as construction on the project site, could increase water use during construction activities; however, this is expected to be temporary and not result in a substantial increase in water demand. Additionally, any future proposed development on the project site would be consistent with all State and local regulations, as ensured through the City's project permitting process. Therefore, impacts would be less than significant.

3.20 WILDFIRE

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
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?				X
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?				X
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?				X

The project would not directly result in the construction of any development or infrastructure. This section would typically discuss anticipated wildfire impacts associated with construction and operation of a project; however, because the proposed project constitutes the rezoning of the project site and does not include a specific development proposal, this environmental analysis qualitatively discusses wildfire impacts that could result from future potential development of the project site.

Wildland fire protection in California is the responsibility of either the local government, state, or the federal government. State Responsibility Areas (SRA) are the areas in the state where the State of California has the primary financial responsibility for the prevention and suppression of wildland fires. The SRA forms one large area over 31 million acres to which the California Department of Forestry and Fire Protection (CAL FIRE) provides a basic level of wildland fire prevention and protection services.

Local responsibility areas (LRA) include incorporated cities, cultivated agriculture lands, and portions of the desert. LRA fire protection is typically provided by city fire departments, fire protection districts, counties, and by CAL FIRE under contract to local government. CAL FIRE uses an extension of the SRA Fire Hazard Severity Zone model as the basis for evaluating fire hazard in LRAs. The LRA hazard rating reflects flame and ember intrusion from adjacent wildlands and from flammable vegetation in the urban area. The Los Angeles County Fire Department currently provides fire protection and emergency medical services to the City.

Fire Hazard Severity Zones (FHSZ) are identified by Moderate, High and Very High in an SRA, and Very High in an LRA.

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

3. Environmental Analysis

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The City of Walnut Creek Emergency Management Plan (EMP) is used as a reference and guidance document for disaster response and recovery operations in the City. The EMP outlines the emergency organization structure, assigns roles and responsibilities, establishes policies and procedures, and facilitates coordination between the City of Walnut Creek and other member organizations within the Contra Costa Operational Area for both emergency response and recovery efforts (EMP 2020).

The proposed project would not include any development or changes to the operation of the current use. Therefore, the project would not impair an adopted emergency response plan or emergency evacuation plan such as the EMP. No impact would occur.

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?

No Impact. The proposed project would not include any development of the project site or changes to the operation of the current use. The project would consist of amending the existing general plan and zoning designations. Therefore, the project would not expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. No impact would occur.

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?

No Impact. The project site is located in an urbanized area of Walnut Creek and is not in an SRA or a FHSZ in an LRA (CAL Fire 2025). The project would consist of amending the existing general plan and zoning designations of the project site and would not involve any physical changes, construction, or development. Amending the general plan and zoning designations would include changing it from Office to General Retail and from PD – 1140 (Bank Use) to a new PD zoning.

Therefore, project implementation would not require the installation or maintenance of associated infrastructure that may exacerbate fire risk. No impact would occur.

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?

No Impact. The project site is not within an SRA or a FHSZ in an LRA and is in an urbanized area of Walnut Creek (CAL Fire 204). The project is proposing to amend the existing general plan and zoning designations of the project site and would not involve any physical changes, construction, or development. Therefore, the project would not 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. No impact would occur.

3.21 MANDATORY FINDINGS OF SIGNIFICANCE

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE.				
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?		X		
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.)			X	
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

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?

Less Than Significant With Mitigation Incorporated. The property and surrounding areas are in highly urbanized areas of the City. The area is primarily dominated by a mix of commercial, open space/ recreation and office uses. As demonstrated in Section 3.4, *Biological Resources*, no impact on biological resources would occur as a result of project implementation. Additionally, as demonstrated in Section 3.5, *Cultural Resources*, no historic resources were identified on any of the properties, and therefore the project does not have the potential to eliminate important examples of California history or prehistory. As also demonstrated in Sections 3.5, no impact to archeological resources would occur. Impacts identified in Sections 3.3, *Air Quality*, 3.5, *Cultural Resources*, 3.7, *Geology and Soils*, 3.8, *Greenhouse Gas Emissions*, 3.17, *Transportation*, and 3.18, *Tribal Cultural Resources*, would all reduce impacts to less than significant through implementation of mitigation measures

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.)

Less Than Significant Impact. The issues relevant to the subject property is confined to the immediate property and its surrounding area. Additionally, the property is in a highly urbanized area of the city where

supporting utility infrastructure (e.g., water, wastewater, and drainage) and services (e.g., solid waste collection, police and fire protection) currently exist. As substantiated in this Initial Study, project implementation would not require the construction of new or expansion of existing utility infrastructure or services. Furthermore, impacts related to other topical areas such as air quality, GHG, hydrology and water quality, and traffic would not be cumulatively considerable with project implementation in conjunction with other cumulative projects.

In consideration of the preceding factors, the project's contribution to cumulative impacts would be rendered not significant; therefore, project impacts would not be cumulatively considerable.

c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant Impact. The project's potential to result in environmental effects that could adversely affect human beings, either directly or indirectly, has been discussed throughout this Initial Study. As discussed in the respective topical sections of this Initial Study, implementation of the project would not result in significant impacts, either directly or indirectly, in the areas of agriculture and forestry Resources, biological resources, geology and soils, hazards and hazardous materials, land use and planning, population and housing, recreation, or utilities and service systems, which may cause adverse effects on human beings.

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Appendix A Air Quality and Greenhouse Gas Emissions Data

Appendix

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CalEEMod Inputs - Walnut Creek Rezone Project

Name: Walnut Creek Rezone Project
Project Number: COWC-09
Project Location: 1200 Rossmoor Parkway, Walnut Creek
County: Contra Costa County
Climate Zone: 1
Land Use Setting: Suburban
Operational Year: 2024
Utility Company: PG&E
Air Basin: SFBAAB
Air District: BAAQMD

CalEEMod Land Use Inputs

	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscaping Square Feet
Recreational	High Turnover (Sit Down Restaurant)	29.45	1000 sqft	1.01	29,450	14,725
Parking	Parking lot	14.73	1000 sqft	0.34	14,725	0
				1.35		

Notes

[1] High Turnover (Sit Down Restaurant) represents the entire restaurant mix scenario from the Fehr & Peers Memo: 1200 Rossmoor Parkway – Transportation Impact Analysis Assumptions. The building(s) are assumed to be single story.

[2] The balance of the project site after accounting for the building (29,450 square feet) was assumed to be 50% landscaping and 50% parking.

Vehicle Trips

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip Rate
High Turnover (Sit Down Restaurant)	5,438	**184.65**	5,438	**184.65**	5,438	**184.65**

Source: Fehr & Peers Memo: 1200 Rossmoor Parkway – Transportation Impact Analysis Assumptions

Walnut Creek Rezone Project Detailed Report

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4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Walnut Creek Rezone Project
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	43.0
Location	37.876982784977116, -122.07128849511804
County	Contra Costa
City	Walnut Creek
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1389
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.25

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
High Turnover (Sit Down Restaurant)	29.4	1000sqft	0.68	29,450	14,725	0.00	—	—

Parking Lot	14.7	1000sqft	0.34	14,730	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	27.6	25.3	23.0	235	0.54	0.46	45.9	46.4	0.44	11.6	12.1	206	55,895	56,101	23.0	2.09	271	57,569
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.9	23.5	26.9	210	0.50	0.46	45.9	46.4	0.43	11.6	12.1	206	52,156	52,362	23.2	2.32	51.9	53,685
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.8	23.5	25.3	205	0.50	0.46	44.6	45.1	0.43	11.3	11.8	206	52,592	52,798	23.1	2.22	143	54,181
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.71	4.28	4.61	37.4	0.09	0.08	8.15	8.23	0.08	2.07	2.15	34.1	8,707	8,741	3.82	0.37	23.7	8,970

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	26.4	24.2	21.9	232	0.53	0.38	45.9	46.3	0.35	11.6	12.0	—	53,827	53,827	2.08	2.03	225	54,709
Area	1.06	1.03	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.90	7.90	< 0.005	< 0.005	—	7.93
Energy	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	2,027	2,027	0.23	0.02	—	2,038
Water	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Total	27.6	25.3	23.0	235	0.54	0.46	45.9	46.4	0.44	11.6	12.1	206	55,895	56,101	23.0	2.09	271	57,569
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.1	22.8	25.8	209	0.49	0.38	45.9	46.3	0.35	11.6	12.0	—	50,096	50,096	2.35	2.26	5.82	50,833
Area	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	2,027	2,027	0.23	0.02	—	2,038
Water	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Total	25.9	23.5	26.9	210	0.50	0.46	45.9	46.4	0.43	11.6	12.1	206	52,156	52,362	23.2	2.32	51.9	53,685
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.8	22.5	24.2	203	0.50	0.38	44.6	45.0	0.35	11.3	11.7	—	50,528	50,528	2.23	2.16	97.0	51,325
Area	0.89	0.87	0.01	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.90	3.90	< 0.005	< 0.005	—	3.91
Energy	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	2,027	2,027	0.23	0.02	—	2,038
Water	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Total	25.8	23.5	25.3	205	0.50	0.46	44.6	45.1	0.43	11.3	11.8	206	52,592	52,798	23.1	2.22	143	54,181

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.53	4.11	4.42	37.1	0.09	0.07	8.15	8.22	0.06	2.07	2.13	—	8,366	8,366	0.37	0.36	16.1	8,497
Area	0.16	0.16	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.65
Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	336	336	0.04	< 0.005	—	337
Water	—	—	—	—	—	—	—	—	—	—	—	2.84	5.44	8.27	0.29	0.01	—	17.7
Waste	—	—	—	—	—	—	—	—	—	—	—	31.3	0.00	31.3	3.13	0.00	—	109
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.62	7.62
Total	4.71	4.28	4.61	37.4	0.09	0.08	8.15	8.23	0.08	2.07	2.15	34.1	8,707	8,741	3.82	0.37	23.7	8,970

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	26.4	24.2	21.9	232	0.53	0.38	45.9	46.3	0.35	11.6	12.0	—	53,827	53,827	2.08	2.03	225	54,709
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	26.4	24.2	21.9	232	0.53	0.38	45.9	46.3	0.35	11.6	12.0	—	53,827	53,827	2.08	2.03	225	54,709
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

High Turnover (Sit Down Restaurant)	25.1	22.8	25.8	209	0.49	0.38	45.9	46.3	0.35	11.6	12.0	—	50,096	50,096	2.35	2.26	5.82	50,833
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	25.1	22.8	25.8	209	0.49	0.38	45.9	46.3	0.35	11.6	12.0	—	50,096	50,096	2.35	2.26	5.82	50,833
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	4.53	4.11	4.42	37.1	0.09	0.07	8.15	8.22	0.06	2.07	2.13	—	8,366	8,366	0.37	0.36	16.1	8,497
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	4.53	4.11	4.42	37.1	0.09	0.07	8.15	8.22	0.06	2.07	2.13	—	8,366	8,366	0.37	0.36	16.1	8,497

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	747	747	0.12	0.01	—	754
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.21	7.21	< 0.005	< 0.005	—	7.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	754	754	0.12	0.01	—	762

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	747	747	0.12	0.01	—	754
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.21	7.21	< 0.005	< 0.005	—	7.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	754	754	0.12	0.01	—	762
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	124	124	0.02	< 0.005	—	125
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.19	1.19	< 0.005	< 0.005	—	1.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	1,273	1,273	0.11	< 0.005	—	1,277
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	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	1,273	1,273	0.11	< 0.005	—	1,277

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	1,273	1,273	0.11	< 0.005	—	1,277
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	0.12	0.06	1.07	0.90	0.01	0.08	—	0.08	0.08	—	0.08	—	1,273	1,273	0.11	< 0.005	—	1,277
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	211	211	0.02	< 0.005	—	211
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	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	211	211	0.02	< 0.005	—	211

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	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.34	0.32	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.90	7.90	< 0.005	< 0.005	—	7.93
Total	1.06	1.03	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.90	7.90	< 0.005	< 0.005	—	7.93
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.03	0.03	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.65
Total	0.16	0.16	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.65	0.65	< 0.005	< 0.005	—	0.65

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.1	32.8	50.0	1.76	0.04	—	107
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	2.84	5.44	8.27	0.29	0.01	—	17.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.84	5.44	8.27	0.29	0.01	—	17.7

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	189	0.00	189	18.9	0.00	—	661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	31.3	0.00	31.3	3.13	0.00	—	109
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	31.3	0.00	31.3	3.13	0.00	—	109

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.0	46.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.62	7.62
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.62	7.62

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

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
High Turnover (Sit Down Restaurant)	5,438	5,438	5,438	1,984,849	65,010	65,010	65,010	23,728,596
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

5.10.2. 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	44,175	14,725	884

5.10.3. Landscape Equipment

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)
High Turnover (Sit Down Restaurant)	1,336,406	204	0.0330	0.0040	3,973,421
Parking Lot	12,903	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)
High Turnover (Sit Down Restaurant)	8,939,068	175,745
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
High Turnover (Sit Down Restaurant)	350	—
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
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	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

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	17.0	annual days of extreme heat
Extreme Precipitation	9.80	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	17.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	14.9
AQ-PM	30.6
AQ-DPM	67.6
Drinking Water	4.22
Lead Risk Housing	39.4
Pesticides	0.00
Toxic Releases	53.7
Traffic	94.2
Effect Indicators	—
CleanUp Sites	29.4
Groundwater	78.1
Haz Waste Facilities/Generators	85.3
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	10.1
Cardio-vascular	6.02
Low Birth Weights	32.8
Socioeconomic Factor Indicators	—
Education	3.11
Housing	13.9
Linguistic	0.00
Poverty	4.57

Unemployment	28.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	97.70306685
Employed	71.97484922
Median HI	94.81586039
Education	—
Bachelor's or higher	93.6609778
High school enrollment	100
Preschool enrollment	79.22494546
Transportation	—
Auto Access	34.87745413
Active commuting	83.13871423
Social	—
2-parent households	97.26677788
Voting	93.68664186
Neighborhood	—
Alcohol availability	65.18670602
Park access	33.11946619
Retail density	31.83626331
Supermarket access	49.15950212
Tree canopy	97.15128962
Housing	—
Homeownership	80.14885153

Housing habitability	77.18465289
Low-inc homeowner severe housing cost burden	64.82740921
Low-inc renter severe housing cost burden	80.94443732
Uncrowded housing	79.21211344
Health Outcomes	—
Insured adults	95.534454
Arthritis	0.0
Asthma ER Admissions	79.3
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	75.6
Cognitively Disabled	74.6
Physically Disabled	50.9
Heart Attack ER Admissions	85.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0

No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	19.0
Elderly	7.3
English Speaking	84.9
Foreign-born	21.8
Outdoor Workers	82.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	89.6
Traffic Density	92.4
Traffic Access	48.7
Other Indices	—
Hardship	12.8
Other Decision Support	—
2016 Voting	75.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	6.00
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Fehr & Peers 1200 Rossmoor Parkway - Transportation Impact Analysis Assumptions Memorandum

Appendix B Phase I Environmental Site Assessment

Appendix

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Rossmoor Branch

1200 Rossmoor Parkway

Walnut Creek, CA 94595

Property ID: CA4-174

Prepared for:

JLL
525 N. Tryon Street
Charlotte, North Carolina 28255

On Behalf of:
Bank of America, N.A.
525 North Tryon Street
NC1-023-09-01
Charlotte, North Carolina 28255

12 April 2019

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EXECUTIVE SUMMARY OF FINDINGS

Wood Environment & Infrastructure Solutions, Inc. (Wood) was retained by JLL on behalf of Bank of America to perform a Phase I Environmental Site Assessment (ESA) for an approximate 1.354-acre lot located at 1200 Rossmoor Parkway in Walnut Creek, California (the site). Wood performed this Phase I ESA in conformance with the scope and limitations of ASTM International (ASTM) Standard E 1527-13.

The purpose of this Phase I ESA was to identify known environmental conditions or concerns associated with the site, which include any recognized environmental conditions (RECs) associated with the site as defined by the ASTM Standard. RECs do not include *de minimis* conditions that generally do not present a material risk of harm 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. The results of our Phase I ESA are summarized below.

Site History

The site's earliest use appears to be agricultural-pasture land associated with the parent parcel from at least 1939 to 1968. The site appears to have transitioned to a commercial lot from at least 1968 to 1974. The first visible development of the site occurred in at least 1974 with commercial building and asphalt parking on the parent parcel.

Adjacent properties along the Rossmoor Parkway corridor appear to have a similar history of a agricultural-pasture land to commercial use-shift that occurred mid-1960s. Wood's review of the parent parcel's ownership records indicates the property has been owned by Bank of America National Trust and Savings Association from at least August 1972.

Site Reconnaissance

At the time of the site reconnaissance, the site was comprised of an approximate 1.354-acre parcel with a bank and associated parking area addressed at 1200 Rossmoor Pkwy., Walnut Creek, California. The area surrounding the site is characterized predominantly by commercial and retail properties.

Environmental Records

Review of the federal, state, tribal, and proprietary records summary provided by Environmental Data Resources, Inc. (EDR), a third-party provider of environmental and land use records, indicates several listings of potential environmental concern are located within the respective ASTM standard search distances for each category. A further review of the U.S. Environmental Protection Agency (EPA) Envirofacts database identified EPA-regulated facilities in the vicinity of the site.

Wood has screened the identified properties for significance with respect to their potential impact on the site based on reasonably ascertainable information obtained from the records review, site reconnaissance, and interviews. Based on the information reviewed, recognized environmental conditions (RECs) were identified from off-site sources from the environmental records review.

- The EDR report indicates that Chevron Station No. 92709 (Chevron Station #92709, 92709, AL Steeles Chevron Station) is listed on the RCRA-SQG, FINDS, ECHO, HAZNET, LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF, HIST CORTESE, CONTRA COSTA CO., SITE LUST, HIST UST, EDR HIST AUTO, UST databases. This facility is located approximately 298 feet west and is potentially topographically upgradient from the site. The facility is listed as a RCRA Small Quantity Generator for numerous wastes, including but not limited to petroleum and chlorinated hydrocarbons and has been in operation since at the late 1960s. The facility is also listed on the UST and LUST databases with a site history of impacted soil, groundwater, and soil vapor. The facility operates three – 10,000-gallon unleaded gasoline USTs and formerly operated a 1,000-gallon used oil UST until its removal in 1998. Confirmation soil sampling following removal of the 1,000-gallon used oil UST confirmed PCE soil impact and lead to the installation of a vapor recovery system. A 1,2-DCA groundwater plume was also noted below the service station. Potential contaminates of concern noted for the site include dichloroethane (DCA), tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, and benzene. Numerous UST/RCRA violations are listed for facility including, but not limited to: secondary containment testing, initial/annual employee training, container use and management, line leak detector (LLD) testing, and recording/reporting of emergency response plans and procedures. Based on the regulatory information reviewed, assumed

groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- The EDR report indicates that Leos Rossmoor Uni-Cal (Union Oil SS6098, UNOCAL Service Station #6098) is listed on the EDR HIST AUTO, HIST UST, LUST, SWEEPS UST, CAL FID UST, HIST CORTESE, CONTRA COSTA Co. SITE LIST, AND CERS databases. This facility is located approximately 482 feet west-southwest and is potentially topographically upgradient from the site. The facility is listed on the HIST UST and LUST databases with a site history of soil and groundwater investigations and remedial activities from 1987 until the case was closed in 1996. Potential contaminates of concern noted for the site include gasoline. Based on the site address, the current business operating at this address is a Rite Aid and no longer a service station. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- The EDR report indicates that Sparklizing Cleaners is listed on the CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE, DRYCLEANERS, EMI, CONTRA COSTA Co. SITE LIST, CERS, RCRA-SQG, FINDS, EHO, and HAZNET databases. This facility is located approximately 713 feet west and is potentially topographically upgradient from the site. The facility is listed on the CPS-SLIC database with Assessment and Interim Remedial Action currently open for potential indoor air, groundwater, soil, and soil vapor impacts. Potential contaminates of concern noted for the site include tetrachloroethylene (PCE) and a sub-slab depressurization (SSD) system has been proposed for use to address vapor intrusion for the site. Compliance evaluation violations were noted in 2016 and 2017. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

Conclusions

No significant data gaps were identified that affected Wood's ability to identify RECs for the site. Wood has performed this Phase I ESA in conformance with the scope and limitations of ASTM Standard E 1527-13. This assessment has revealed three RECs from off-site sources: Chevron Station No. 92709, Leos Rossmoor Uni-Cal, and Sparklizing Cleaners.

Limitations

This Executive Summary is provided as a summary only and should be used only in conjunction with a full review of the complete Phase I ESA report. Wood completed this work under the Master Agreement between Bank of America data July 1, 2015 and Novated to CBRE on September 1, 2015, under which Jones Lang LaSalle Americas, Inc. is appointed as a Cooperating Vendor and is afforded benefits to purchase goods and services for its Bank of America facilities.

This report is covered by the limitations set out below and the agreed upon Terms and Conditions and it is for the exclusive use of Bank of America. No other use of this report in whole or in part except as directed by legal jurisdiction, is allowed without written approval of Bank of America and Wood. Use by any unauthorized parties is at the sole risk of the user.

The findings and opinions presented are relative to the dates and the limited scope of our site work and should not be relied on to represent conditions at substantially later dates or beyond the limitations of the approved investigation. The opinions included herein are based on our experience and information obtained during the study. If additional information becomes available which might impact our environmental findings, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions, if warranted.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

1200 Rossmoor Pkwy.
Walnut Creek, CA 94595
Property ID: CA4-174

1.0 INTRODUCTION

Wood Environment & Infrastructure Solutions, Inc. (Wood), was retained by JLL on behalf of Bank of America to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the approximate 1.354-acre parcel of a bank and parking area located at 1200 Rossmoor Parkway in Walnut Creek, CA (the site) in general accordance with the scope and limitations of ASTM International (ASTM) E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

1.1 PURPOSE

This Phase I ESA is intended to satisfy one of the requirements to permit Bank of America to qualify for the innocent landowner, adjoining property owner, or bona fide prospective purchaser limitations on liability under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (landowner liability protections). This Phase I ESA conforms to standards for "*all appropriate inquiries*"[1] into the previous ownership and uses of the site as specified by the US Environmental Protection Agency (EPA) in 40 CFR Part 312, and in accordance with good commercial or customary practice.

The goal of the Phase I ESA process is to identify recognized environmental conditions (RECs). The term *REC* means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a site: (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. *De minimis* conditions are not RECs. A *de minimis* condition generally does not

[1] As defined at 42 U.S.C. Section 9601(35)(B) and 40 CFR Part 312.

present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Separate and distinct from a REC are two other types of conditions that may be noted in a Phase I ESA: a controlled REC (CREC) or an historical REC (HREC).

A CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the current satisfaction of the applicable regulatory authority (for example, as evidenced by a no further action [NFA] letter or the equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls, such as site use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls.

An HREC is a REC from a past release of any hazardous substances or petroleum products that has occurred in connection with the site and has been addressed to the satisfaction of the applicable regulatory authority (using current criteria) or meets the unrestricted residential use criteria established by the regulatory authority and applicable at the time of this Phase I ESA without subjecting the site to any required controls.

1.2 DETAILED SCOPE OF SERVICES

The scope of services for conducting a Phase I ESA is outlined in ASTM E 1527-13. This Phase I ESA report should not be used for any purposes outside the scope.

Significant additions, deletions, or deviations to ASTM E 1527-13 are noted below or in corresponding sections of this report. To complete the scope of services, the following tasks were performed:

- A physical site reconnaissance to identify likely RECs in connection with the site;
- Visual observation of adjoining properties or facilities to assess conditions that may indicate RECs on the site or on an adjoining property;
- Review of historical land use of the site back to the first developed use or 1940, whichever is earlier;

- Review of existing published information related to geology, hydrology, and topographical information for the site;
- Review of reasonably ascertainable records and regulatory agency file database searches to identify federal and state-listed properties of known potential environmental concern located within the minimum search distances from the site, as specified in ASTM E 1527-13;
- Interviews with present and past site owners, operators/managers, or occupants;
- Interviews with representatives of the state, county, or local regulatory agencies with knowledge of the site;
- Evaluation of compiled information and documentation; and
- Preparation of this report.

This Phase I ESA does not address additional non-scope considerations as defined in Section 13 of ASTM E 1527-13. The scope of work does not include items considered to be beyond the scope of an ASTM Standard Phase I ESA, such as the collection and testing of groundwater samples, surface and drinking water samples, air samples (including radon), or building material samples for hazardous materials (including polychlorinated biphenyls [PCBs], asbestos, and lead-based paint). It also does not include the identification of wetlands, endangered or protected plant and animal species, or historical or archeological sites; geotechnical studies; geologic hazards; potential noise or air quality impacts; or concerns related to the Americans with Disabilities Act.

1.3 SIGNIFICANT ASSUMPTIONS

Wood has prepared this Phase I ESA using reasonable efforts to identify RECs associated with hazardous substances or petroleum products at the site. Findings in this Phase I ESA are presented as professional judgments expressed herein and are based on the facts currently available to Wood within the limits of the existing data, scope of work, budget, and schedule. It is Wood's specific intent that the findings and conclusions and recommendations stated herein provide guidance and are not necessarily a firm course of action, except where explicitly stated.

An independent data research company, Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut, provided Wood with the government agency database search report referenced in this Phase I ESA. The information provided to Wood from the government agency database search was

assumed to be correct unless obviously contradicted by Wood's observations or contradicted by another credible referenced source reviewed by Wood.

Similarly, Wood has assumed that responses to questions during interviews have been truthful, and that information contained in previous reports for the site or adjoining properties (for example, earlier Phase I ESAs or consultants' reports on tank removals or spill response) is accurate (pursuant to Section 4.7 of ASTM E 1527-13), unless contradicted by Wood's observations or contradicted by other credible referenced sources reviewed by Wood.

1.4 LIMITATIONS, EXCEPTIONS, SPECIAL TERMS, AND CONDITIONS

This report summarizes work performed to fulfill the process specified under ASTM Standard E 1527-13. The ASTM standard is intended to permit a user to satisfy one of the requirements to qualify for the federal CERCLA liability exemptions. Reasonable efforts were made to identify evidence of aboveground storage tanks (ASTs), underground storage tanks (USTs), and ancillary on-site equipment during the visit to the site. Reasonable efforts were limited to observation of accessible areas, review of referenced public records, and interviews. Wood was allowed full access to the site and there were no obstructions to limit a visual review of the site, except where noted in this Phase I ESA.

This report was prepared by Wood exclusively for Bank of America. The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in Wood services and based on: (1) information available at the time of preparation, (2) data supplied by outside sources, and (3) the assumptions, conditions, and qualifications set forth in this report. This Phase I ESA is intended to be used by Bank of America for the site located in Mayfield Heights, Ohio only, subject to the terms and conditions of its contract with Wood. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

Environmental impairment of a property may result from many activities, such as illegal or unreported dumping, or the spilling of hazardous wastes or materials. The presence of contaminants at a particular property may not always be apparent, and the completion of a Phase I ESA in accordance with ASTM E 1527-13 cannot provide a guarantee that hazardous wastes or materials do not exist.

The scope of services executed for this project does not include an audit for regulatory compliance, ecological resources, endangered species, cultural and historic resources, indoor air quality, industrial hygiene, health and safety, or high-voltage power lines. It also does not include a detailed condition survey for asbestos, lead, radon, lead in drinking water, or other potential hazards or for wetlands, naturally occurring materials, or other items not outlined in Wood's scope of services. Findings of this report are valid as of the report date and are subject to the Phase I ESA limitations described herein, and in ASTM Standard E 1527-13. An updated Phase I ESA will be required for the site after a period of 180 days.

The findings contained herein are relevant to the dates of Wood's site reconnaissance and should not be relied upon to represent conditions at later dates. In the event that changes in the nature, usage, or layout of the property or nearby properties are made, the conclusions and recommendations contained in this report may not be valid. If additional information becomes available, it should be provided to Wood so the original conclusions and recommendations can be modified as necessary.

Regardless of findings stated in this Phase I ESA, Wood is not responsible for consequences of conditions arising from facts that were withheld or not fully disclosed to Wood during this Phase I ESA.

This report does not address permit compliance or safety concerns, if any, associated with the site. It is the responsibility of the user of this Phase I ESA to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1.5 USER RELIANCE

This Phase I ESA is intended to be used by Bank of America for the site as described herein, subject to the terms and conditions of its contract with Wood. This Phase I ESA may not be relied upon by other parties without the express written consent of Bank of America and upon written acceptance of our Terms and Conditions through Wood's Third-Party Reliance Agreement.

In accordance with ASTM E 1527-13, this report is valid for one year from the date of the intended transaction, assuming interviews, a search for environmental liens, a review of government records,

the visual reconnaissance of the site and surrounding properties, and the Environmental Professional declarations are updated within 180 days prior to the intended transaction.

Provided that the report is still valid and reliable, as per the limitations and exceptions listed above, Wood will issue a third-party reliance letter to parties that Bank of America identifies in writing, upon payment of the then-current fee for such letters. All third parties relying on Wood's report, by such reliance agree to be bound by our proposal and Wood's reliance agreement. Wood's standard reliance letter indicates that in no event shall Wood be liable for any damages, howsoever arising, relating to third-party reliance on Wood's report.

2.0 SITE DESCRIPTION

The following is a description of the location, general setting, and usage of the site and adjoining properties, based on information provided by JLL and Bank of America and observations during the site reconnaissance.

2.1 LOCATION AND LEGAL DESCRIPTION

The site is an approximate 1.354-acre parcel that is currently developed as a bank with an associated parking lot located at 1200 Rossmoor Pkwy., in Walnut Creek, California. The site location is shown on **Figure 1**, and the general site layout with adjoining properties is shown on **Figure 2**. The approximate geographic coordinates for the site are Latitude North 37 degrees 52 minutes and 37.64 seconds and Longitude West 122 degrees 4 minute and 15.47 seconds. Photographs were taken of notable site features and are included in **Appendix A**.

Based on the information provided by JLL, the site consists of an approximate 1.354-acre parcel with a bank and associated parking area. This site is located in the city of Walnut Creek at 1200 Rossmoor Pkwy. The site is located at a 1.354-acre parcel identified as 186-030-056-3. This parent property is reported to be owned by BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION. Property record information is included in **Appendix B**.

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

At the time of the site reconnaissance, the site was comprised of an approximate 1.354-acre lot with an approximate 5,225 square foot single-story building currently operating as a bank and associated parking. The site is located in the north central portion of the parcel and is surrounded by commercial and retail development. Utilities servicing the site include Southern California Edison Co. (electric), Southern California Gas Co. (natural gas), and Walnut Valley Water District (water and sewer).

2.3 CURRENT SITE USAGE

At the time of the site reconnaissance, the site was being utilized as a bank with associated parking.

2.4 FORMER SITE USAGE

Review of historical records indicates the site was agricultural/pasture from at least 1939 to at least 1963, a vacant parcel of land from at least 1963 to at least 1974, when the site was developed with a commercial building. This building appears to have the current configuration as a commercial retail building with an associated parking area. Additional historical details can be reviewed in **Section 6.0: Historical Records Review**.

2.5 CURRENT USES OF THE ADJOINING PROPERTIES

Table 1 summarizes the adjoining properties and their uses that Wood identified on the day of the site reconnaissance.

TABLE 1: ADJOINING PROPERTIES

Direction	Property Description
North	Office Building with Rossmoor Medical Association, Lab Corp, and David A. Nearnon Attorneys at Law occupying it's spaces.
East	A vegetated swale followed by the Grace Presbyterian Church.
South	Tice Valley Boulevard and Tice Valley Park.
West	Shopping center with a Chevron Gas Station, Safeway Market, Chase Bank, and various smaller business' and parking areas.

3.0 PHYSICAL SETTING

Wood reviewed reasonably ascertainable sources to assess the physical setting of the site, including the topographic, geologic, hydrogeologic, and hydrologic characteristics of the site. The results of Wood's review are presented below.

3.1 TOPOGRAPHY

A review of the United States Geological Survey (USGS) Walnut Creek, CA Quadrangle (7.5 Minute Series) Topographic Map, dated 2012, indicates that the subject property has an approximate elevation of 220-240 feet above mean sea level (msl). The topography of the subject property was generally flat. The topography of the subject property and vicinity is generally flat with a slight slope generally to the east towards Tice Creek.

3.2 SOILS AND GEOLOGIC SETTING

The United States Department of Agriculture (USDA) Natural Resources Conversation Service (NRCS) "Contra Costa County," Web Soil Survey, identified the Clear Lake clay and Cut and fill land-Diablo complex as underlying the subject property. The Clear Lake clay accounts for 52.6 percent of the subject property, generally has a slope of 0 to 15 percent, are somewhat poorly drained, has a depth to water table of more than 80 inches, and restrictive feature of greater than 80 inches. The Cut and fill land-Diablo complex accounts for 47.4 percent of the subject property, generally has a slope of 9 to 30 percent, are generally well drained, has a depth to water table of more than 80 inches, and restrictive feature of 40 to 60 inches to paralithic bedrock.

3.3 GROUNDWATER AND SURFACE WATER

The USGS Groundwater Atlas of the United States, Map HA-730-B identifies the Central Valley and Coastal Basin aquifers of the Pacific Border Physiographic Province group near the subject property although no principal aquifer is noted directly underlying the subject property. The Central Valley aquifers of the Pacific Border Physiographic Province consists of tens of thousands of feet of unconsolidated sediments and clastic sedimentary rocks of Lower Paleozoic and Precambrian age. The Coastal Basin aquifers of the Pacific Boarder Physiographic Province consists of marine and

alluvial sediments in structural depressions of Cenozoic age. The principal aquifers ara in unconsolidated continental clastic deposits and volcanic rocks of Cenozoic age and limestones and dolomites of Paleozoic age.

A review of the EDR GeoCheck Report indicates that there are no Water Wells listed on the California Wells database within a quarter-mile of the subject property.

As depicted on the Regional Map, groundwater flow appears to generally be to the northeast.

Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the subject property cannot be directly ascertained. Wood assumes the local groundwater flow reflects the topography of the subject property vicinity. Subsurface and localized geologic conditions can alter assumed flow direction.

3.4 FLOODPLAIN INFORMATION

Wood reviewed the Flood Insurance Rate Map (FIRM) for the site (Map Number 06013C0289G) effective 21 March 2017. A review of the floodplain map indicates the site lies within an area of minimal flood hazard (zone x). A copy of the floodplain map is included in **Appendix B**.

4.0 USER-PROVIDED INFORMATION

For the purposes of this assessment, Bank of America, the prospective purchaser of the site, is the user of this Phase I ESA report. In accordance with Section 6 of ASTM E 1527-13, the user of this Phase I ESA was informed that they were responsible for providing the following information to Wood's environmental professional for consideration:

- Reasonably ascertainable title or judicial records related to environmental liens and AULs for the site;
- Actual knowledge of the owner of any environmental liens or AULs;
- Specialized knowledge or experience of the owner with regard to the site and activities thereon that may be material to any potential RECs;
- Commonly known (within the local community) or reasonably ascertainable information regarding past releases, conditions indicative of releases, or threatened releases of hazardous substances or petroleum; and
- Information as to whether the purchase price of the site is lower than the fair market value due to contamination.

Wood provided the user with a questionnaire, and the type of information obtained from the questionnaire is summarized in **Table 2**. A copy of the questionnaire is included in **Appendix C**.

Table 2: Information Obtained from User Questionnaire

User-Provided Information[1]	Was Information Provided to Wood? (Yes/No)	Was Wood Contracted to Procure the Information? (Yes/No)
Title Records (4.1)	No	No
Environmental Liens and Activity and Use Limitations (4.2)	No	No
Specialized Knowledge (4.3)	No	No
Commonly Known or Reasonable Ascertainable Information (4.4)	No	No
Valuation Reduction for Environmental Issues (4.5)	No	No
Reason for Performing Phase I ESA (4.6)	No	No
Other (4.7)	No	No

Numbers in parentheses reflect the report section in which the information is discussed.

4.1 TITLE RECORDS

The user provided Wood with a grant deed dated 02 August 1972, and title insurance policy dated 25 August 1972. Wood reviewed the provided title information and did not identify environmental liens or AULs, that are currently recorded against the site.

4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The user was not aware if environmental liens or AULs exist for the site.

4.3 SPECIALIZED KNOWLEDGE

The user did not have any specialized knowledge or experience related to the site or nearby properties.

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The user was not 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.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The user stated that the purchase price being paid for the site reasonably reflects the fair market value of the property, assuming zero environmental issues.

4.6 REASON FOR PERFORMING PHASE I ESA

The Phase I ESA was conducted for Bank of America as environmental due diligence to summarize and document the historical and current site information in preparation for potential property transfer.

4.7 OTHER

The user did not provide other knowledge or experience that may be deemed pertinent to the assessment by the environmental professional.

5.0 ENVIRONMENTAL RECORDS REVIEW

This section presents the results from the environmental records review. Section 5.1 discusses results from the search of standard environmental databases. These records were reviewed to assess potential environmental concerns for the site, and, when applicable, surrounding properties. Section 5.2 discusses results from additional environmental record sources that were reviewed for this Phase I ESA.

5.1 STANDARD ENVIRONMENTAL RECORDS SOURCES

Wood reviewed the results of a search of standard environmental records sources as required by ASTM Standard E 1527-13. EDR provided results of a regulatory agency database search in their report dated 04 March 2019. Wood reviewed that report for information pertaining to storage and/or reported releases of hazardous substances and petroleum products on the site and on surrounding properties that may affect the site. The EDR search report is included in **Appendix D**.

5.1.1 Federal, State, Local, and Tribal Records

The database search information has been divided into three subcategories: state, local, and tribal records, federal records, and other ascertainable records. All properties listed in the report that do not have sufficient information for mapping their location are called ***orphan sites***[2] and are listed separately in Section 5.1.2.

Wood reviewed the EDR report for databases that indicate potential releases or environmental impacts. Review of the federal, state, tribal, and proprietary records summary provided by EDR of sites of potential environmental concern located within the respective ASTM standard search radii are summarized in the below table. Based on distances from the Site, the types of listings and the assumed direction of groundwater flow, none of the properties listed is likely to have a negative impact on the Site **except** for the properties described below the table.

[2] Orphan sites are properties in government records reports prepared by commercial database vendors that cannot be geographically located (i.e., mapped or geocoded) due to an inadequate or incomplete address in the government database or computer map files.

Table 3: Environmental Database Search Results

EDR MAP ID	SITE NAME	SITE ADDRESS	DATABASE	RELATIVE ELEVATION	MAPPED DISTANCE FROM SITE (FT, MILES, DIRECTION)	ID'ED AS REC	ELIMINATED DUE TO			COMMENT
							DISTANCE	ASSUMED GW FLOW DIRECTION	REGULATORY STATUS	
A1	Chevron Station No 92709	1998 Tice Valley BLVD, Walnut Creek, CA 94595	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	298 ft. West	YES				Storage, bulking, and/or transfer of volatile organic compounds.
A2	Chevron Station #92709	1998 Tice Valley BLVD, Walnut Creek, CA 94595	LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF, HIST CORTESE, CONTRA COSTA CO., SITE LIST, CERS	Higher	298 ft. West	YES				Open site assessment local case # 62304. Several violations noted.
A3	92709	1998 Tice Valley BLVD, Walnut Creek, CA 94595	HIST UST	Higher	298 ft. West	YES				3 USTs used for product and 1 UST used for waste.
A4	AL Steeles Chevron Station	1998 Tice Valley BLVD, Walnut Creek, CA 94595	EDR Hist Auto	Higher	298 ft. West	YES				Historic auto service station from 1969 through 2014.

Table 3: Environmental Database Search Results

EDR MAP ID	SITE NAME	SITE ADDRESS	DATABASE	RELATIVE ELEVATION	MAPPED DISTANCE FROM SITE (FT, MILES, DIRECTION)	ID'ED AS REC	ELIMINATED DUE TO			
							DISTANCE	ASSUMED GW FLOW DIRECTION	REGULATORY STATUS	COMMENT
A5	Chevron Station #92709	1998 Tice Valley BLVD, Walnut Creek, CA 94595	UST	Higher	298 ft. West	YES				No other regulatory information provided.
B8	Leos Rossmoor Uni-Cal	1997 Tice Valley BLVD, Walnut Creek, CA 94595	EDR HIST AUTO	Higher	482 ft. West-Southwest	YES				Historic auto service station from 1971 through 1991.
B11	Union Oil SS6098	1997 Tice Valley BLVD, Walnut Creek, CA 94595	HIST UST	Higher	482 ft. West-Southwest	YES				Historic USTS – 2 gasoline, 2 waste reported.
B12	UNOCAL Service Station #6098	1997 Tice Valley BLVD, Walnut Creek, CA 94595	LUST, SWEEPS UST, HIST UST, CA FID UST, HIST CORTESE, CONTRA COSTA Co. SITE LIST, CERS	Higher	482 ft. West-Southwest	YES				LUST case closed in 1996

Table 3: Environmental Database Search Results

EDR MAP ID	SITE NAME	SITE ADDRESS	DATABASE	RELATIVE ELEVATION	MAPPED DISTANCE FROM SITE (FT, MILES, DIRECTION)	ID'ED AS REC	ELIMINATED DUE TO			COMMENT
							DISTANCE	ASSUMED GW FLOW DIRECTION	REGULATORY STATUS	
C15	Sparklizing Cleaners	1958 Tice Valley BLVD., Walnut Creek, CA 94595	CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE, DRYCLEANERS, EMI, CONTRA COSTA Co. SITE LIST, CERS	Higher	713 ft. West	YES				Assessment & Interim Remedial Action status update 07 June 2018 proposing to use sub-slab depressurization (SSD) system to address vapor intrusion.
C16	Sparklizing Cleaners	1958 Tice Valley BLVD., Walnut Creek, CA 94595	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	713 ft. West	YES				SQG of liquids with halogenated organic compounds.
19	Pulte Group	2071 Tice Valley BLVD, Walnut Creek, CA 94595	HAZNET, CONTRA COSTA Co. SITE LIST	Lower	844 ft. East-Southeast	NO	X	X	X	No violations reported.
20	UDC HOMES	1717 Rossmoor PKY, Walnut Creek, CA 94596	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, CONTRA COSTA Co. SITE LIST, CERS	Higher	1,164 ft. Southwest	NO	X	X	X	LUST regulatory status case closed in 1997.

Properties identified as potential concerns for the Site are discussed in more detail below:

- **Chevron Station No. 92709 (Chevron Station #92709, 92709, AL Steeles Chevron Station),** is listed on the RCRA-SQG, FINDS, ECHO, HAZNET, LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF, HIST CORTESE, CONTRA COSTA CO., SITE LUST, HIST UST, EDR HIST AUTO, UST databases (EDR Map IDs A1 through A5). This facility is located approximately 298 feet west and is potentially topographically upgradient from the site. The facility is listed as a RCRA Small Quantity Generator for numerous wastes, including but not limited to petroleum and chlorinated hydrocarbons and has been in operation since at the late 1960s. The facility is also listed on the UST and LUST databases with a site history of impacted soil, groundwater, and soil vapor. The facility operates three – 10,000-gallon unleaded gasoline USTs and formerly operated a 1,000-gallon used oil UST until its removal in 1998. Confirmation soil sampling following removal of the 1,000-gallon used oil UST confirmed PCE soil impact and lead to the installation of a vapor recovery system. A 1,2-DCA groundwater plume was also noted below the service station. Potential contaminates of concern noted for the site include dichloroethane (DCA), tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, and benzene. Numerous UST/RCRA violations are listed for facility including, but not limited to: secondary containment testing, initial/annual employee training, container use and management, line leak detector (LLD) testing, and recording/reporting of emergency response plans and procedures. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- **Leos Rossmoor Uni-Cal (Union Oil SS6098, UNOCAL Service Station #6098),** is listed on the EDR HIST AUTO, HIST UST, LUST, SWEEPS UST, CAL FID UST, HIST CORTESE, CONTRA COSTA Co. SITE LIST, AND CERS databases (EDR Map IDs B8, B11, and B12). This facility is located approximately 482 feet west-southwest and is potentially topographically upgradient from the site. The facility is listed on the HIST UST and LUST databases with a site history of soil and groundwater investigations and remedial activities from 1987 until the case was closed in 1996. Potential contaminates of concern noted for the site include gasoline. Based on the site address, the current business operating at this address is a Rite Aid and no longer

a service station. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- **Sparklizing Cleaners** is listed on the CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE, DRYCLEANERS, EMI, CONTRA COSTA Co. SITE LIST, CERS, RCRA-SQG, FINDS, EHO, and HAZNET databases (EDR MAP IDs C15 and C16). This facility is located approximately 713 feet west and is potentially topographically upgradient from the site. The facility is listed on the CPS-SLIC database with Assessment and Interim Remedial Action currently open for potential indoor air, groundwater, soil, and soil vapor impacts. Potential contaminates of concern noted for the site include tetrachloroethylene (PCE) and a sub-slab depressurization (SSD) system has been proposed for use to address vapor intrusion for the site. Compliance evaluation violations were noted in 2016 and 2017. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

The remaining facilities listed in the EDR report were evaluated to not be of environmental concern for the site due to regulatory status, distance and/or assumed groundwater flow direction.

5.1.2 Orphan Sites List

Facilities that cannot be properly mapped by EDR due to poor or inadequate address information are identified as orphan sites in the EDR Radius Map database listings. Standard environmental record sources databases identified one orphan site. The orphan site is located over a quarter mile from the site and cross-gradient/downgradient from the assumed groundwater flow direction.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Additional environmental record sources were reviewed to enhance and supplement the standard environmental records. This section includes information obtained based on review of information from federal and local departments to assist in ascertaining potential environmental risks associated with the site.

5.2.1 EPA Envirofacts

A review of the U.S. Environmental Protection Agency (EPA) Envirofacts database identified the Chevron Station No 92709 (1998 Tice Valley BLVD., Walnut Creek, CA) which was addressed within the EDR regulatory database agency search and can be seen described in detail in the above section. Due to the proximity of the site and assumed groundwater flow direction the facility is considered a REC for the site.

5.2.2 Contra Costa County Fire Protection District

The site is located in the jurisdiction of the Contra Costa County Fire Protection District. On 08 April 2019, Wood contacted the Fire Department regarding a Freedom of Information Act (FOIA) request for information available for the site. On 09 April 2019, the clerical supervisor for the Contra Costa Health Services-Hazardous Materials Programs contacted Wood via email and stated that they had records for the property from 1986 to present.

5.2.3 Contra Costa County General Health District

The Contra Costa County General Health District was contacted regarding any information on the site on 08 April 2019. As of the submission of this report no response had been received.

5.3 VAPOR INTRUSION EVALUATION

Wood reviewed the Tier I Vapor Encroachment Screen Report from EDR. A copy of the report is included in **Appendix E**. This report was obtained to assess potential soil vapor sources for the site. Preliminary information was provided to Wood by EDR. Two facilities of possible concern were identified adjoining the site. After reviewing the site setting, performing a site reconnaissance and reviewing regulatory information provided by EDR regarding each potential vapor encroachment source, Wood finalized the vapor encroachment report.

The reported facility includes the Chevron Station #92709 and UNOCAL Service Station #6098. Based on the regulatory information reviewed, these facilities are considered potential vapor encroachment sources at this time.

6.0 HISTORICAL RECORDS REVIEW

The following historical source records were identified and reviewed:

- EDR Aerial Photo Decade Package, aerial photographs dated 1939, 1946, 1949, 1950, 1958, 1963, 1968, 1974, 1982, 1993, 1998, 2006, 2009, 2012, and 2016, EDR Inquiry Number 5578638.8, dated 05 March 2019;
- EDR Certified Sanborn® Map Report, Unmapped Property, EDR Inquiry Number 5578638.21, dated 04 March 2019;
- EDR City Directory Abstract, dated 1975, 1982, 1987, 1992, 1995, 2000, 2005, 2010, and 2014, EDR Inquiry Number 5578638.23, dated 05 March 2019; and
- EDR Historical Topo Map Report, topographic maps dated 1897, 1915, 1947, 1948, 1949, 1959, 1968, 1973, 1980, 1995, 1996, 1999, and 2012, EDR Inquiry Number 5578638.22, dated 04 March 2019.

Wood reviewed reasonably ascertainable, standard historical sources to develop a history of the previous uses of the site and surrounding area in order to help identify the likelihood of past uses that could have led to RECs in connection with the site. Wood has attempted to identify the past uses of the site at intervals defined by ASTM from the present back to the site's first developed use or 1940, whichever is earlier.

6.1 TITLE RECORDS, ENVIRONMENTAL LIEN, AND AULS

Wood was not provided recorded land title records for the site that could be reviewed to identify environmental liens and AULs, if any, that are currently recorded against the site.

6.2 LOCAL STREET DIRECTORY

EDR completed a local street directory search (for Target Streets and Cross Streets) as a screening tool to assist in evaluating potential liability resulting from past activities on or near the site. Street directory listings for the years 1975 through 2014, at approximately five-year intervals, were researched for the site area. The local street directory report is summarized in **Table 4** and included in **Appendix F**.

Table 4: Street Directory Search Results

Date	1200 Rossmoor Pkwy.	1210 Rossmoor Pkwy.	1220 Rossmoor Pkwy.	1221 Rossmoor Pkwy.	1224 Rossmoor Pkwy.	1226 Rossmoor Pkwy.
2014	Bank of America National Assn	Rossmoor Medical Associates; Schoen Roland; Seet Elizabeth MD	Burtis Hearing Aid SVC; Cecile Shepard DPM INC; Chandra Smita MD; etc…	Davita Walnut Creek West Dialy; USPS	Car Center of Rossmoor	HCR Manocare MED SVCS FLA LLC; MCHS Walnut Creek
2010	Bank of America National Assn	Frank Johnathan; Rossmoor Medical Associates; Schoen Roland; Seet Elizabeth MD	Engdahl Karl DDS; John Muir at Rossmoor, John X Ray Medical Imaging; etc…	USPS	600 Care Center of Rossmoor; Care Center of Rossmoor; Day Betty; etc…	HCR Manocare MED SVCS FLA LLC; MCHS Walnut Creek
2005	Bank of America National Assn	Rossmoor Medical Associates INC	Engdahl Karl DDS; Golden Rain Foundation; John Muir Rehap Services; etc…	USPS	Day Betty; Ocadian Care Centers INC	Manorcare Health Services INC
2000	Bank of America NA	Not Listed	Engdahl Karl DDS; Kwan Edgar Y MD; Rossmoor Medical Center INC; Wong Joseph D	Not Listed	Bobbies Beauty Salon; Ocadian Care Center INC	Manocare Health Services INC
1995	Bank of Amer Nat TR SAV ASSN	Not Listed	Christiansen Physical Therapy; Engdahl Karl DDS; etc…	USPS	Bobbies Beauty Salon; Guardian Foundation	Manor Healthcare CORP
1992	Bank of Amer Nat TR SAV ASSN	Not Listed	Christiansen Physical Therapy; Golden Rain Foundation INC	Not Listed	Bobbies Beauty Salon; Guardian Foundation	Manor Care INC; Perryman Plumbing CO
1987	Bank of America NT SA	Not Listed	Golden Rain Foundation	Not Listed	Rossmoor Manor Foundation	Not Listed

Additional Cross Streets were not available in the EDR City Directory Report. The above listings did not identify historical usage that is considered to be a REC in connection with the site.

6.3 AERIAL PHOTOGRAPHS

Aerial photographs are photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the site. Wood reviewed available aerial photographs of the site and surrounding area provided by EDR dated 1939, 1946, 1949, 1950, 1958, 1963, 1968, 1974, 1982, 1993, 1998, 2006, 2009, 2012, and 2016. **Table 5** summarizes the information obtained from review of the aerial photographs. It should be noted that site features may not be discernible on the aerial photographs due to the scale or degree of clarity of a given photograph. Copies of the aerial photographs are included in **Appendix G**.

Table 5: Aerial Photograph Search Results

Date	Scale	Target Site	Adjoining Properties
1939	1"=500'	The site appears as an agricultural/pasture field associated with a farm property.	The surrounding adjoining properties appear to be vacant land associated with residential-agricultural use. The parent tract appears to be vacant with a residential-agricultural to the south-southeast of the site.
1946	1"=500'	Site appears mostly as shown in 1939.	Adjoining properties appear mostly as shown in 1939.
1949	1"=500'	Site appears mostly as shown in 1946.	Adjoining properties appear mostly as shown in 1946.
1950	1"=500'	Portion of site appears to have been disturbed for possible development.	Adjoining properties to the west-northwest appear to have been disturbed for possible development.
1958	1"=500'	Site appears mostly as shown in 1949 with no development.	Adjoining properties appear mostly as shown in 1949.
1963	1"=500'	Site appears mostly as shown in 1949.	Adjoining properties appear mostly as shown in 1949 with possible commercial-residential building south of the parent parcel.
1968	1"=500'	Development on the site appears with areas disturbed by grading activities. Rossmoor Parkway appears along west boundary of site.	Adjoining properties to west-northwest of site developed with commercial properties and asphalt parking area. Properties to south and east developed with possible commercial-residential buildings. Properties to north disturbed for possible development.

Date	Scale	Target Site	Adjoining Properties
1974	1"=500'	Site building with associated asphalt parking lot appears.	Adjoining properties to the north developed with commercial buildings with additional commercial development to the west, south, and east.
1982	1"=500'	Site appears mostly as shown in 1974.	Adjoining properties appear mostly as shown in 1974 with additional residential development north of the site.
1993	1"=500'	Site appears mostly as shown in 1982.	Adjoining properties appear mostly as shown in 1982 with residential development north of site completed.
1998	1"=500'	Site appears mostly as shown in 1993.	Adjoining properties appear mostly as shown in 1993.
2006	1"=500'	Site appears mostly as shown in 1998.	Adjoining properties appear mostly as shown in 1998.
2009	1"=500'	Site appears mostly as shown in 2006.	Adjoining properties appear mostly as shown in 2006.
2012	1"=500'	Site appears mostly as shown in 2009.	Adjoining properties appear mostly as shown in 2009.
2016	1"=500'	Site appears mostly as it is today.	Adjoining properties appear mostly as today.

The site's earliest use appears to be agricultural-pasture land associated with the parent parcel from at least 1939 to 1968. The site appears to have transitioned to a commercial lot from at least 1968 to 1974. The first visible development of the site occurred in at least 1974 with commercial building and asphalt parking on the parent parcel.

Adjacent properties along the Rossmoor Parkway corridor appear to have a similar history of a agricultural-pasture land to commercial use-shift that occurred mid-1960s. Wood's review of the parent parcel's ownership records indicates the property has been owned by Bank of America National Trust and Savings Association from at least August 1972. Wood's review of the aerial photographs did not identify historical usage that is considered to be a REC in connection with the site.

6.4 HISTORICAL TOPOGRAPHIC MAPS

Historical topographic maps of the site and surrounding area were reviewed from the years 1897, 1915, 1947, 1948, 1949, 1959, 1968, 1973, 1980, 1995, 1996, 1999, and 2012. **Table 6** summarizes the information obtained from review of the topographic maps. Copies of the topographic maps are included in **Appendix H**.

Table 6: Topographic Map Search Results

Date	Scale	Target Site	Adjoining Properties
1897	1"=62,500'	The site appears mapped along the Tice Valley. The site appears as undeveloped.	The area surrounding mapped along the Tice Valley corridor also appears relatively undeveloped with only a few small structures marked south of the site. However, the scale of the map prevents the identification of property lines.
1915	1"=62,500'	The site appears unchanged from the 1897 map.	The area surrounding the site appears mostly unchanged from the 1897 map besides the appearance of rail lines.
1947	1"=24,000'	The site appears unchanged from the 1915 map.	The area surrounding the site appears mostly unchanged from the 1915 map besides the appearance of Tice Valley Blvd. and the southern portion of Rossmoor Pkwy.
1948	1"=62,500'	The site appears unchanged from the 1947 map.	The area surrounding the site appears mostly unchanged from the 1947 map.
1949	1"=24,000'	The site appears unchanged from the 1948 map.	The area surrounding the site appears mostly unchanged from the 1948 map.
1959	1"=24,000'	The site appears unchanged from the 1949 map.	The area surrounding the site appears mostly unchanged from the 1949 map.
1968	1"=24,000'	The site appears unchanged from the 1959 map.	The area surrounding the site appears slightly more developed than in previous years. A structure appears to have been constructed west of the parent parcel with the north portion of Rossmoor Pkwy. completed.

Date	Scale	Target Site	Adjoining Properties
1973	1"=24,000'	The site appears to have been developed with one structure completed.	The area surrounding the site appears to be densely developed with structures appearing east and northeast of the parent parcel.
1980	1"=24,000'	The site appears unchanged from the 1973 map.	The area surrounding the site appears to be slightly more developed.
1995	1"=24,000'	No buildings are depicted on the 1995 map.	No buildings are depicted on the 1995 map.
1996	1"=24,000'	No buildings are depicted on the 1996 map.	No buildings are depicted on the 1996 map.
1999	1"=24,000'	Portion of map which includes parent parcel is unmapped.	Portion of map which includes immediately adjoining properties are unmapped.
2012	1"=24,000'	No buildings are depicted on the 2012 map.	No buildings are depicted on the 2012 map.

From 1897 to 1973, the site appears in the vicinity of individual structures along Tice Valley Blvd., however scale remains limiting to depict site boundaries. From 1973 to 2012 the site and adjoining properties are mapped in a seemingly primarily commercial area, with the first commercial development for the area appearing in 1968 west to the parent parcel. The site appears to have been developed since at least 1973. Wood's review of the historical topographic maps did not identify historical usage that is considered to be a REC in connection with the site.

6.5 FIRE INSURANCE MAPS

Sanborn fire insurance maps have been produced for many urban areas since the late 1800's and have been used to assess fire hazards. According to EDR, Sanborn Maps were unavailable for the site. A Copy of the EDR Sanborn Fire Insurance Map Report is included in **Appendix I**.

6.6 SUMMARY OF PREVIOUS REPORTS OR RECORDS OF PROCEEDINGS

No previously completed reports or records of proceedings involving the site that could provide information on historical usage or environmental conditions were provided.

6.7 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Wood obtained historical use information on the adjoining properties in the process of researching the site, as described in the preceding sections. Based on Wood's review, historical records have identified that the past uses of adjoining properties are not RECs in connection with the site.

7.0 SITE RECONNAISSANCE

Mr. Scott Graham of Wood completed the site reconnaissance on 18 March 2019, observing the general site conditions and operations on the site. Mr. Graham was accompanied during the site reconnaissance by Deborah Kitts, Bank of America FCM. This section presents the findings of the site reconnaissance. These observations pertain to the general conditions of the physical land, including location and presence of ponded water, wetlands, stained and stressed vegetation, monitoring wells, wastewater, and solid or liquid waste, as applicable.

On the day of the site reconnaissance, the weather conditions were sunny and mild with an air temperature around 65 degrees Fahrenheit. The entire site was walkable and accessible. Photographs were taken of notable site features and are included in **Appendix A**.

7.1 METHODOLOGY AND LIMITING CONDITIONS

The exterior of the site was visually and/or physically observed from the periphery, including adjacent public thoroughfares for evidence of activities or features that could represent recognized environmental conditions. Observations of exterior features were not obstructed. All accessible interior areas were observed for evidence of storage or activities or features that could represent recognized environmental conditions. Interior areas below floors, above ceilings, and behind walls were not observed. Visibility of the ground surface was not restricted.

7.2 GENERAL SITE SETTING

At the time of the site reconnaissance, the site was comprised of a 1.354-acre lot with an approximate 5,225 square foot single-story building currently operating as a bank and associated parking. The area surrounding the site is characterized predominantly by commercial and retail properties to the north, east, and west, with a public park and gymnasium located to the south.

7.3 BUILDINGS AND STRUCTURES

The site is currently occupied by a 5,225-square foot single-story building currently operating as a bank. The building included a central public area, with a vault, safe-deposit boxes, a break area, and several storage rooms.

7.4 ABOVEGROUND STORAGE TANKS

No ASTs were observed on the site during the site reconnaissance.

7.5 UNDERGROUND STORAGE TANKS

No USTs or associated dispensers and piping were observed on the site during the site reconnaissance.

7.6 ODORS

No unusual odors were noted on the site on the day of the site reconnaissance.

7.7 POOLS OF LIQUID

Pools, catchment structures, or sumps containing liquids or oily sheen likely to be hazardous substances or petroleum products were not observed on the site during the site reconnaissance.

7.8 PITS, PONDS, OR LAGOONS

No pits, ponds, or lagoons were observed on the site during the site reconnaissance.

7.9 DRUMS

No drums were observed on the site during the site reconnaissance.

7.10 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS STORAGE CONTAINERS

No containers identified as containing hazardous substances or petroleum products were observed on the site during the site reconnaissance. Several gallons of paint were located in the janitorial closet and garbage room along with various soaps and floor wax.

7.11 UNIDENTIFIED SUBSTANCE CONTAINERS

No unidentified containers containing unidentified substances suspected of being hazardous substances or petroleum products were observed on the site during the site reconnaissance.

7.12 POLYCHLORINATED BIPHENYLS

One pad-mounted electrical transformer is located in a fenced area to the east of the site building. The transformer was marked as belonging to Pacific Gas and Electric and appeared to be in good condition. The electrical transformer is a device known to possibly contain PCBs and was not marked either way.

7.13 STAINS OR CORROSION

No stains or corrosion indicative of hazardous substances or petroleum products were observed on the site.

7.14 DRAINS, SUMPS, OR OTHER DISCHARGE FEATURES

One storm drain was located in the southwest entranceway to the Site. Most of the site was sloped to the southwest and stormwater likely drains via surface drainage to the storm drains located on Rossmoor Parkway and Tice Valley Blvd.

7.15 STAINED SOIL/PAVEMENT OR STRESSED VEGETATION

No stained soil/pavement or stressed vegetation was observed on the site during the site reconnaissance.

7.16 SOLID WASTE OR FILL DIRT

No solid waste containers or stockpiles of fill material were observed on the site.

7.17 WASTEWATER

No wastewater or other liquids were observed during the site reconnaissance.

7.18 WELLS

No wells were observed during the site reconnaissance.

7.19 WET AREAS OR SURFACE WATER BODIES

A grass swale is located to the east of the site. No water was flowing through the swale at the time of the site reconnaissance. There were no obvious signs of filling of wetlands or discharges (e.g., oily sheen) to surface water bodies. A detailed wetland evaluation is beyond the scope of this investigation. No wetlands are located on the site according to the National Wetlands Inventory. A copy of the National Wetlands Inventory map for the site is included in **Appendix B.**

8.0 INTERVIEWS

During the course of this Phase I ESA, Wood either interviewed, or attempted to interview, potentially knowledgeable people to obtain information about the site, particularly regarding possible RECs in connection with the site. The information obtained from the interviews are presumed to have been provided in good faith, and to the full extent of the knowledge of the individual responding.

8.1 INTERVIEW WITH CURRENT PROPERTY OWNER, MANAGER, OR OCCUPANTS

Wood spoke with Alex Remizov, an engineer with JLL, who has done maintenance at the site for at least 11 years. He did not know of any hazardous waste or spills ever being stored or occurring at the Site and, to his knowledge, the Site has been a bank (in its current configuration) as long as he been working at the Site.

8.2 ATTEMPTED INTERVIEWS

No other attempted interviews were completed.

9.0 FINDINGS

Wood has performed this Phase I ESA in general conformance with the scope and limitations of ASTM Standard E 1527-13 for the site identified as an approximate 1.354-acre lot at 1200 Rossmoor Pkwy. in Walnut Creek, California . Based on the information reviewed, the following RECs were identified for the site:

- The EDR report indicates that Chevron Station No. 92709 (Chevron Station #92709, 92709, AL Steeles Chevron Station) is listed on the RCRA-SQG, FINDS, ECHO, HAZNET, LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF, HIST CORTESE, CONTRA COSTA CO., SITE LUST, HIST UST, EDR HIST AUTO, UST databases. This facility is located approximately 298 feet west and is potentially topographically upgradient from the site. The facility is listed as a RCRA Small Quantity Generator for numerous wastes, including but not limited to petroleum and chlorinated hydrocarbons and has been in operation since at the late 1960s. The facility is also listed on the UST and LUST databases with a site history of impacted soil, groundwater, and soil vapor. The facility operates three – 10,000-gallon unleaded gasoline USTs and formerly operated a 1,000-gallon used oil UST until its removal in 1998. Confirmation soil sampling following removal of the 1,000-gallon used oil UST confirmed PCE soil impact and lead to the installation of a vapor recovery system. A 1,2-DCA groundwater plume was also noted below the service station. Potential contaminates of concern noted for the site include dichloroethane (DCA), tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, and benzene. Numerous UST/RCRA violations are listed for facility including, but not limited to: secondary containment testing, initial/annual employee training, container use and management, line leak detector (LLD) testing, and recording/reporting of emergency response plans and procedures. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- The EDR report indicates that Leos Rossmoor Uni-Cal (Union Oil SS6098, UNOCAL Service Station #6098) is listed on the EDR HIST AUTO, HIST UST, LUST, SWEEPS UST, CAL FID UST, HIST CORTESE, CONTRA COSTA Co. SITE LIST, AND CERS databases. This facility is located approximately 482 feet west-southwest and is potentially topographically upgradient from

the site. The facility is listed on the HIST UST and LUST databases with a site history of soil and groundwater investigations and remedial activities from 1987 until the case was closed in 1996. Potential contaminates of concern noted for the site include gasoline. Based on the site address, the current business operating at this address is a Rite Aid and no longer a service station. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

- The EDR report indicates that Sparklizing Cleaners is listed on the CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE, DRYCLEANERS, EMI, CONTRA COSTA Co. SITE LIST, CERS, RCRA-SQG, FINDS, EHO, and HAZNET databases. This facility is located approximately 713 feet west and is potentially topographically upgradient from the site. The facility is listed on the CPS-SLIC database with Assessment and Interim Remedial Action currently open for potential indoor air, groundwater, soil, and soil vapor impacts. Potential contaminates of concern noted for the site include tetrachloroethylene (PCE) and a sub-slab depressurization (SSD) system has been proposed for use to address vapor intrusion for the site. Compliance evaluation violations were noted in 2016 and 2017. Based on the regulatory information reviewed, assumed groundwater flow direction and proximity to the site, this facility is considered a REC for the site.

10.0 OPINION

Based on the opinion of the environmental professional, the following recognized environmental conditions were identified in connection with the site.

The Chevron Station No. 92709 LUST listing is considered a REC from an off-site source based on the continued presence of constituents of concern in exceedance of CA cleanup levels.

The Leos Rossmoor Uni-Cal LUST listing is considered a REC from an off-site source based on the former presence of constituents of concern in exceedance of CA cleanup levels.

The Sparklizing Cleaners CPS-SLIC listing is considered a REC from an off-site source based on the presence of constituents of concern in exceedance of CA cleanup levels.

11.0 CONCLUSIONS

Wood has performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard E 1527-13 for the site identified as an approximate 1.354-acre lot at 1200 Rossmoor Pkwy. in Walnut Creek, California. Any exceptions to, or deviations from, this practice are described in **Section 12** of this report.

This assessment has revealed three RECs from off-site sources: Chevron Station No. 92709, Leos Rossmoor Uni-Cal, and Sparklizing Cleaners.

Wood does not guarantee the site is free of contamination or hazardous waste material due to unknown or latent conditions that may become evident in the future, either on the site or on adjoining or nearby properties. In addition, site conditions might change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions, and recommendations contained herein may have to be modified. Review by Wood of such additional information would be conducted upon receipt of a written request from our client.

12.0 DEVIATIONS AND DATA GAPS

Wood did not deviate from the ASTM E 1527-13 standard in conducting this assessment. No data gaps were encountered during the ESA process that would likely change the findings.

13.0 ADDITIONAL SERVICES

Wood completed additional services during the completion of the Phase I ESA. Site reconnaissance included visual inspections of the probability of lead, mold, and asbestos materials that may be of impact to human contact. Additionally, records were reviewed to include information on regional information for radon levels. The results of these additional services are included in this section.

13.1 LEAD

Wood completed an observational search for lead and lead inclusive materials during the site reconnaissance completed on 18 March 2019. In general, the painted surfaces observed were noted to be in fair condition. To provide a more detailed assessment of painted surfaces at the site building, a survey of painted surfaces would need to be performed. Based on the construction date of the current building in the early-1970s, it is unlikely that lead-based paint is present in the site building.

13.2 MOLD

Wood completed an observational search for mold and mold inclusive materials during the Site reconnaissance completed on 18 March 2019. There were no indications that dripping water or a leaking roof area affecting the site. No water spots, water stains, or mold odors were noted during the site reconnaissance.

13.3 ASBESTOS

Wood completed an observational search for asbestos and asbestos inclusive materials during the site reconnaissance completed on 18 March 2019. This walk-through was not intended to serve as a substitute for a complete asbestos inspection nor was it intended to provide identification of all suspect asbestos-containing materials (ACM) present at the site. This was a non-intrusive walk-through which did not involve inspection of areas behind walls, in crawl spaces, attics, in shafts, and areas with limited access due to physical obstructions. Based on the general building construction date (1973), it is possible that asbestos-containing materials were used in the constructions of the site building.

13.4 REGIONAL RADON INVESTIGATION

Regional radon information was obtained through county maps published by the California Environmental Protection Agency. The map indicates the site is located in zone 2, which is defined as having a potential of indoor radon screening levels between 2.0 and 4.0 pCi/L U.S.EPA remedial target. While the map gives general regional potentials for radon occurrence, the map cannot be used to characterize or predict indoor radon levels at a given location.

14.0 REFERENCES

ASTM International (ASTM), 2013, ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase One Environmental Site Assessment Process, ASTM International, West Conshohocken, Pennsylvania.

EDR Aerial Photo Decade Package, Inquiry Number: 5578638.27, 04 March 2019.

EDR Certified Sanborn® Map Report, Inquiry Number: 5578638.21, 04 March 2019.

EDR City Directory Abstract, Inquiry Number: 5578638.23, 05 March 2019.

EDR Historical Topo Map Report, Inquiry Number: 5578638.22, 04 March 2019.

EDR Radius Map™ Report with Geocheck®, Inquiry Number: 5578638.20s, 04 March 2019.

EPA Envirofacts: https://www3.epa.gov/enviro/facts/multisystem.html, accessed 08 April 2019.

FEMA Flood Map Service Center: https://msc.fema.gov/portal/search, accessed 19 March 2019.

National Wetlands Inventory: http://www.fws.gov/nwi/, 19 March 2019.

Contra Costa County Auditor's Office Real Estate Assessment Data: https://assr.parcelquest.com/Home/Details/0 accessed 27 March 2019.

Contra Costa County Fire Protection District, email sent 08 April 2019.

Web Soil Survey. Soil Map of Contra Costa County, California. Version 15, September 14, 2018. United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) website, accessed 27 March 2019.

15.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Title 40 of the Code of Federal Regulations (CFR), Part 312.0. We have the specific qualifications based on education, training, and experience to assess a site of the nature, history, and setting of the subject site. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

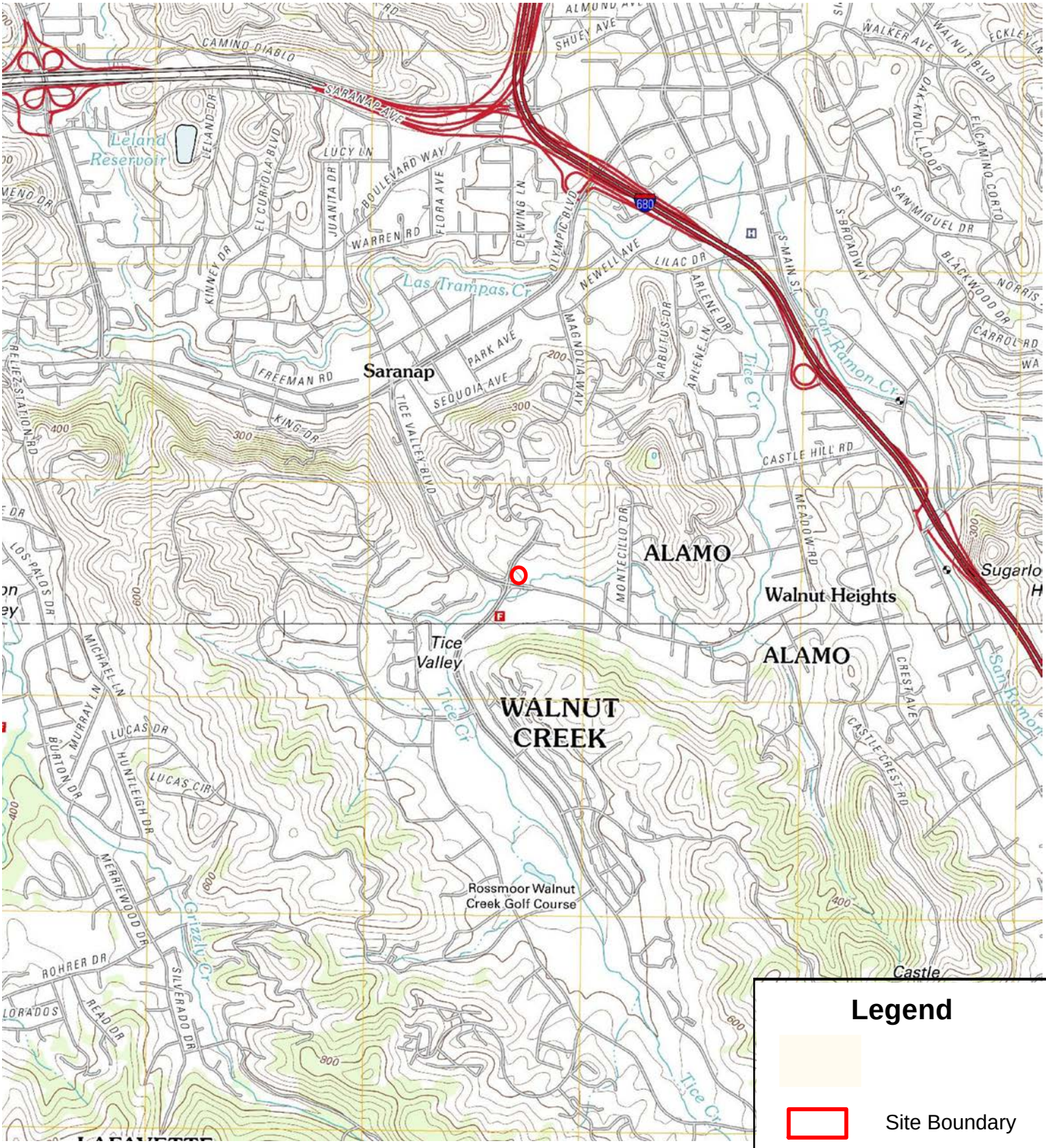
Wood Environment & Infrastructure Solutions, Inc.

David B. Carden, PG
Senior Geologist

16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)

Resumes for the individuals acting as representatives of Wood and involved in preparing this report are included in **Appendix J.**

FIGURES

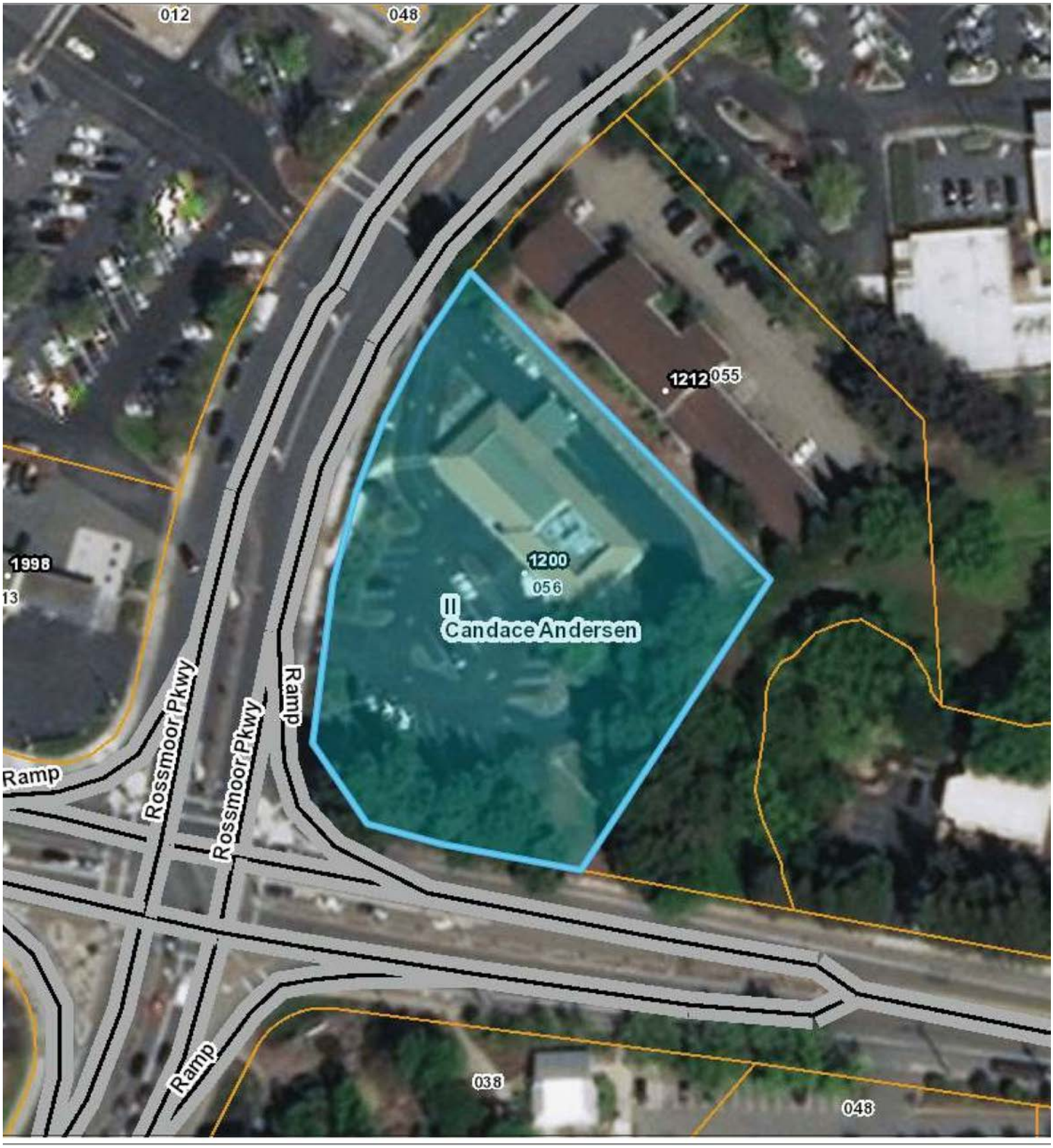


Legend

Site Boundary

Wood E&IS 3800 Ezell Rd, Suite 100 Nashville, Tennessee 37211	wood.	CLIENT **Bank of America, N.A.**	
PROJECT 1200 Rossmoor Pkwy Walnut Creek, CA Property ID: CA4-174	N	DWN BY JCH	DATUM	DATE 04/2019
		CHK'D BY BSF	REV. NO.	PROJECT NO. 7650181190.125
TITLE **SITE LOCATION MAP**		0 500 1,000 Feet 1 inch = 1,000 feet		FIGURE NO. **FIGURE 1**

Wood E&IS 3800 Ezell Rd, Suite 100 Nashville, Tennessee 37211	wood.	CLIENT **Bank of America, N.A.**	
PROJECT 1200 Rossmoor Pkwy Walnut Creek, CA Property ID: CA4-174	N	DWN BY JCH / CHK'D BY BSF	DATUM / REV. NO.	DATE 04/2019 / PROJECT NO. 7650181190.125
TITLE **SITE VICINITY MAP**	0 150 300 Feet 1 inch = 300 feet			FIGURE NO. **FIGURE 2**



Wood E&IS 3800 Ezell Rd, Suite 100 Nashville, Tennessee 37211	wood. N	CLIENT **Bank of America, N.A.**	
PROJECT 1200 Rossmoor Pkwy Walnut Creek, CA Property ID: CA4-174		DWN BY JCH / CHK'D BY BSF	DATUM / REV. NO.	DATE 04/2019 / PROJECT NO. 7650181190.125
TITLE **TAX PARCEL MAP**	B-55	0 125 250 Feet 1 inch = 250 feet		FIGURE NO. **FIGURE 3**

APPENDIX A

Site Photographs

Photo 1

Site Signage. Looking South with the Site on the left and Rossmoor Parkway on the right.

Photo 2

Looking North at Site building front and parking lot.

wood.
3800 Ezell Road, Suite 100
Nashville, Tennessee 37211

PROJECT #	7650191190.125
ASSESSOR	S. Graham
DATE	March 19, 2019
PAGE	1

PHOTOGRAPHIC LOG
CA4-174 Phase I ESA
1200 Rossmoor Pkwy.
Walnut Creek, Contra Costa County, CA

Photo 3

View of the front lobby.

Photo 4

View of the break room.

Photo 5

View of storage room.

Photo 6

View of paint in garbage area.

Photo 7

View of hot water heater in janitors closet.

Photo 8

View of storm drain in parking lot exit. Looking west.

Photo 9

View of storm drain on Rossmoor Parkway.

Photo 10

View of PG&E owned electrical transformer.

Photo 11

View of markings on electrical transformer.

Photo 12

View of front and east side of Site building.

Photo 13

View of parking lot. Looking southwest.

Photo 14

View of recycle bin in southeast corner of parking lot.

Photo 15

View of building located north of the Site. Looking northwest.

Photo 16

View of Business' located north of the Site. Looking north.

Photo 17

View looking east along the northern portion of the Site.

Photo 18

View looking south along the western portion of the Site.

Photo 19

View looking north from northwest corner of Site.

Photo 20

View looking east at Site Building.

Photo 21

View looking west at Chevron Station across Rossmoor Parkway.

Photo 22

Looking southwest from the Site to the intersection located on the southwest corner of the Site.

Photo 23

View of swale located east of Site.

Photo 24

View of Church, east of Site, on other side of the vegetated swale.

Photo 25

View of sign showing name of park south of site on opposite side of Tice Valley Boulevard.

Photo 26

View of Tice Valley Community park.

APPENDIX B

Provided Documents and Local Department Records

RECORDING REQUESTED BY
TRANSAMERICA TITLE INSURANCE CO.
1322 No. Main Street
Walnut Creek, California 94596

AND WHEN RECORDED MAIL TO

Name
Street Address
City State Zip
Continental Service Company
260 Fifth Street
San Francisco, Calif. 94103

80228
AUG 25 1972

AUG 25 1972
CONTRA COSTA CO.
TRANSFER TAX
PAID $ 393.25

BOOK 07134 PAGE 411
RECORDED AT REQUEST OF
TRANSAMERICA TITLE
INSURANCE CORPORATION
AUG 25 1972
At 40 Min. Past 12 M.
OFFICIAL RECORDS OF
CONTRA COSTA COUNTY
W. T. PAASCH
COUNTY RECORDER
FEE $ 4.00

SPACE ABOVE THIS LINE FOR RECORDER'S USE

MAIL TAX STATEMENTS TO

Name
Street Address
City State Zip
same as above

DOCUMENTARY TRANSFER TAX $ 393.25
COMPUTED ON FULL VALUE OF PROPERTY CONVEYED, OR
COMPUTED ON FULL VALUE LESS LIENS & ENCUMBRANCES
REMAINING THEREON AT TIME OF SALE.
Ruth D Rumbaugh TRANSAMERICA TITLE
SIGNATURE OF DECLARANT OR AGENT DETERMINING TAX · FIRM NAME
CITY OR ( ) UNINCORPORATED
TRANSFER TAX $

Rossmoor Dr Nana
#40 VITAL FILE

GRANT DEED
(CORPORATION)

(Escrow No. 340816 D)

By this instrument dated August 2, 1972, for a valuable consideration,

ROSSMOOR CORPORATION, a California corporation

hereby GRANTS to BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, a national banking association

the following described Real Property in the State of California, County of Contra Costa

City of Walnut Creek

SEE EXHIBIT "A" ATTACHED HERETO
AND MADE A PART HEREOF

SEAL AFFIXED

ROSSMOOR CORPORATION, a California corporation

BY: William V. March V.P.

BY:

STATE OF CALIFORNIA } SS.
COUNTY OF ORANGE }

On AUGUST 21, 1972, before me, the undersigned, a Notary Public in and for said County and State, personally appeared WILLIAM V. MARCH and LOUIS P. HELMREICH known to me to be the VICE PRESIDENT and ASSISTANT SECRETARY respectively of the Corporation that executed the within instrument on behalf of the Corporation therein named, and acknowledged to me that such Corporation executed the same.

OFFICIAL SEAL
W. M. RUSH
NOTARY PUBLIC-CALIFORNIA
ORANGE COUNTY
My Commission Expires Sept. 12, 1975

Notary's Signature

MAIL TAX STATEMENTS AS DIRECTED ABOVE

Form No. 341 Revised 9-67

Portion of Rancho San Ramon described as follows:

PARCEL ONE

Commencing at a point on the eastern line of Rossmoor Parkway, as described as Parcel One in the deed from State Mutual Life Assurance Company of America, a corporation, et al, to City of Walnut Creek, dated May 3, 1966, recorded May 26, 1966, book 5129, page 144, Official Records, distant thereon north 48° 35' east, 43.00 feet from the northeastern terminus of the curve having a radius of 450 feet, through a central angle of 36° 53' 10", a distance of 289.703 feet, as descirbed in said Parcel One of said deed; thence from said point of beginning along the easterly line of Rossmoor Parkway as follows: South 48° 35' west, 43.00 feet, southerly along the arc of a tangent curve to the left having a radius of 450 feet, through a central angle of 36° 53' 10", an arc distance of 289.703 feet to the general northern line of said City of Walnut Creek parcel, 5085 OR 42; thence along the last named line as follows: South 11° 41' 50" west, 18.81 feet; southerly along a tangent curve to the left having a radius of 140 feet an arc distance of 7.629 feet; south 08° 34' 30" west, 69.35 feet; southeasterly along a tangent curve to the left having a radius of 45 feet, an arc distance of 64.195 feet; south 73° 09' east, 37.888 feet; southeasterly along the arc of a tangent curve to the left having a radius of 140 feet, an arc distance of 12.566 feet and south 78° 18' 10" east, 183.889 feet to the general western line of the parcel of land described in the deed from Estand Inc., a Nevada corporation, to the Presbytery of San Francisco, a corporation, recorded March 4, 1959, book 3329, page 371, Official Records; thence northerly and easterly along the general western and northern line of the last named parcel of land, as follows: North 13° 17' 07" east, 4.120 feet; north 25° 35' 13" west, 43.625 feet; north 13° 06' 36" east, 78.990 feet; north 52° 11' 36" east, 38.995 feet; north 72° 41' 36" east, 29.996 feet; south 69° 30' 24" east, 16.998 feet; south 45° 56' 24" east, 45.994 feet; thence leaving said last mentioned line north 2° 20' 02" west, 170.42 feet; thence north 42° 42' 25" west, 252.00 feet to the point of beginning.

PARCEL TWO

The right of way reserved in the deed from Estand Inc., a Nevada corporation, to The Presbytery of San Francisco, a corporation, recorded March 4, 1959, book 3329, page 371, Series No. 14258, Official Records, described as follows:

A non-exclusive easement as an appurtenance to the remaining lands of the grantor for drainage purposes and for ingress and egress incidental thereto over a strip of land 20 feet in width adjacent and contiguous to the general northerly and westerly lines of the hereinabove described parcel and extending from Tice Valley Boulevard to said Hubbel parcel, book 80, page 207, Offical Records.

END OF DOCUMENT

Kossmoor
Excess
#40-1111

Grant Deed

For value received

BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION,
a national banking association

GRANT S to

SANTA BARBARA SAVINGS AND LOAN ASSOCIATION,
a California corporation

all that real property situate in the City of Walnut Creek

County of Contra Costa , State of California, described as follows:

See "Exhibit A" attached

Recorded 11/13/80

IN WITNESS WHEREOF, said corporation has executed these presents by its officers thereunto duly authorized, this 27th day of October, 1980

MAIL TAX BILLS TO:

_____

_____

_____

BANK OF AMERICA NATIONAL TRUST
AND SAVINGS ASSOCIATION

By _____
Vice President.

By _____
Vice President

PARCEL ONE:

BEGINNING AT A POINT ON THE EASTERN LINE OF ROSSMOOR PARKWAY, AS DESCRIBED AS PARCEL ONE IN THE DEED FROM STATE MUTUAL LIFE ASSURANCE COMPANY OF AMERICA, A CORPORATION, ET AL, TO CITY OF WALNUT CREEK, DATED MAY 3, 1966, RECORDED MAY 26, 1966, BOOK 5129, PAGE 144, OFFICIAL RECORDS, DISTANT THEREON NORTH 48 DEGREES 35 MINUTES EAST, 43.10 FEET FROM THE NORTHEASTERN TERMINUS OF THE CURVE HAVING A RADIUS OF 450 FEET, THROUGH A CENTRAL ANGLE OF 36 DEGREES 53 MINUTES 10 SECONDS, A DISTANCE OF 289.703 FEET, AS DESCRIBED IN SAID PARCEL ONE OF SAID DEED; THENCE FROM SAID POINT OF BEGINNING ALONG THE EASTERLY LINE OF ROSSMOOR PARKWAY AS FOLLOWS: SOUTH 48 DEGREES 07 MINUTES 31 SECONDS, WEST, 43.10 FEET, AND SOUTHERLY ALONG THE ARC OF A TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 450 FEET, THROUGH A CENTRAL ANGLE OF 09 DEGREES 49 MINUTES 39 SECONDS, AN ARC DISTANCE OF 77.16 FEET; THENCE SOUTH 42 DEGREES 42 MINUTES 25 SECONDS EAST, 253.00 FEET; THENCE SOUTH 38 DEGREES 32 MINUTES 11 SECONDS WEST, 223.55 FEET; THENCE SOUTH 78 DEGREES 18 MINUTES 10 SECONDS EAST, 125.00 FEET TO THE GENERAL WESTERN LINE OF THE PARCEL OF LAND DESCRIBED IN THE DEED FROM ESTAND, INC., A NEVADA CORPORATION, TO THE PRESBYTERY OF SAN FRANCISCO, A CORPORATION, RECORDED MARCH 4, 1959, BOOK 3329, PAGE 371, OFFICIAL RECORDS; THENCE NORTHERLY AND EASTERLY ALONG THE GENERAL WESTERN AND NORTHERN LINE OF THE LAST NAMED PARCEL OF LAND; AS FOLLOWS: NORTH 13 DEGREES 17 MINUTES 07 SECONDS EAST, 4.12 FEET; NORTH 25 DEGREES 35 MINUTES 13 SECONDS WEST, 43.63 FEET; NORTH 13 DEGREES 06 MINUTES 36 SECONDS EAST, 78.99 FEET; NORTH 52 DEGREES 11 MINUTES 36 SECONDS EAST, 39.00 FEET; NORTH 72 DEGREES 41 MINUTES 36 SECONDS EAST, 30.00 FEET; SOUTH 69 DEGREES 30 MINUTES 24 SECONDS EAST, 17.00 FEET; SOUTH 45 DEGREES 56 MINUTES 24 SECONDS EAST, 45.99 FEET; THENCE LEAVING SAID LAST MENTIONED LINE NORTH 2 DEGREES 20 MINUTES 02 SECONDS WEST, 170.42 FEET; THENCE NORTH 42 DEGREES 42 SECONDS 25 MINUTES WEST, 252.00 FEET TO THE POINT OF BEGINNING. BEING THE PARCEL OF LAND SHOWN AS PARCEL B ON EXHIBIT A ATTACHED TO DOCUMENT ENTITLED WAIVER OF PARCEL MAP RECORDED OCTOBER 7, 1980, IN BOOK 10038, PAGE 57, OFFICIAL

PARCEL TWO:

THE RIGHT OF WAY RESERVED IN THE DEED FROM ESTAND INC., A NEVADA CORPORATION, TO THE PRESBYTERY OF SAN FRANCISCO, A CORPORATION, RECORDED MARCH 4, 1959, BOOK 3329, PAGE 371, SERIES NO. 14258, OFFICIAL RECORDS, DESCRIBED AS FOLLOWS: A NON-EXCLUSIVE EASEMENT AS AN APPURTENANCE TO THE REMAINING LANDS OF THE GRANTOR FOR DRAINAGE PURPOSES AND FOR INGRESS AND EGRESS INCIDENTAL THERETO OVER A STRIP OF LAND 20 FEET IN WIDTH ADJACENT AND CONTIGUOUS TO THE GENERAL NORTHERLY AND WESTERLY LINES OF THE PARCEL OF LAND DESCRIBED IN THE DEED TO THE PRESBYTERY OF SAN FRANCISCO, RECORDED MARCH 4, 1959, IN BOOK 3329, PAGE 371, OFFICIAL RECORDS, AND EXTENDING FROM TICE VALLEY BOULEVARD TO THE PARCEL OF LAND DESCRIBED IN THE DEED TO L. HUBBELL, RECORDED MAY 13, 1927, IN BOOK 89, PAGE 207, OFFICIAL RECORDS.

ASSESSOR'S PARCEL NO.: 189-040-023

Exhibit "A"

Title Insurance Policy

No. SA 462293

Rossmoor
All Roads
VITAL FILE
#40-1111

Issued by

Transamerica Title Insurance Company

a California corporation, herein called the Company, for a valuable consideration paid for this policy, the number, the effective date, and amount of which are shown in Schedule A, hereby insures the parties named as Insured in Schedule A, the heirs, devisees, personal representatives of such Insured, or if a corporation, its successors by dissolution, merger or consolidation, against loss or damage not exceeding the amount stated in Schedule A, together with costs, attorneys' fees and expenses which the Company may become obligated to pay as provided in the Conditions and Stipulations hereof, which the Insured shall sustain by reason of:

1. Any defect in or lien or encumbrance on the title to the estate or interest covered hereby in the land described or referred to in Schedule A, existing at the date hereof, not shown or referred to in Schedule B or excluded from coverage in Schedule B or in the Conditions and Stipulations; or
2. Unmarketability of such title; or
3. Any defect in the execution of any mortgage shown in Schedule B securing an indebtedness, the owner of which is named as an Insured in Schedule A, but only insofar as such defect affects the lien or charge of said mortgage upon the estate or interest referred to in this policy; or
4. Priority over said mortgage, at the date hereof, of any lien or encumbrance not shown or referred to in Schedule B, or excluded from coverage in Schedule B or in the Conditions and Stipulations, said mortgage being shown in Schedule B in the order of its priority;

all subject, however, to the provisions of Schedules A and B and to the Conditions and Stipulations hereto annexed.

In Witness Whereof, the Company has caused its corporate name and seal to be hereunto affixed by its duly authorized officers on the date shown in Schedule A.

Transamerica Title Insurance Company

By [signature] President

Attest [signature] Secretary

SCHEDULE A

Amount $ 357,500.00	Premium $ 902.90	Policy No.	SA 462293
Effective Date	August 25, 1972 at 12:40 P. M.	Order No.	340816

INSURED

BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION,
A National Banking Association

1. The estate or interest in the land described or referred to in this schedule covered by this policy is a fee simple as to Parcel One; a right of way as to Parcel Two

2. Title to the estate or interest covered by this policy at the date hereof is vested in:

BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION,
a national banking association

SCHEDULE A—Continued

3. The land referred to in this policy is situated in the State of California, County of Contra Costa City of Walnut Creek, and is described as follows:

Portion of Rancho San Ramon, described as follows:

PARCEL ONE

Commencing at a point on the eastern line of Rossmoor Parkway, as described as Parcel One in the deed from State Mutual Life Assurance Company of America, a corporation, et al, to City of Walnut Creek, dated May 3, 1966, recorded May 26, 1966, book 5129, page 144, Official Records, distant thereon north 48° 35' east, 43.00 feet from the northeastern terminus of the curve having a radius of 450 feet, through a central angle of 36° 53' 10", a distance of 289.703 feet, as described in said Parcel One of said deed; thence from said point of beginning along the easterly line of Rossmoor Parkway as follows: South 48° 35' west, 43.00 feet, southerly along the arc of a tangent curve to the left having a radius of 450 feet, through a central angle of 36° 53' 10", an arc distance of 289.703 feet to the general northern line of said City of Walnut Creek parcel, 5085 OR 42; thence along the last named line as follows: South 11° 41' 50" west, 18.81 feet; southerly along a tangent curve to the left having a radius of 140 feet an arc distance of 7.629 feet; south 08° 34' 30" west, 69.35 feet; southeasterly along a tangent curve to the left having a radius of 45 feet, an arc distance of 64.195 feet; south 73° 09' east, 37.888 feet; southeasterly along the arc of a tangent curve to the left having a radius of 140 feet, an arc distance of 12.566 feet and south 78° 18' 10" east, 183.889 feet to the general western line of the parcel of land described in the deed from Estand Inc., a Nevada corporation, to the Presbytery of San Francisco, a corporation, recorded March 4, 1959, book 3329, page 371, Official Records; thence northerly and easterly along the general western and northern line of the last named parcel of land, as follows: North 13° 17' 07" east, 4.120 feet; north 25° 35' 13" west, 43.625 feet; north 13° 06' 36" east, 78.990 feet; north 52° 11' 36" east, 38.995 feet; north 72° 41' 36" east, 29.996 feet; south

(DESCRIPTION CONTINUED NEXT PAGE HEREIN)

69° 30' 24" east, 16.998 feet; south 45° 56' 24" east, 45.994 feet; thence leaving said last mentioned line north 2° 20' 02" west, 170.42 feet; thence north 42° 42' 25" west, 252.00 feet to the point of beginning.

PARCEL TWO

The right of way reserved in the deed from Estand Inc., a Nevada corporation, to The Presbytery of San Francisco, a corporation, recorded March 4, 1959, book 3329, page 371, Series No. 14258, Official Records, described as follows:

A non-exclusive easement as an appurtenance to the remaining lands of the grantor for drainage purposes and for ingress and egress incidental thereto over a strip of land 20 feet in width adjacent and contiguous to the general northerly and westerly lines of the hereinabove described parcel and extending from Tice Valley Boulevard to said Hubbel parcel, book 80, page 207, Offical Records.

The above described real property is located in the incorporated area of the City of Walnut Creek, County of Contra Costa.

This description waa drawn from information supplied to us by Bryan & Murphy Associates, Job No. 4729-1.

SCHEDULE B

This policy does not insure against loss or damage by reason of the following:

PART I

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
3. Easements, claims of easement or encumbrances which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.

PART II: Liens, encumbrances, defects and other matters affecting title to said land or to which said title is subject:

A.

TAXES for the fiscal year 1972-73, a lien not yet due and payable.

1.

COVENANTS, CONDITIONS AND RESTRICTIONS, but omitting restrictions, if any, based upon race, color, religion or national origin, as contained in instrument executed by Rossmoor Corporation, et al, recorded April 14, 1964, book 4595, page 323, Series No. 32576, Official Records, containing:

Mortgagee protection clause
No express forfeiture or reversion

Extending to January 1, 2008, with extension clause.

NOTE:
None of the restrictions or covenants shall apply to any of the described property which is developed or which is to be developed for commercial or recreational uses.

2.

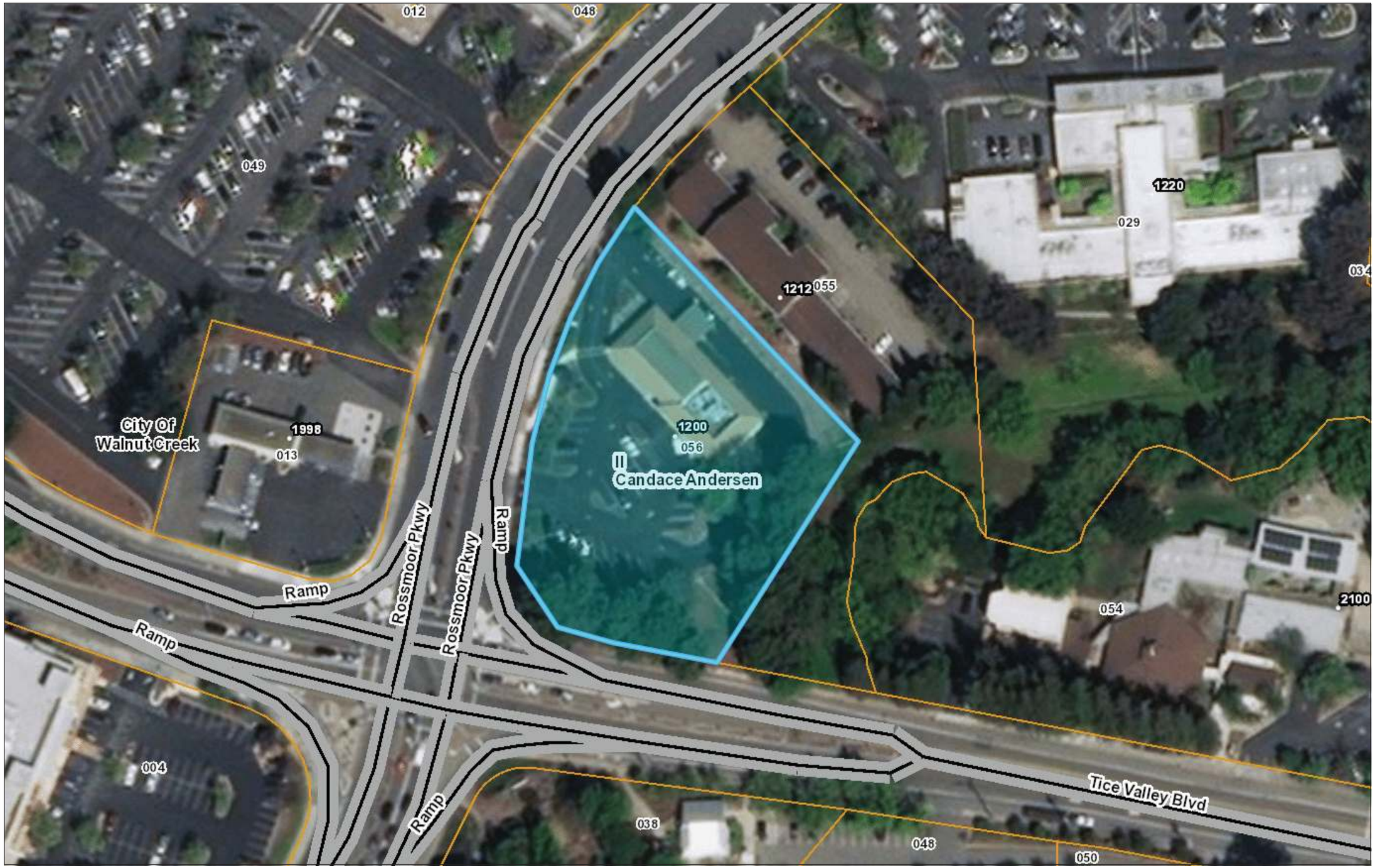
STORM DRAINAGE EASEMENTS, 18 inches and 42 inches and a 10 foot by 10 foot box culvert for drainage purposes as disclosed by a survey made by Bryan & Murphy Associates Inc., Job No. 4729-1.

3.

SANITARY SEWER EASEMENT, 8 inch pipe, as disclosed by said survey mentioned above.

NOTE:
TAXES for the fiscal year 1971-72 paid in full.

CA4-174: 1200 Rossmoor Pkwy., Walnut Creek, CA 94595



Legend

- City Limits
- Unincorporated
- Address Points
- Streets
- Board of Supervisors' Districts
- Water Bodies
- County Boundary
- Bay Area Counties
- Assessment Parcels
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations

1: 1,128

0.0 0 0.02 0.0 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes

Contra Costa County -DOIT GIS

Gus Kramer , County Assessor

General Information

Open Map

APN:
186-030-056-3

Situs Address:
1200 ROSSMOOR PKWY
WALNUT CREEK CA 94595-2501

Mailing Address:
101 N TRYON ST
CHARLOTTE NC 28246-0100

Legal Description:
POR RO SAN RAMON

Use Type:
BANK

Tax Rate Area: 009-000

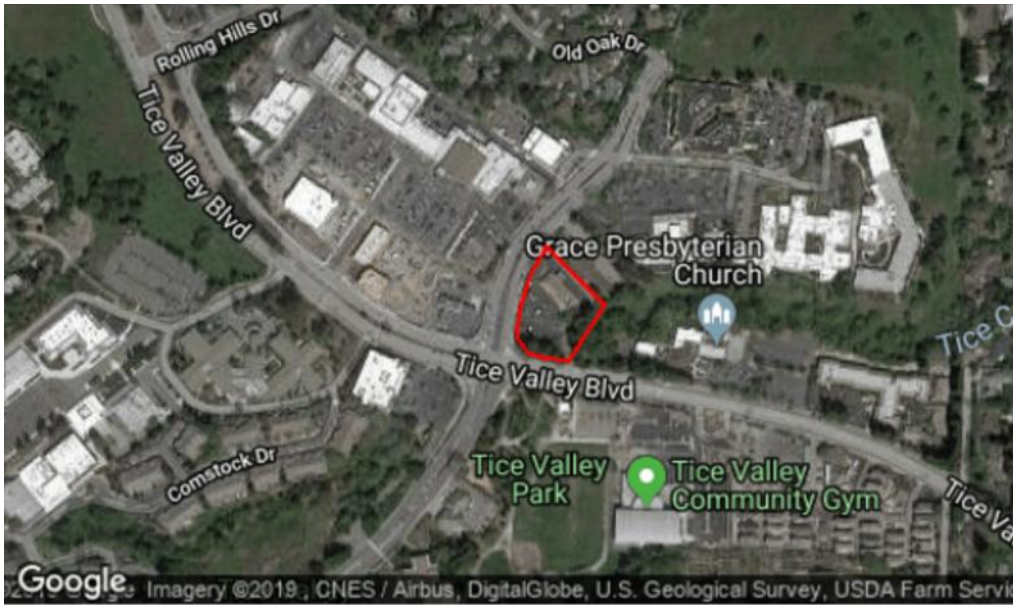
Assessment

Year Assd: 2018
Land:
Structure(s):
Other:
Total Land and Improv:
HO Exempt?: N
Exemption Amt:

Property Characteristics

Bedrooms:
Baths (Full):
Baths (Half):
Bldg/Liv Area: 5,225
Year Built: 1973
Lot Acres: 1.354
Lot SqFt: 58,980

Recent Sale History



Recording Date: View Sample View Sample
Document #: Not Available
Transfer Amount:

View More History

**The information provided here is deemed reliable, but is not guaranteed.

Soil Map—Contra Costa County, California
(CA4-174)

Map Scale: 1:1,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Contra Costa County, California
Survey Area Data: Version 15, Sep 14, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 11, 2015—Jun 17, 2015

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cc	Clear Lake clay, 0 to 15 percent slopes, MLRA 15	1.2	52.6%
CmE	Cut and fill land-Diablo complex, 9 to 30 percent slopes	1.1	47.4%
Totals for Area of Interest		**2.3**	**100.0%**

Contra Costa County, California

Cc—Clear Lake clay, 0 to 15 percent slopes, MLRA 15

Map Unit Setting

National map unit symbol: 2vbsq
Elevation: 0 to 1,060 feet
Mean annual precipitation: 13 to 32 inches
Mean annual air temperature: 57 to 61 degrees F
Frost-free period: 260 to 300 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Clear lake and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Clear Lake

Setting

Landform: Basin-floor remnants
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey alluvium derived from metamorphic and sedimentary rock

Typical profile

Ap - 0 to 5 inches: clay
Ass - 5 to 20 inches: clay
Bss - 20 to 30 inches: clay
Bkss1 - 30 to 46 inches: clay
Bkss2 - 46 to 60 inches: clay

Properties and qualities

Slope: 0 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: Frequent
Calcium carbonate, maximum in profile: 4 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.5 to 3.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 7.0
Available water storage in profile: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): 2w
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Pescadero

Percent of map unit: 4 percent
Landform: Depressions
Hydric soil rating: Yes

Cropley

Percent of map unit: 4 percent
Hydric soil rating: No

Conejo

Percent of map unit: 4 percent
Hydric soil rating: No

Unnamed

Percent of map unit: 3 percent
Landform: Strand plains
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Contra Costa County, California
Survey Area Data: Version 15, Sep 14, 2018

Contra Costa County, California

CmE—Cut and fill land-Diablo complex, 9 to 30 percent slopes

Map Unit Setting

National map unit symbol: h98n
Elevation: 400 to 1,200 feet
Mean annual precipitation: 14 to 20 inches
Mean annual air temperature: 59 degrees F
Frost-free period: 260 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Cut and fill land (fill part): 75 percent
Diablo and similar soils: 15 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cut And Fill Land (fill Part)

Typical profile

- 0 to 60 inches: silty clay

Description of Diablo

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 29 inches: clay
H2 - 29 to 42 inches: silty clay
H3 - 42 to 46 inches: weathered bedrock

Properties and qualities

Slope: 9 to 30 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 6.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Altamont

Percent of map unit: 10 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Contra Costa County, California
Survey Area Data: Version 15, Sep 14, 2018

National Flood Hazard Layer FIRMette

FEMA

0 250 500 1,000 1,500 2,000 Feet

1:6,000 B-90

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

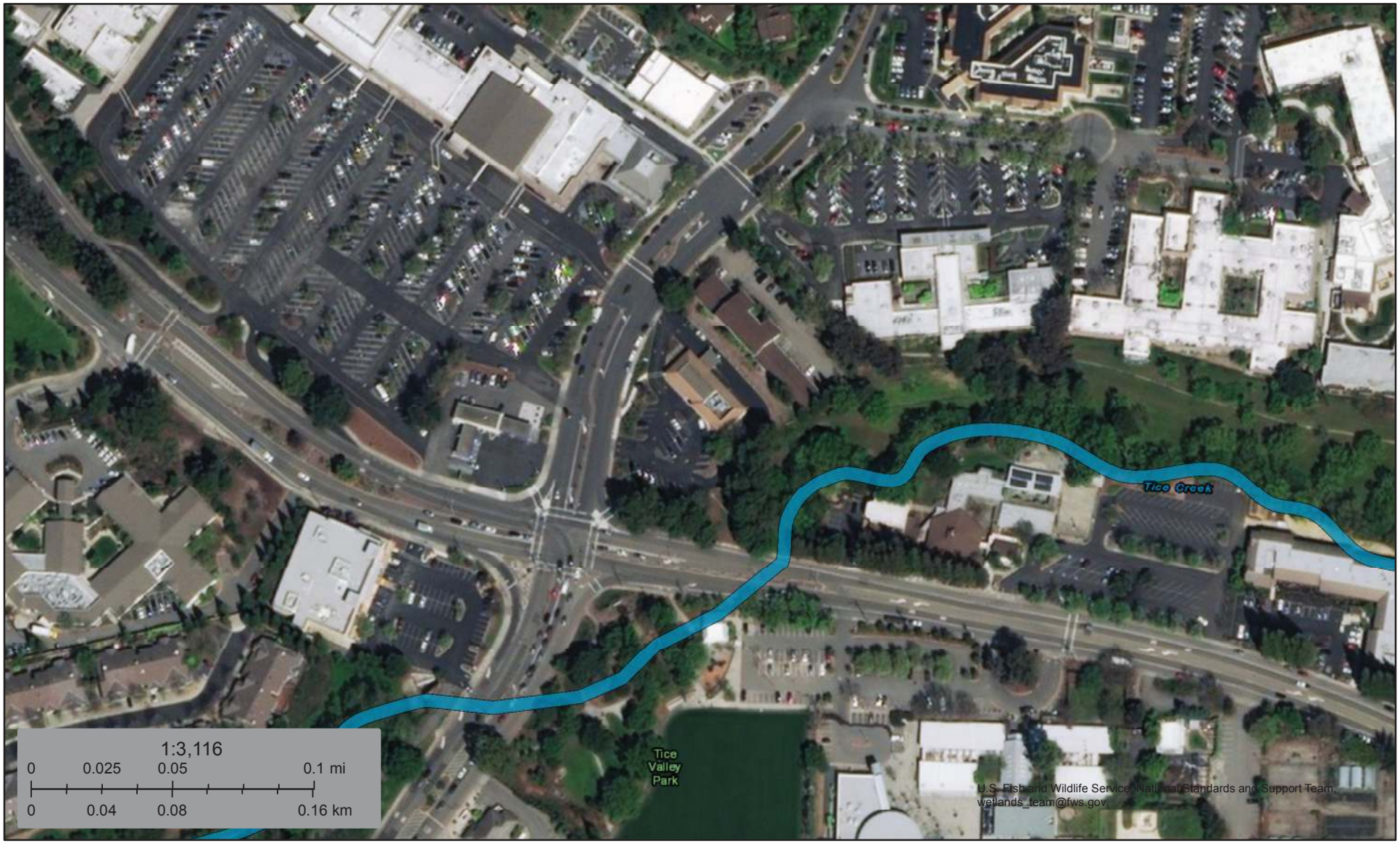
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/19/2019 at 4:42:48 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service
National Wetlands Inventory

CA4-174: 1200 Rossmoor Pkwy.



March 19, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX C

User Questionnaire

USER PROVIDED INFORMATION QUESTIONNAIRE

Instructions: Please answer the following questions to the best of User's ability, and provide relevant documentation as requested and/or is necessary. It should be noted that if the User cannot provide some or all of the information requested in this questionnaire, Wood must include the missing information as a data gap in the Phase I ESA report. For clarity, User is defined in the ASTM standard as "the party seeking to use practice E 1527 to complete an environmental assessment of the property".

USER PROVIDED INFORMATION

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 conduct the following inquiries required by 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry), and ASTM E 1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process).

The user should provide the following information to the Environmental Professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not completed.

Business Name of User: Bank of America

User Contact Name and Phone Number: Sharon Lyons, 925-872-9060

Wood Project Number and Name (if known):

Site/Property Address: 1200 Rossmoor Parkway, Walnut Creek, CA 94595-3629

Wood requests that the Client provide contact information for key Site managers and other individuals, as available, including past and present owners and operators who are likely to have material information regarding the potential for contamination at the Site.

Site Manager (Name/Contact Information): Deborah Kitts, FCM
925-944-3629
deborah.r.kitts@bankofamerica.com

Current Owner (Name/Contact Information): Bank of America

Past Owner(s) (Names/Contact Information): Unknown

Please complete and email to Mr. David Carden at david.carden@woodplc.com Thank you!

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

NOTE 1—In certain jurisdictions, federal, tribal, state or local statutes, or requlations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and land use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? If yes, please provide details and documentation. If no, please provide sources referenced.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, please provide details.

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

(5.) Commonly known as reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

(a.) Do you know the past uses of the property? If yes, please provide details.

(b.) Do you know of specific chemicals that are present or once were present at the property? If yes, please provide details.

(c.) Do you know of spills or other chemical releases that have taken place at the property? If yes, please provide details.

(d.) Do you know of any environmental cleanups that have taken place at the property? If yes, please provide details.

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *User* of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? If yes, please provide details.

COMPLETED BY:

Name: Sharon Lyons Title: Property Manager Date: 3/8/19

Representing User: _____

APPENDIX D

EDR Radius Map Report with Geocheck

CA4-174
1200 Rossmoor Parkway
Walnut Creek, CA 94595

Inquiry Number: 5578638.20s
March 04, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	149
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
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.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1200 ROSSMOOR PARKWAY
WALNUT CREEK, CA 94595

COORDINATES

Latitude (North):	37.8771230 - 37˚ 52' 37.64''
Longitude (West):	122.0709640 - 122˚ 4' 15.47''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	581705.7
UTM Y (Meters):	4192383.0
Elevation:	234 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641124 WALNUT CREEK, CA
Version Date:	2012
South Map:	5640618 LAS TRAMPAS RIDGE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606, 20140608
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1200 ROSSMOOR PARKWAY
WALNUT CREEK, CA 94595

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CHEVRON STATION NO 9	1998 TICE VALLEY BLV	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	298, 0.056, West
A2	CHEVRON STATION #927	1998 TICE VALLEY BLV	LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, ENF...	Higher	298, 0.056, West
A3	92709	1998 TICE VALLEY BLV	HIST UST	Higher	298, 0.056, West
A4	AL STEELES CHEVRON S	1998 TICE VALLEY BL	EDR Hist Auto	Higher	298, 0.056, West
A5	CHEVRON STATION #927	1998 TICE VALLEY BLV	UST	Higher	298, 0.056, West
6	SAFEWAY 0697	1980 TICE VALLEY BLV	CERS HAZ WASTE, HAZNET, CONTRA COSTA CO. SITE...	Higher	463, 0.088, West
B7	RITE AID #5947	1997 TICE VALLEY BLV	RCRA-LQG	Higher	482, 0.091, WSW
B8	LEOS ROSSMOOR UNI-CA	1997 TICE VALLEY BLV	EDR Hist Auto	Higher	482, 0.091, WSW
B9	RITE AID #5947	1997 TICE VALLEY BLV	RCRA-CESQG, HIST UST	Higher	482, 0.091, WSW
B10	RITE AID #5947	1997 TICE VALLEY BLV	CERS HAZ WASTE, HAZNET	Higher	482, 0.091, WSW
B11	UNION OIL SS6098	1997 TICE VALLEY BLV	HIST UST	Higher	482, 0.091, WSW
B12	UNOCAL SERVICE STATI	1997 TICE VALLEY BLV	LUST, SWEEPS UST, HIST UST, CA FID UST, HIST...	Higher	482, 0.091, WSW
C13	CVS PHARMACY #9324	1960 TICE VALLEY BLV	CONTRA COSTA CO. SITE LIST	Higher	690, 0.131, West
C14	CVS PHARMACY #9324	1960 TICE VALLEY BLV	CERS HAZ WASTE, CERS	Higher	690, 0.131, West
C15	SPARKLIZING CLEANERS	1958 TICE VALLEY BLV	CPS-SLIC, BROWNFIELDS, CERS HAZ WASTE,...	Higher	713, 0.135, West
C16	SPARKLIZING CLEANERS	1958 TICE VALLEY BOU	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	713, 0.135, West
17	WALNUT CREEK SKILLED	1224 ROSSMOOR PKWY	CERS HAZ WASTE, CONTRA COSTA CO. SITE LIST	Higher	783, 0.148, ENE
18	CONTRA COSTA COUNTY	1520 ROSSMOOR PARKWA	EMI, CONTRA COSTA CO. SITE LIST, CERS	Higher	784, 0.148, SSW
19	PULTE GROUP	2071 TICE VALLEY BLV	HAZNET, CONTRA COSTA CO. SITE LIST	Lower	844, 0.160, ESE
20	U D C HOMES	1717 ROSSMOOR PKY	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, CONTRA...	Higher	1164, 0.220, SW
D21	CVS PHARMACY #9324	1914 TICE VALLEY BLV	RCRA-LQG	Lower	1192, 0.226, WNW
D22	CVS PHARMACY #9324	1914 TICE VALLEY BLV	CONTRA COSTA CO. SITE LIST	Lower	1192, 0.226, WNW
23	DEL VALLE EDUCATIONA	1963 TICE VALLEY BOU	NPDES, CONTRA COSTA CO. SITE LIST, CIWQS	Higher	1215, 0.230, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ---- EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing

HAZNET Facility and Manifest Data
ICE ICE
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
WIP Well Investigation Program Case List
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #5947 EPA ID:: CAL000380160	1997 TICE VALLEY BLV	WSW 0 - 1/8 (0.091 mi.)	B7	73

Lower Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #9324 EPA ID:: CAR000228742	1914 TICE VALLEY BLV	WNW 1/8 - 1/4 (0.226 mi.)	D21	135

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION NO 9 EPA ID:: CAR000123810	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A1***	***8***
SPARKLIZING CLEANERS EPA ID:: CAD981582653	***1958 TICE VALLEY BOU***	***W 1/8 - 1/4 (0.135 mi.)***	***C16***	***119***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #5947	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B9***	***76***

EPA ID:: CAD981991516

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Open - Site Assessment Facility Id: 07-0789 Facility Status: Preliminary site assessment workplan submitted Global Id: T0601300733				
UNOCAL SERVICE STATI	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 07-0354 Facility Status: Case Closed Global Id: T0601300331 date9: 12/12/1996				
U D C HOMES	***1717 ROSSMOOR PKY***	***SW 1/8 - 1/4 (0.220 mi.)***	***20***	***132***
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 07-0335 Facility Status: Case Closed Global Id: T0601300313 date9: 3/4/1997				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLIZING CLEANERS	***1958 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.135 mi.)***	***C15***	***104***
Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Open - Assessment & Interim Remedial Action Global Id: T10000004671				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927 Database: UST, Date of Government Version: 12/10/2018 Facility Id: 07-000-762304	1998 TICE VALLEY BLV	W 0 - 1/8 (0.056 mi.)	A5	67

State and tribal Brownfields sites

BROWNFIELDS: A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

A review of the BROWNFIELDS list, as provided by EDR, and dated 12/20/2018 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLIZING CLEANERS	***1958 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.135 mi.)***	***C15***	***104***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/22/2018 has revealed that there are 6 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***
SAFEWAY 0697	***1980 TICE VALLEY BLV***	***W 0 - 1/8 (0.088 mi.)***	***6***	***67***
RITE AID #5947	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B10***	***82***
CVS PHARMACY #9324	***1960 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.131 mi.)***	***C14***	***100***
SPARKLIZING CLEANERS	***1958 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.135 mi.)***	***C15***	***104***
WALNUT CREEK SKILLED	***1224 ROSSMOOR PKWY***	***ENE 1/8 - 1/4 (0.148 mi.)***	***17***	***123***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927 Status: A Tank Status: A Comp Number: 62304	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***
UNOCAL SERVICE STATI Status: A Comp Number: 54268	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***
U D C HOMES Comp Number: 18545	***1717 ROSSMOOR PKY***	***SW 1/8 - 1/4 (0.220 mi.)***	***20***	***132***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
92709 Facility Id: 00000062304	1998 TICE VALLEY BLV	W 0 - 1/8 (0.056 mi.)	A3	65
RITE AID #5947 Facility Id: 00000060665	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B9***	***76***
UNION OIL SS6098 Facility Id: 00000054268	1997 TICE VALLEY BLV	WSW 0 - 1/8 (0.091 mi.)	B11	89
UNOCAL SERVICE STATI	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/22/2018 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL SERVICE STATI	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***
Facility Id: 07000447				
Status: A				
U D C HOMES	***1717 ROSSMOOR PKY***	***SW 1/8 - 1/4 (0.220 mi.)***	***20***	***132***
Facility Id: 07000415				
Status: I				

Other Ascertainable Records

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLIZING CLEANERS	***1958 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.135 mi.)***	***C15***	***104***
Database: DRYCLEANERS, Date of Government Version: 08/30/2018				
EPA Id: CAL000282935				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***
Reg Id: 07-0789				
UNOCAL SERVICE STATI	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***
Reg Id: 07-0354				
U D C HOMES	***1717 ROSSMOOR PKY***	***SW 1/8 - 1/4 (0.220 mi.)***	***20***	***132***
Reg Id: 07-0335				

EXECUTIVE SUMMARY

CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 11/26/2018 has revealed that there are 11 CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION #927 Facility Id: FA0032504	***1998 TICE VALLEY BLV***	***W 0 - 1/8 (0.056 mi.)***	***A2***	***11***
SAFEWAY 0697 Facility Id: FA0031716	***1980 TICE VALLEY BLV***	***W 0 - 1/8 (0.088 mi.)***	***6***	***67***
UNOCAL SERVICE STATI Facility Id: FA0032400 Facility Id: FA0030121	***1997 TICE VALLEY BLV***	***WSW 0 - 1/8 (0.091 mi.)***	***B12***	***90***
CVS PHARMACY #9324 Facility Id: FA0041440	1960 TICE VALLEY BLV	W 1/8 - 1/4 (0.131 mi.)	C13	100
SPARKLIZING CLEANERS Facility Id: FA0033228	***1958 TICE VALLEY BLV***	***W 1/8 - 1/4 (0.135 mi.)***	***C15***	***104***
WALNUT CREEK SKILLED Facility Id: FA0041085	***1224 ROSSMOOR PKWY***	***ENE 1/8 - 1/4 (0.148 mi.)***	***17***	***123***
CONTRA COSTA COUNTY Facility Id: FA0029891	***1520 ROSSMOOR PARKWA***	***SSW 1/8 - 1/4 (0.148 mi.)***	***18***	***125***
U D C HOMES Facility Id: FA0031860	***1717 ROSSMOOR PKY***	***SW 1/8 - 1/4 (0.220 mi.)***	***20***	***132***
DEL VALLE EDUCATIONA Facility Id: FA0027854	***1963 TICE VALLEY BOU***	***WNW 1/8 - 1/4 (0.230 mi.)***	***23***	***142***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PULTE GROUP Facility Id: FA0031688	***2071 TICE VALLEY BLV***	***ESE 1/8 - 1/4 (0.160 mi.)***	***19***	***131***
CVS PHARMACY #9324 Facility Id: FA0031062	1914 TICE VALLEY BLV	WNW 1/8 - 1/4 (0.226 mi.)	D22	141

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto

sites within approximately 0.125 miles of the target property.

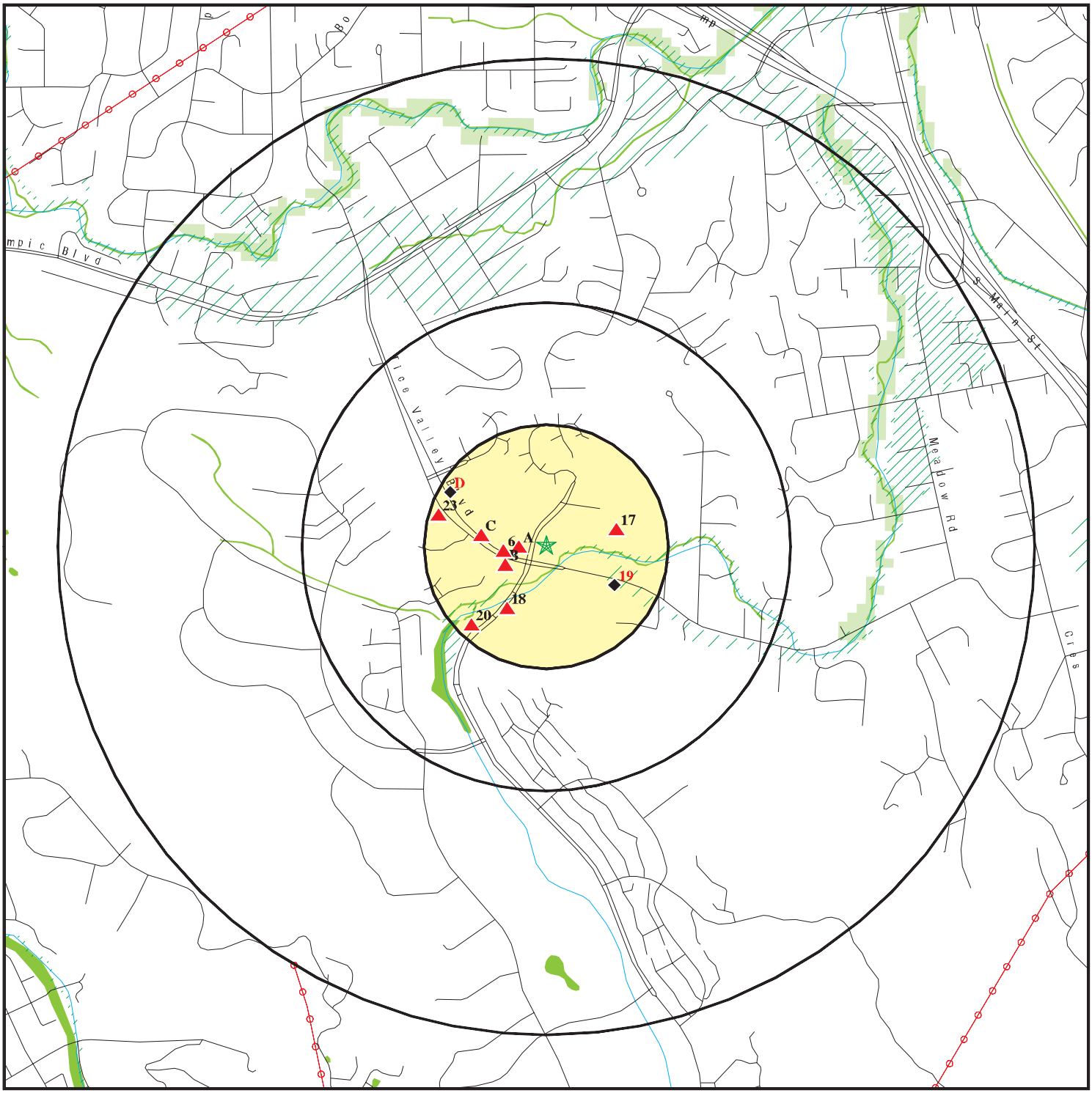
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AL STEELES CHEVRON S	1998 TICE VALLEY BL	W 0 - 1/8 (0.056 mi.)	A4	66
LEOS ROSSMOOR UNI-CA	1997 TICE VALLEY BLV	WSW 0 - 1/8 (0.091 mi.)	B8	76

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
CHRISTIANSEN SITE	ENVIROSTOR

OVERVIEW MAP - 5578638.20S

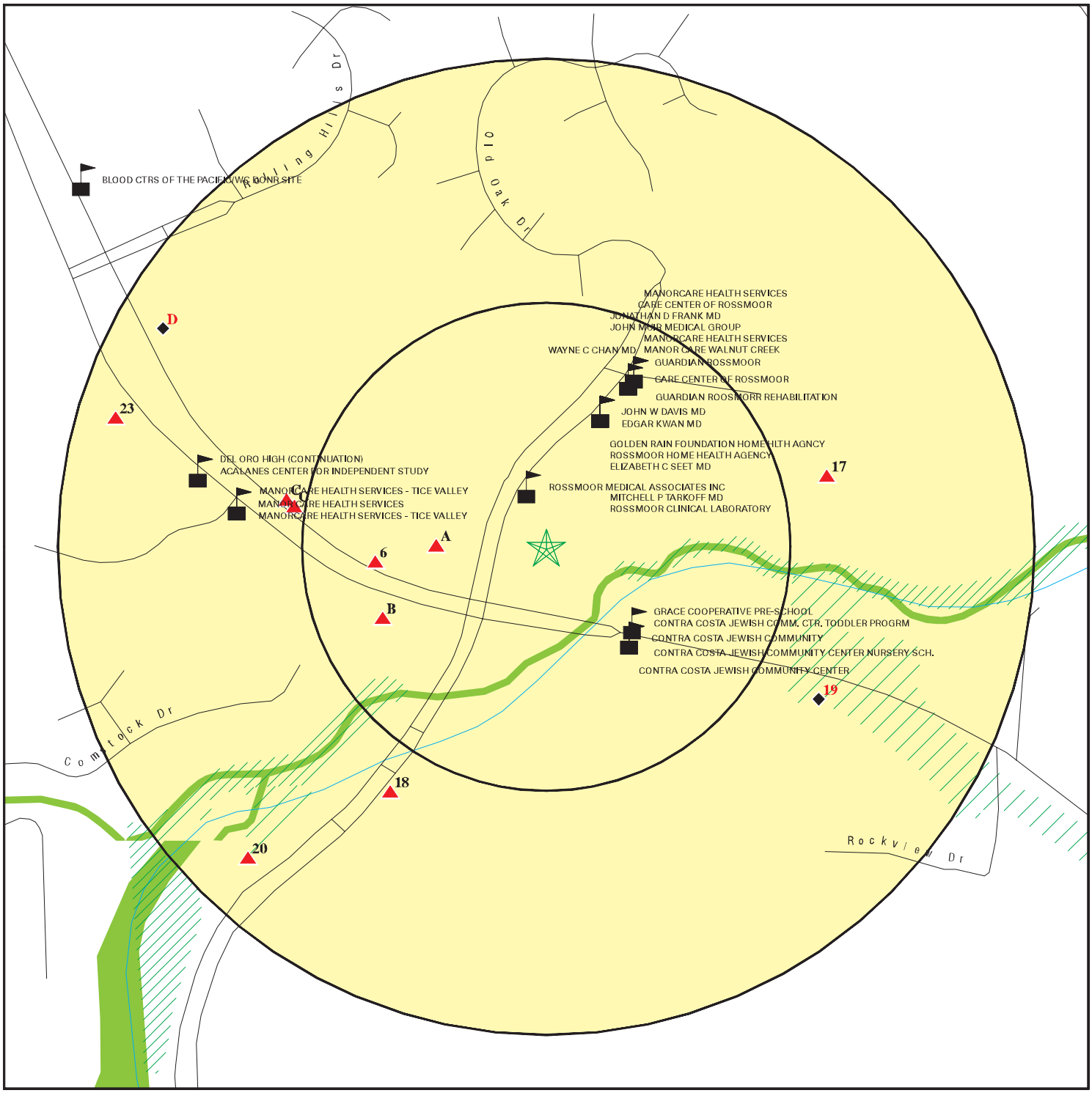


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
		INQUIRY #:	5578638.20s
LAT/LONG:	37.877123 / 122.070964	DATE:	March 04, 2019 11:38 am

DETAIL MAP - 5578638.20S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
LAT/LONG:	37.877123 / 122.070964	INQUIRY #:	5578638.20s
		DATE:	March 04, 2019 11:42 am

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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		2	1	0	NR	NR	3

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	0	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	1	0	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	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	3	NR	NR	NR	6
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	1	NR	NR	NR	3
HIST UST	0.250		4	0	NR	NR	NR	4
CERS TANKS	0.250		1	0	NR	NR	NR	1
CA FID UST	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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
DEED	0.500		0	0	0	NR	NR	0
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		0	0	NR	NR	NR	0
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
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	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		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1

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
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	1	0	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
CONTRA COSTA CO. SITE LIST	0.250		3	8	NR	NR	NR	11
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
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
WIP	0.250		0	0	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
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
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
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	24	20	0	0	0	44

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 West < 1/8 0.056 mi. 298 ft. | **CHEVRON STATION NO 92709**
1998 TICE VALLEY BLVD
WALNUT CREEK, CA 94595
Site 1 of 5 in cluster A

Database(s): **RCRA-SQG, FINDS, ECHO, HAZNET**
EDR ID Number: **1006805131**
EPA ID Number: **CAR000123810**

Relative: Higher
Actual: 263 ft.

RCRA-SQG:

Date form received by agency:	06/17/2002
Facility name:	CHEVRON STATION NO 92709
Facility address:	1998 TICE VALLEY BLVD WALNUT CREEK, CA 94595-2203
EPA ID:	CAR000123810
Mailing address:	P O BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY NORRIS
Contact address:	P O BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	925-842-5931
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON PRODUCTS CO
Owner/operator address:	P O BOX 6004 SAN RAMON, CA 94583
Owner/operator country:	Not reported
Owner/operator telephone:	925-842-5931
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CHEVRON STATION NO 92709 (Continued) **1006805131**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110013309856

Environmental Interest/Information System
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.

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

Registry ID: 110066646339

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1006805131
Registry ID: 110013309856
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110013309856

HAZNET:
Facility Name: DBA ROSSMOOR CHEVRON AUTO CARE
envid: 1006805131
Year: 2017
GEPAID: CAL000292608
Contact: LAYNE STATNER
Telephone: 9259440899
Mailing Name: Not reported
Mailing Address: 1998 TICE VALLEY BLVD
Mailing City,St,Zip: WALNUT CREEK, CA 945950000

CHEVRON STATION NO 92709 (Continued) **1006805131**

Gen County:	Contra Costa
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0375
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Contra Costa
envid:	1006805131
Year:	2017
GEPAID:	CAR000123810
Contact:	KWAME AWUKU
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Contra Costa
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.294
Cat Decode:	Aqueous solution with total organic residues less than 10 percent
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Contra Costa
envid:	1006805131
Year:	2017
GEPAID:	CAR000123810
Contact:	KWAME AWUKU
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Contra Costa
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0375
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Contra Costa
envid:	1006805131
Year:	2016
GEPAID:	CAR000123810
Contact:	KWAME AWUKU
Telephone:	8773866044

CHEVRON STATION NO 92709 (Continued) **1006805131**

Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Contra Costa
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.105
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

envid:	1006805131
Year:	2015
GEPAID:	CAR000123810
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Contra Costa
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

Click this hyperlink while viewing on your computer to access
15 additional CA_HAZNET: record(s) in the EDR Site Report.

A2 **CHEVRON STATION #92709** **LUST** **S103639461**
West **1998 TICE VALLEY BLVD** **CERS HAZ WASTE** **N/A**
< 1/8 **WALNUT CREEK, CA 94595** **SWEEPS UST**
0.056 mi. **CERS TANKS**
298 ft. **Site 2 of 5 in cluster A** **ENF**
HIST CORTESE
Relative: Higher **CONTRA COSTA CO. SITE LIST**
CERS
Actual: 263 ft.

LUST:

Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300733
Global Id:	T0601300733
Latitude:	37.877167
Longitude:	-122.071988
Status:	Open - Site Assessment
Status Date:	06/01/2000
Case Worker:	KEB
RB Case Number:	07-0789
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Local Case Number: 62304
Potential Media Affect: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Surface water, Under Investigation
Potential Contaminants of Concern: Dichloroethane (DCA), Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Benzene
Site History: The site's land use as a retail service station dates back to the late 1960s, prior to which the property was vacant. Standard Oil and its successor, Chevron U.S.A. Inc., has leased the property for decades. The onsite building is also used as a commercial automobile repair shop which contains three garage doors. The current site configuration consists of three 10,000-gallon unleaded gasoline underground storage tanks (USTs).A single-walled, steel, 1,000-gallon used oil UST located near the northeastern corner of the station building was removed in 1998 (Cambria 2006), and oil was observed in the tank cavity, resulting in the removal of 40 cubic yards of impacted soil to a depth of approximately 8.5 feet below ground surface (bgs). Water as observed in the tank pit, but was not sampled. At the direction of the Contra Costa County Health Services Department/Hazardous Materials Division, confirmatory post-excavation samples were analyzed for various compounds, including petroleum hydrocarbons and, because waste oils from the automotive repair station were stored in the UST, chlorinated hydrocarbons. The test results indicated the presence of very high concentrations of petroleum hydrocarbons and also chlorinated hydrocarbons, including tetrachloroethylene (PCE) at high concentrations (up to 11 mg/kg). The excavated, contaminated soil/bedrock was shipped to a Class I waste disposal facility in Port Arthur, Texas. As demonstrated by the confirmatory side wall samples, significant mass of pollutants were left in soil after the UST was removed. In addition, a release of approximately 4 gallons of unleaded gasoline occurred during a vapor recovery system upgrade in 2009. The excavation to remove the petroleum-impacted materials was halted at 2 feet due to hard bedrock. In the summer of 2013, the station was upgraded with new product dispensers, product lines, and new concrete surfaces. Excavations extended to over 3 feet below grade, and hard, fractured siltstones and sandstones were observed (but no groundwater entered the excavations). Soil vapor sampling conducted at the site has detected multiple chlorinated compounds and very high concentrations of TPH-gasoline and TPH-diesel. A 1,2-DCA groundwater plume underlies the service station building, but no vapor samples have been collected beneath the structure. There is an unknown risk for vapor intrusion at the site. The properties immediately adjacent to the site are commercial. The site is bounded on the north and west by the Rossmoor Shopping Center parking lot, on the south by Tice Valley Boulevard and a retail store parking lot beyond, on the southeast by the Tice Valley Boulevard-Rossmoor Parkway intersection and Tice Valley Park beyond, and on the east by Rossmoor Parkway and a bank located across the parkway. Tice Creek is located within a culvert directly south of the site.

LUST:
Global Id: T0601300733
Contact Type: Regional Board Caseworker
Contact Name: KEVIN BROWN
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: kebrown@waterboards.ca.gov
Phone Number: Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Global Id: T0601300733
Contact Type: Local Agency Caseworker
Contact Name: SUE LOYD
Organization Name: CONTRA COSTA COUNTY
Address: 4333 PACHECO BLVD.
City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:
Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 09/09/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/03/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: Other
Date: 04/24/1998
Action: Leak Reported

Global Id: T0601300733
Action Type: RESPONSE
Date: 01/30/2007
Action: Other Workplan

Global Id: T0601300733
Action Type: RESPONSE
Date: 07/31/2012
Action: Correspondence

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 03/11/2005
Action: Staff Letter

Global Id: T0601300733
Action Type: RESPONSE
Date: 06/27/2013
Action: Request for Closure - Regulator Responded

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/28/2016
Action: File Review - Closure

Global Id: T0601300733
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE

CHEVRON STATION #92709 (Continued) **S103639461**

Date: 10/05/1998
Action: Unknown

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/26/2000
Action: 13267 Requirement

Global Id: T0601300733
Action Type: RESPONSE
Date: 10/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 01/31/2008
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 03/07/2013
Action: Other Report / Document

Global Id: T0601300733
Action Type: RESPONSE
Date: 02/19/2013
Action: Other Report / Document

Global Id: T0601300733
Action Type: RESPONSE
Date: 07/25/2017
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 05/08/2001
Action: * Historical Enforcement

Global Id: T0601300733
Action Type: RESPONSE
Date: 12/30/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/30/2009
Action: 13267 Monitoring Program

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/29/2009
Action: 13267 Requirement

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/25/2009
Action: 13267 Monitoring Program

CHEVRON STATION #92709 (Continued) **S103639461**

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 05/20/2009
Action: 13267 Monitoring Program

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/22/2015
Action: Site Visit / Inspection / Sampling

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 02/22/2018
Action: Email Correspondence

Global Id: T0601300733
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 05/21/2008
Action: Other Report / Document

Global Id: T0601300733
Action Type: RESPONSE
Date: 05/15/2007
Action: Other Report / Document

Global Id: T0601300733
Action Type: RESPONSE
Date: 07/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 01/31/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0601300733
Action Type: RESPONSE
Date: 12/11/2012
Action: Other Report / Document

Global Id: T0601300733
Action Type: RESPONSE
Date: 12/13/2013
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0601300733
Action Type: ENFORCEMENT

CHEVRON STATION #92709 (Continued) **S103639461**

Date: 06/28/2004
Action: Staff Letter

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 08/10/2011
Action: 13267 Requirement

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 12/06/2011
Action: 13267 Requirement

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/11/2000
Action: Staff Letter

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/08/2000
Action: Staff Letter

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/21/2013
Action: Site Visit / Inspection / Sampling

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/05/1998
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 12/12/2012
Action: Staff Letter

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 03/12/2013
Action: Site Visit / Inspection / Sampling

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/04/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/04/2013
Action: Staff Letter

CHEVRON STATION #92709 (Continued) **S103639461**

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 08/23/2013
Action: File Review - Closure

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 09/09/2012
Action: File Review - Closure

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: File Review - Closure

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/18/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 03/04/2013
Action: File Review - Closure

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 09/22/2000
Action: Staff Letter

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/04/2016
Action: Meeting

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 10/04/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: RESPONSE
Date: 01/23/2009
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE
Date: 05/31/2005
Action: Well Installation Report

Global Id: T0601300733
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0601300733
Action Type: RESPONSE

CHEVRON STATION #92709 (Continued) **S103639461**

Date: 10/27/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 04/26/2000
Action: Notice to Comply

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 02/12/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 01/24/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/11/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 06/25/2015
Action: File Review - Closure

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 04/10/2014
Action: Site Visit / Inspection / Sampling

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 02/24/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 11/24/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 04/30/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 07/19/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300733
Action Type: RESPONSE
Date: 03/30/2010
Action: Monitoring Report - Quarterly

CHEVRON STATION #92709 (Continued) **S103639461**

Global Id:	T0601300733
Action Type:	RESPONSE
Date:	03/16/2015
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/15/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	08/30/2004
Action:	Well Installation Report
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	11/02/2006
Action:	13267 Monitoring Program
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/30/2006
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/31/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	02/14/2001
Action:	Soil and Water Investigation Report
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/29/2015
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/29/2015
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	02/21/2007
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	01/24/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	Other

CHEVRON STATION #92709 (Continued) **S103639461**

Date: 04/20/1998
Action: Leak Discovery

Global Id: T0601300733
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 04/03/2008
Action: 13267 Requirement

Global Id: T0601300733
Action Type: ENFORCEMENT
Date: 09/09/2015
Action: 13267 Requirement

Global Id: T0601300733
Action Type: Other
Date: 04/20/1998
Action: Leak Stopped

Global Id: T0601300733
Action Type: RESPONSE
Date: 10/31/2011
Action: Other Workplan

Global Id: T0601300733
Action Type: RESPONSE
Date: 10/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0601300733
Action Type: RESPONSE
Date: 04/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0601300733
Action Type: RESPONSE
Date: 04/30/2012
Action: Site Assessment Report

Global Id: T0601300733
Action Type: RESPONSE
Date: 03/29/2012
Action: Correspondence

Global Id: T0601300733
Action Type: RESPONSE
Date: 02/12/2001
Action: Soil Vapor Intrusion Investigation Report

LUST:
Global Id: T0601300733
Status: Open - Case Begin Date
Status Date: 04/20/1998

CHEVRON STATION #92709 (Continued) **S103639461**

Global Id: T0601300733
Status: Open - Site Assessment
Status Date: 09/08/1999

Global Id: T0601300733
Status: Open - Site Assessment
Status Date: 06/01/2000

LUST REG 2:
Region: 2
Facility Id: 07-0789
Facility Status: Preliminary site assessment workplan submitted
Case Number: 62304
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 9/8/1999
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 6/1/2000
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CERS HAZ WASTE:
Site ID: 18412
CERS ID: 10008037
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-02-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 10/28/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-07-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-07-2018

CHEVRON STATION #92709 (Continued) **S103639461**

Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency

CHEVRON STATION #92709 (Continued) **S103639461**

response/contingency plan, otherwise previous form or Chevron form for Hazardous Materials Business Plan [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-07-2018
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: OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-21-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 09/21/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-21-2016
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 09/22/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/28/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST

CHEVRON STATION #92709 (Continued) **S103639461**

Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 07-17-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-01-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-13-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Eval General Type: Other/Unknown
Eval Date: 09-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-07-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-05-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Enforcement Action:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK

CHEVRON STATION #92709 (Continued) **S103639461**

Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 10-02-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 10-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 18412
Facility Name: CHEVRON STATION #92709
Env Int Type Code: HWG
Program ID: 10008037
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.877132
Longitude: -122.071999

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Acuna on behalf of Layne Statner
Entity Title:	RETAIL OE/HES SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Operator
Entity Name:	Layne Statner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 944-0899

Affiliation Type Desc:	Property Owner
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200

Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Acuna
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

SWEEPS UST:

Status:	Active
Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	2
SWRCB Tank Id:	07-000-062304-000001
Tank Status:	A
Capacity:	10000
Active Date:	09-16-93
Tank Use:	M.V. FUEL
STG:	P
Content:	PLUS UNLEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	3
SWRCB Tank Id:	07-000-062304-000002
Tank Status:	A
Capacity:	10000
Active Date:	05-14-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913

CHEVRON STATION #92709 (Continued) **S103639461**

Referral Date: 05-14-92
Action Date: 07-22-92
Created Date: 07-22-88
Owner Tank Id: 4
SWRCB Tank Id: 07-000-062304-000003
Tank Status: A
Capacity: 10000
Active Date: 05-14-92
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 62304
Number: 2
Board Of Equalization: 44-031913
Referral Date: 05-14-92
Action Date: 07-22-92
Created Date: 07-22-88
Owner Tank Id: 1
SWRCB Tank Id: 07-000-062304-000004
Tank Status: A
Capacity: 1000
Active Date: 05-14-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CERS TANKS:
Site ID: 18412
CERS ID: 10008037
CERS Description: Underground Storage Tank

Violations:
Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-02-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 10/28/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-07-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated

CHEVRON STATION #92709 (Continued) **S103639461**

	Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency response/contingency plan, otherwise previous form or Chevron form for Hazardous Materials Business Plan [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 09/22/2016.
Violation Division:	Contra Costa County Health Services Department

CHEVRON STATION #92709 (Continued) **S103639461**

Violation Program: UST
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-21-2016
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 09/28/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-21-2016
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 09/21/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-07-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-21-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.

CHEVRON STATION #92709 (Continued) **S103639461**

Violation Notes: Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 07-17-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-01-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-13-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-07-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-05-2013
Violations Found: No

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 18412

CHEVRON STATION #92709 (Continued) **S103639461**

Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	18412
Facility Name:	CHEVRON STATION #92709
Env Int Type Code:	HWG
Program ID:	10008037
Coord Name:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Ref Point Type Desc: Unknown
Latitude: 37.877132
Longitude: -122.071999

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Gerardo Acuna on behalf of Layne Statner
Entity Title: RETAIL OE/HES SPECIALIST
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title: Not reported
Affiliation Address: P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002

Affiliation Type Desc: Operator
Entity Name: Layne Statner
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 944-0899

Affiliation Type Desc: Property Owner
Entity Name: RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title: Not reported
Affiliation Address: 55 BARNES WEST DR STE 500
Affiliation City: SAINT LOUIS
Affiliation State: MO
Affiliation Country: United States
Affiliation Zip: 63141
Affiliation Phone: (925) 201-5880

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer
Entity Name: Gerardo Acuna

CHEVRON STATION #92709 (Continued) **S103639461**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

ENF:

Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS

CHEVRON STATION #92709 (Continued) **S103639461**

# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236379
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/08/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Direction/Voice:	Passive
Enforcement Id(EID):	236378
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/26/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236377
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/22/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	2
Facility Id:	217547

CHEVRON STATION #92709 (Continued) **S103639461**

Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236376
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not reported
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0789

CONTRA COSTA CO. SITE LIST:

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	762304

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	762304

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	762304

CHEVRON STATION #92709 (Continued) **S103639461**

CERS TANKS:
Site ID: 245407
CERS ID: T0601300733
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET, SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 18412
CERS ID: 10008037
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-02-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 10/28/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 10-07-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Violation Date: 09-07-2018
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California

CHEVRON STATION #92709 (Continued) **S103639461**

	Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency response/contingency plan, otherwise previous form or Chevron form for

CHEVRON STATION #92709 (Continued) **S103639461**

	Hazardous Materials Business Plan [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 09/22/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412

CHEVRON STATION #92709 (Continued) **S103639461**

Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/28/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	07-17-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-01-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-29-2016

CHEVRON STATION #92709 (Continued) **S103639461**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-07-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-05-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

CHEVRON STATION #92709 (Continued) **S103639461**

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 18412
Site Name: CHEVRON STATION #92709

CHEVRON STATION #92709 (Continued) **S103639461**

Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-07-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)

CHEVRON STATION #92709 (Continued) **S103639461**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 09-21-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 10-02-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 18412
Site Name: CHEVRON STATION #92709
Site Address: 1998 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 10-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 18412
Facility Name: CHEVRON STATION #92709
Env Int Type Code: HWG
Program ID: 10008037
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.877132
Longitude: -122.071999

Affiliation:

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Acuna on behalf of Layne Statner
Entity Title:	RETAIL OE/HES SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Operator
Entity Name:	Layne Statner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 944-0899

Affiliation Type Desc:	Property Owner
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200

Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Acuna
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK

CHEVRON STATION #92709 (Continued) **S103639461**

Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

A3 **92709** **HIST UST** **U001596704**
West **1998 TICE VALLEY BLVD** **N/A**
< 1/8 **WALNUT CREEK, CA 94529**
0.056 mi.
298 ft. **Site 3 of 5 in cluster A**

Relative: **Higher**
Actual: **263 ft.**

HIST UST:

File Number:	000228F6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000228F6.pdf
Region:	STATE
Facility ID:	00000062304
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	MC GUIRE, MIKE
Telephone:	4159440899
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported

92709 (Continued) **U001596704**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

A4 **AL STEELES CHEVRON STATION** **EDR Hist Auto** **1020618067**
West **1998 TICE VALLEY BL** **N/A**
< 1/8 **WALNUT CREEK, CA 94529**
0.056 mi.
298 ft. **Site 4 of 5 in cluster A**

Relative: EDR Hist Auto
Higher

Actual:
263 ft.

Year:	Name:	Type:
1969	AL STEELES CHEVRON STATION	Gasoline Service Stations
1970	AL STEELES CHEVRON STATION	Gasoline Service Stations
1971	AL STEELS CHEVRON STATION	Gasoline Service Stations
1972	AL STEELS CHEVRON STATION	Gasoline Service Stations
1973	AL STEELES CHEVRON STATION	Gasoline Service Stations
1974	AL STEELES CHEVRON STATION	Gasoline Service Stations
1976	AL STEELES CHEVRON STATION	Gasoline Service Stations
1977	AL STEELES CHEVRON STATION	Gasoline Service Stations
1978	AL STEELES CHEVRON STATION	Gasoline Service Stations
1979	AL STEELES CHEVRON STATION	Gasoline Service Stations
1980	AL STEELES CHEVRON STATION	Gasoline Service Stations
1982	AL STEELES CHEVRON STATION	Gasoline Service Stations
1983	AL STEELES CHEVRON STATION	Gasoline Service Stations
1987	ROSSMOOR CHEVRON	Gasoline Service Stations
1988	ROSSMOOR CHEVRON	Gasoline Service Stations
1989	ROSSMOOR CHEVRON	Gasoline Service Stations, NEC
1990	ROSSMOOR CHEVRON	Gasoline Service Stations, NEC
1991	ROSSMOOR CHEVRON	Gasoline Service Stations, NEC
1992	ROSSMOOR CHEVRON	Gasoline Service Stations, NEC
1993	ROSSMOOR CHEVRON	Gasoline Service Stations, NEC
1994	MC GUIRE MIKE	Gasoline Service Stations, NEC
1995	MC GUIRE MIKE	Gasoline Service Stations, NEC
1996	MC GUIRE MIKE	Gasoline Service Stations, NEC
1997	MC GUIRE MIKE	Gasoline Service Stations, NEC
1998	MC GUIRE MIKE	Gasoline Service Stations, NEC
2001	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations
2002	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2002	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations
2003	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations
2003	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2004	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2004	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations

AL STEELES CHEVRON STATION (Continued) **1020618067**

2005	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2005	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations
2006	ROSSMOOR CHEVRON SERVICE CTR	Gasoline Service Stations
2006	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2007	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2007	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2008	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2008	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2009	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2009	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2010	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2010	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2011	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2011	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2012	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2012	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2013	CHEVRON TANK MNTRING CNTNTL US	Gasoline Service Stations
2013	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC
2014	CHEVRON MOUNTAIN PETROLEUM	Gasoline Service Stations, NEC

A5
West
< 1/8
0.056 mi.
298 ft.

CHEVRON STATION #92709 **UST** **U004261510**
1998 TICE VALLEY BLVD **N/A**
WALNUT CREEK, CA 94595

Site 5 of 5 in cluster A

Relative: Higher
Actual: 263 ft.

UST:

Facility ID:	07-000-762304
Permitting Agency:	Contra Costa County Health Services Department
Latitude:	37.877136
Longitude:	-122.072006

6
West
< 1/8
0.088 mi.
463 ft.

SAFEWAY 0697 **CERS HAZ WASTE** **S112940745**
1980 TICE VALLEY BLVD **HAZNET** **N/A**
WALNUT CREEK, CA 94595 **CONTRA COSTA CO. SITE LIST**
CERS

Relative: Higher
Actual: 260 ft.

CERS HAZ WASTE:

Site ID:	149942
CERS ID:	10156825
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency

SAFEWAY 0697 (Continued) **S112940745**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 149942
Facility Name: Safeway 0697
Env Int Type Code: HWG
Program ID: 10156825
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.877050
Longitude: -122.072690

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Safeway, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 469-7000

Affiliation Type Desc: Parent Corporation
Entity Name: Safeway, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Carissa Colli
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

SAFEWAY 0697 (Continued) **S112940745**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 29096, MS 6515
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85038
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Ron Lee
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Safeway, Inc.
Entity Title:	Not reported
Affiliation Address:	5918 Stoneridge Mall Rd.
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 469-7000

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ron Lee
Entity Title:	Not reported
Affiliation Address:	5918 Stoneridge Mall Rd.
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	(925) 469-7513

HAZNET:

Facility Name:	SAFEWAY STORE #697
envid:	S112940745
Year:	2004
GEPAID:	CAC002582643
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	4410 ROSEWOOD DR
Mailing City,St,Zip:	PLEASANTON, CA 94588
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Not reported
Tons:	0

SAFEWAY 0697 (Continued) **S112940745**

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: S112940745
Year: 2004
GEPAID: CAC002582643
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 94588
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Not reported
Tons: 0.03
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: S112940745
Year: 2004
GEPAID: CAC002582643
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 94588
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Not reported
Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: S112940745
Year: 2004
GEPAID: CAC002582643
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 94588
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

SAFEWAY 0697 (Continued) **S112940745**

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0031716
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 774492

Facility ID: FA0031716
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 774492

CERS TANKS:
Site ID: 149942
CERS ID: 10156825
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 149942
Facility Name: Safeway 0697
Env Int Type Code: HWG
Program ID: 10156825
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.877050
Longitude: -122.072690

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Safeway, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

SAFEWAY 0697 (Continued) **S112940745**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 469-7000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Safeway, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Carissa Colli
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 29096, MS 6515
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85038
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ron Lee
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Safeway, Inc.
Entity Title:	Not reported

SAFEWAY 0697 (Continued) **S112940745**

Affiliation Address:	5918 Stoneridge Mall Rd.
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 469-7000
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ron Lee
Entity Title:	Not reported
Affiliation Address:	5918 Stoneridge Mall Rd.
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	(925) 469-7513

B7 **RITE AID #5947** **RCRA-LQG** **1016954839**
WSW **1997 TICE VALLEY BLVD** **CAL000380160**
< 1/8 **WALNUT CREEK, CA 94595**
0.091 mi.
482 ft. **Site 1 of 6 in cluster B**

Relative: **Higher**

Actual: **248 ft.**

RCRA-LQG:

Date form received by agency:	03/01/2014
Facility name:	RITE AID #5947
Facility address:	1997 TICE VALLEY BLVD WALNUT CREEK, CA 94595
EPA ID:	CAL000380160
Mailing address:	HUNTER LN CAMP HILL, PA 17011
Contact:	STEPHANIE A CAIATI
Contact address:	HUNTER LN CAMP HILL, PA 17011
Contact country:	Not reported
Contact telephone:	717-730-8225
Contact email:	SSCAIATI@RITEAID.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	THRIFTY PAYLESS
Owner/operator address:	HUNTER LN CAMP HILL, PA 17011

RITE AID #5947 (Continued) **1016954839**

Owner/operator country: Not reported
Owner/operator telephone: 717-761-2633
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/08/1997
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/08/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181

RITE AID #5947 (Continued) **1016954839**

. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

RITE AID #5947 (Continued) **1016954839**

Violation Status: No violations found

B8 **LEOS ROSSMOOR UNI-CAL** **EDR Hist Auto** **1021592376**
WSW **1997 TICE VALLEY BLVD** **N/A**
< 1/8 **WALNUT CREEK, CA 94595**
0.091 mi.
482 ft. **Site 2 of 6 in cluster B**

Relative: EDR Hist Auto
Higher

Actual: **248 ft.**

Year:	Name:	Type:
1971	ROSE VERNON	Gasoline Service Stations
1972	ROSE VERNON	Gasoline Service Stations
1973	ROSE VERNON	Gasoline Service Stations
1974	ROSE VERNON	Gasoline Service Stations
1988	LEOS ROSSMOOR UNI-CAL	Gasoline Service Stations
1989	LEOS ROSSMOOR UNI-CAL	Gasoline Service Stations, NEC
1990	LEOS ROSSMOOR UNI-CAL	Gasoline Service Stations, NEC
1991	LEOS ROSSMOOR UNI-CAL	Gasoline Service Stations, NEC

B9 **RITE AID #5947** **RCRA-CESQG** **1000167048**
WSW **1997 TICE VALLEY BLVD** **HIST UST** **CAD981991516**
< 1/8 **WALNUT CREEK, CA 94595**
0.091 mi.
482 ft. **Site 3 of 6 in cluster B**

Relative: RCRA-CESQG:
Higher

Actual: **248 ft.**

Date form received by agency:	04/14/2017
Facility name:	RITE AID #5947
Facility address:	1997 TICE VALLEY BLVD WALNUT CREEK, CA 945952201
EPA ID:	CAD981991516
Mailing address:	HUNTER LN CAMP HILL, PA 17011
Contact:	DAVID W CROZIER
Contact address:	HUNTER LN CAMP HILL, PA 17011
Contact country:	US
Contact telephone:	(717) 975-8643
Contact email:	EHS@RITEAID.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

RITE AID #5947 (Continued) **1000167048**

Owner/Operator Summary:

Owner/operator name:	UNION OIL CO OF CALIF
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	FAXON-PAYLESS
Owner/operator address:	1295
	MENLO PARK, CA 94026
Owner/operator country:	US
Owner/operator telephone:	(650) 324-2354
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/1995
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	THRIFTY PAYLESS INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/08/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

RITE AID #5947 (Continued) **1000167048**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 791
. Waste name: Liquids with pH < 2

RITE AID #5947 (Continued) **1000167048**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:
Date form received by agency: 08/05/2014
Site name: RITE AID NO 5947
Classification: Large Quantity Generator

RITE AID #5947 (Continued) **1000167048**

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001

RITE AID #5947 (Continued) **1000167048**

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

Date form received by agency: 09/16/2010
Site name: RITE AID 5947
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

Date form received by agency: 09/01/1996
Site name: UNOCAL SVC STA #6098

RITE AID #5947 (Continued) **1000167048**

Classification: Small Quantity Generator

Date form received by agency: 03/06/1987
Site name: UNOCAL SVC STA #6098
Classification: Large Quantity Generator

Violation Status: No violations found

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000060665
Facility Type: Gas Station
Other Type: Not reported
Contact Name: MONSOUR ATAIE/A.J. ATAIE
Telephone: 4159332490
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST., SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111
Total Tanks: 0001

Tank Num: 001
Container Num: 6098-10-1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

B10 **RITE AID #5947** **CERS HAZ WASTE** **S113803002**
WSW **1997 TICE VALLEY BLVD** **HAZNET** **N/A**
< 1/8 **WALNUT CREEK, CA 94595**
0.091 mi.
482 ft. **Site 4 of 6 in cluster B**

Relative:
Higher

Actual:
248 ft.

CERS HAZ WASTE:
Site ID: 61966
CERS ID: 10018081
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW

RITE AID #5947 (Continued) **S113803002**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Coordinates:
Site ID: 61966
Facility Name: RITE AID #5947
Env Int Type Code: HWG
Program ID: 10018081
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.876438
Longitude: -122.072563

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane, attn EHS
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Thrifty Payless
Entity Title: Not reported
Affiliation Address: P.O. Box 3165
Affiliation City: HARRISBURG
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 17105
Affiliation Phone: (717) 761-2633

Affiliation Type Desc: Operator
Entity Name: RITE AID #5947
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

RITE AID #5947 (Continued) **S113803002**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 932-0568
Affiliation Type Desc:	Property Owner
Entity Name:	Faxon-Payless
Entity Title:	Not reported
Affiliation Address:	P.O. Box 1295
Affiliation City:	Menlo Park
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94026
Affiliation Phone:	(650) 324-2354
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Crozier
Entity Title:	Not reported
Affiliation Address:	30 HUNTER LN
Affiliation City:	CAMP HILL
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17011
Affiliation Phone:	(717) 975-8643
Affiliation Type Desc:	Identification Signer
Entity Name:	David Crozier
Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson

RITE AID #5947 (Continued) **S113803002**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 61966
CERS ID: 10018081
CERS Description: RCRA LQ HW Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Coordinates:
Site ID: 61966
Facility Name: RITE AID #5947
Env Int Type Code: HWG
Program ID: 10018081
Coord Name: Not reported
Ref Point Type Desc: Unknown

RITE AID #5947 (Continued) **S113803002**

Latitude: 37.876438
Longitude: -122.072563

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 30 Hunter Lane, attn EHS
Affiliation City: Camp Hill
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Thrifty Payless
Entity Title: Not reported
Affiliation Address: P.O. Box 3165
Affiliation City: HARRISBURG
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 17105
Affiliation Phone: (717) 761-2633

Affiliation Type Desc: Operator
Entity Name: RITE AID #5947
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 932-0568

Affiliation Type Desc: Property Owner
Entity Name: Faxon-Payless
Entity Title: Not reported
Affiliation Address: P.O. Box 1295
Affiliation City: Menlo Park
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94026
Affiliation Phone: (650) 324-2354

Affiliation Type Desc: Environmental Contact
Entity Name: David Crozier
Entity Title: Not reported
Affiliation Address: 30 HUNTER LN
Affiliation City: CAMP HILL
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 17011
Affiliation Phone: (717) 975-8643

Affiliation Type Desc: Identification Signer
Entity Name: David Crozier
Entity Title: Manager, EHS

RITE AID #5947 (Continued) **S113803002**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HAZNET:

Facility Name:	RITE AID #5947
envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.055
Cat Decode:	Not reported
Method Decode:	Not reported

RITE AID #5947 (Continued) **S113803002**

Facility County: Contra Costa

envid: S113803002
Year: 2014
GEPAID: CAL000380160
Contact: STEPHANIE A. CAIATI
Telephone: 7177308225
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 170112400
Gen County: Contra Costa
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0015
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: S113803002
Year: 2014
GEPAID: CAL000380160
Contact: STEPHANIE A. CAIATI
Telephone: 7177308225
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 170112400
Gen County: Contra Costa
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Pharmaceutical waste
Disposal Method: Not reported
Tons: 0.1155
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: S113803002
Year: 2014
GEPAID: CAL000380160
Contact: STEPHANIE A. CAIATI
Telephone: 7177308225
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 170112400
Gen County: Contra Costa
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0185
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

RITE AID #5947 (Continued) **S113803002**

envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.006
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

Click this hyperlink while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

B11 **UNION OIL SS6098** **HIST UST** **U001598947**
WSW **1997 TICE VALLEY BLVD** **N/A**
< 1/8 **WALNUT CREEK, CA 94596**
0.091 mi.
482 ft. **Site 5 of 6 in cluster B**

Relative:
Higher

Actual:
248 ft.

HIST UST:

File Number:	000230B9
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000230B9.pdf
Region:	STATE
Facility ID:	00000054268
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	A.J. ATAI
Telephone:	4159332490
Owner Name:	UNION OIL CO.
Owner Address:	1 CALIFORNIA ST., SUITE 2700
Owner City,St,Zip:	SAN FRANCISCO, CA 94111
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1969
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Not reported
Tank Num:	002
Container Num:	2
Year Installed:	1969
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported

UNION OIL SS6098 (Continued) **U001598947**

Leak Detection: Not reported

Tank Num: 003
Container Num: 3
Year Installed: 1969
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1969
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Click here for Geo Tracker PDF:

B12 **UNOCAL SERVICE STATION #6098** **LUST** **S101580783**
WSW **1997 TICE VALLEY BLVD** **SWEEPS UST** **N/A**
< 1/8 **WALNUT CREEK, CA 94596** **HIST UST**
0.091 mi. **CA FID UST**
482 ft. **Site 6 of 6 in cluster B** **HIST CORTESE**
CONTRA COSTA CO. SITE LIST
Relative: Higher **CERS**

Actual: 248 ft.

LUST:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300331
Global Id: T0601300331
Latitude: 37.876456
Longitude: -122.072594
Status: Completed - Case Closed
Status Date: 12/12/1996
Case Worker: KEB
RB Case Number: 07-0354
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: 54268
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300331
Contact Type: Regional Board Caseworker
Contact Name: KEVIN BROWN
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: kebrown@waterboards.ca.gov
Phone Number: Not reported

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Global Id:	T0601300331
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300331
Action Type:	Other
Date:	08/19/1987
Action:	Leak Reported
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/13/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	09/07/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/05/1994
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/15/1990
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	09/30/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/25/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/12/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/27/1989
Action:	Monitoring Report - Other
Global Id:	T0601300331
Action Type:	RESPONSE

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Date: 07/14/1993
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 05/31/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 01/18/1995
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 01/31/1997
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 01/18/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 07/12/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 07/31/1995
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 06/19/1996
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 10/02/1995
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 10/21/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 05/22/1992
Action: Other Workplan

Global Id: T0601300331
Action Type: RESPONSE
Date: 02/14/1990
Action: Other Report / Document

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Global Id: T0601300331
Action Type: RESPONSE
Date: 07/27/1987
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 12/08/1993
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/14/1987
Action: Soil and Water Investigation Report

Global Id: T0601300331
Action Type: RESPONSE
Date: 07/20/1994
Action: Well Destruction Report

Global Id: T0601300331
Action Type: RESPONSE
Date: 10/22/1992
Action: Well Destruction Report

Global Id: T0601300331
Action Type: RESPONSE
Date: 06/12/1989
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/19/1993
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 06/13/1990
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 06/18/1992
Action: Other Workplan

Global Id: T0601300331
Action Type: RESPONSE
Date: 05/11/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 07/02/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Date: 02/08/1993
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 06/30/1992
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0601300331
Action Type: RESPONSE
Date: 02/19/1996
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/06/1993
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/15/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/27/1987
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 10/23/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 03/20/1991
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/10/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 10/14/1993
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 01/14/1994
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/29/1992
Action: Request for Closure

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Global Id: T0601300331
Action Type: RESPONSE
Date: 09/27/1988
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 02/19/1997
Action: Correspondence

Global Id: T0601300331
Action Type: RESPONSE
Date: 08/14/1987
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 08/19/1991
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 01/16/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 03/18/1987
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/09/1987
Action: Other Report / Document

Global Id: T0601300331
Action Type: RESPONSE
Date: 04/09/1992
Action: Monitoring Report - Quarterly

Global Id: T0601300331
Action Type: RESPONSE
Date: 11/22/1996
Action: Request for Closure

Global Id: T0601300331
Action Type: RESPONSE
Date: 05/14/1996
Action: Request for Closure

Global Id: T0601300331
Action Type: ENFORCEMENT
Date: 12/11/1996
Action: Staff Letter

Global Id: T0601300331
Action Type: Other

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Date: 08/19/1987
Action: Leak Discovery

Global Id: T0601300331
Action Type: Other
Date: 08/19/1987
Action: Leak Stopped

LUST:
Global Id: T0601300331
Status: Completed - Case Closed
Status Date: 12/12/1996

Global Id: T0601300331
Status: Open - Case Begin Date
Status Date: 03/10/1987

Global Id: T0601300331
Status: Open - Remediation
Status Date: 10/14/1993

Global Id: T0601300331
Status: Open - Site Assessment
Status Date: 03/10/1987

Global Id: T0601300331
Status: Open - Site Assessment
Status Date: 01/16/1992

LUST REG 2:
Region: 2
Facility Id: 07-0354
Facility Status: Case Closed
Case Number: 54268
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 3/10/1987
Pollution Characterization Began: 1/16/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 10/14/1993
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:
Status: Active
Comp Number: 54268
Number: 2
Board Of Equalization: 44-001057
Referral Date: 12-03-91
Action Date: 12-03-91
Created Date: 07-22-88
Owner Tank Id: Not reported

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	54268
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-054268-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	54268
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-054268-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	54268
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-054268-000003
Tank Status:	Not reported
Capacity:	520
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 54268
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-054268-000004
Tank Status: Not reported
Capacity: 520
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
File Number: 000230B3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000230B3.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 07000447
Regulated By: UTNKA
Regulated ID: CAD981991
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4159355419
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: WALNUT CREEK 94596

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 07-0354

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0032400
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 754268

Facility ID: FA0032400
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 754268

Facility ID: FA0030121
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: RCRA LQG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 773452

Facility ID: FA0030121
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: RCRA LQG LEGACY PROGRAM
Region: CONTRA COSTA
Cupa Number: 773452

CERS TANKS:
Site ID: 217944
CERS ID: T0601300331
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported

UNOCAL SERVICE STATION #6098 (Continued) **S101580783**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C13 **CVS PHARMACY #9324** **CONTRA COSTA CO. SITE LIST** **S122492663**
West **1960 TICE VALLEY BLVD** **N/A**
1/8-1/4 **WALNUT CREEK, CA 94595**
0.131 mi.
690 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
261 ft.

CONTRA COSTA CO. SITE LIST:

Facility ID:	FA0041440
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	776124

C14 **CVS PHARMACY #9324** **CERS HAZ WASTE** **S122492121**
West **1960 TICE VALLEY BLVD** **CERS** **N/A**
1/8-1/4 **WALNUT CREEK, CA 94595**
0.131 mi.
690 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
261 ft.

CERS HAZ WASTE:

Site ID:	439667
CERS ID:	10765822
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	439667
Facility Name:	CVS Pharmacy #9324
Env Int Type Code:	HMBP
Program ID:	10765822
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.

CVS PHARMACY #9324 (Continued) **S122492121**

Latitude: 37.877510
Longitude: -122.073470

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer
Entity Name: Tristan Guison, Agent for Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Verisk 3E, Regulatory Services/CVS
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Ct, Ste 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: (760) 602-8700

Affiliation Type Desc: Legal Owner
Entity Name: Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: One CVS Drive
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: United States
Affiliation Zip: 02895
Affiliation Phone: (401) 765-1500

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive MC 1160
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: Not reported
Affiliation Zip: 02895
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Tristan Guison, Agent for Garfield Beach CVS, L.L.C.
Entity Title: Regulatory Compliance Specialist, Verisk 3E

CVS PHARMACY #9324 (Continued) **S122492121**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(401) 765-1500
Affiliation Type Desc:	Parent Corporation
Entity Name:	CVS Health
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Stephen Horn, Agent for Garfield Beach CVS, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

CERS TANKS:

Site ID:	439667
CERS ID:	10765822
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	439667
Facility Name:	CVS Pharmacy #9324
Env Int Type Code:	HMBP

CVS PHARMACY #9324 (Continued) **S122492121**

Program ID: 10765822
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.877510
Longitude: -122.073470

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer
Entity Name: Tristan Guison, Agent for Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Verisk 3E, Regulatory Services/CVS
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Ct, Ste 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: (760) 602-8700

Affiliation Type Desc: Legal Owner
Entity Name: Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: One CVS Drive
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: United States
Affiliation Zip: 02895
Affiliation Phone: (401) 765-1500

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive MC 1160
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: Not reported
Affiliation Zip: 02895
Affiliation Phone: Not reported

CVS PHARMACY #9324 (Continued) **S122492121**

Affiliation Type Desc:	Identification Signer
Entity Name:	Tristan Guison, Agent for Garfield Beach CVS, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(401) 765-1500

Affiliation Type Desc:	Parent Corporation
Entity Name:	CVS Health
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Stephen Horn, Agent for Garfield Beach CVS, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C15 **SPARKLIZING CLEANERS** **CPS-SLIC** **S102262958**
West **1958 TICE VALLEY BLVD** **BROWNFIELDS** **N/A**
1/8-1/4 **WALNUT CREEK, CA 94595** **CERS HAZ WASTE**
0.135 mi. **DRYCLEANERS**
713 ft. **Site 3 of 4 in cluster C** **EMI**
CONTRA COSTA CO. SITE LIST
Relative: Higher **CERS**

Actual: 260 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	06/07/2018
Global Id:	T10000004671
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.8783599206785
Longitude:	-122.072374819435

SPARKLIZING CLEANERS (Continued) **S102262958**

Case Type:	Cleanup Program Site
Case Worker:	KEB
Local Agency:	Not reported
RB Case Number:	07S0206
File Location:	Regional Board
Potential Media Affected:	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	An interim RAP was approved for the site, proposing the use of a sub-slab depressurization (SSD) system to address vapor intrusion.

Click here to access the California GeoTracker records for this facility:

BROWNFIELDS:

Global ID:	T10000004671
Latitude:	37.878359921
Longitude:	-122.07237482
Project Type:	Cleanup Program Site
Status:	Open - Assessment & Interim Remedial Action
Status Date:	06/07/2018
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Last Correspondence Date:	09/20/2018
Release Type:	Clarifier / Dry Cleaning Unit / Vapor Degreaser, Unknown
Contaminant(s) of Concern:	Tetrachloroethylene (PCE)
Media of Concern:	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Past Use(s) that Caused Contamination:	DRY CLEANING
Human Health Exposure Controlled:	INSUFFICIENT DATA
Human Health Exposure Controlled Date:	04/03/2013
Groundwater Migration Controlled:	YES
Groundwater Migration Controlled Date:	04/03/2013
Primary Caseworker Name:	KEVIN BROWN
Primary Caseworker Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Primary Caseworker Phone Number:	Not reported
Primary Caseworker Address:	1515 CLAY STREET, SUITE 1400
Primary Caseworker Address:	OAKLAND
Primary Caseworker Address:	CA
Primary Caseworker Email:	kebrown@waterboards.ca.gov

CERS HAZ WASTE:

Site ID:	155666
CERS ID:	10010212
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	155666
Site Name:	SPARKLIZING CLEANERS
Violation Date:	11-30-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 11/30/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID: 155666

SPARKLIZING CLEANERS (Continued) **S102262958**

Site Name: SPARKLIZING CLEANERS
Violation Date: 04-14-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 11-30-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/30/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 04-14-2017

SPARKLIZING CLEANERS (Continued) **S102262958**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 11-30-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 155666
Facility Name: SPARKLIZING CLEANERS
Env Int Type Code: CPS
Program ID: T10000004671
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.878360
Longitude: -122.072374

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Environmental Contact
Entity Name: WON K CHOI
Entity Title: Not reported
Affiliation Address: 1958 TICE VALLEY BLVD
Affiliation City: WALNUT CREEK
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94596
Affiliation Phone: (925) 939-8711

Affiliation Type Desc: Identification Signer
Entity Name: WON KI CHOI
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported

SPARKLIZING CLEANERS (Continued) **S102262958**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: WON KI CHOI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Won Ki, Choi
Entity Title: Not reported
Affiliation Address: 1958 Tice Valley Blvd
Affiliation City: WALNUT CREEK
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94595
Affiliation Phone: (925) 939-8711

Affiliation Type Desc: Operator
Entity Name: Won Ki, Choi
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 817-0413

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1958 Tice Valley Blvd
Affiliation City: Walnut Creek
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94595
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Sparklizing Cleaners
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)

SPARKLIZING CLEANERS (Continued) **S102262958**

Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET, SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

DRYCLEANERS:
EPA Id: CAL000282935
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 06/08/2004
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: WONKI CHOI
Owner Address: 1958 TICE VALLEY BLVD
Owner Address 2: Not reported
Owner Telephone: 9259398711
Contact Name: WONKI CHOI
Contact Address: 1958 TICE VALLEY BLVD
Contact Address 2: Not reported
Contact Telephone: 9259398711
Mailing Name: Not reported
Mailing Address 1: 1958 TICE VALLEY BLVD
Mailing Address 2: Not reported
Mailing City: WALNUT CREEK
Mailing State: CA
Mailing Zip: 945950000
Owner Fax: 0000000000
Region Code: 2

EMI:
Year: 1987
County Code: 7
Air Basin: SF
Facility ID: 1773
Air District Name: BA
SIC Code: 7216
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 7

SPARKLIZING CLEANERS (Continued) **S102262958**

Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1996
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

SPARKLIZING CLEANERS (Continued) **S102262958**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	7
Air Basin:	SF
Facility ID:	1773
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

SPARKLIZING CLEANERS (Continued) **S102262958**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2005
County Code: 7
Air Basin: SF
Facility ID: 1773
Air District Name: BA
SIC Code: 7211
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0033228
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 770715

Facility ID: FA0033228
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 770715

CERS TANKS:
Site ID: 155666
CERS ID: 10010212
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 11-30-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 11/30/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 04-14-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

SPARKLIZING CLEANERS (Continued) **S102262958**

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 11-30-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/30/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 04-14-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

SPARKLIZING CLEANERS (Continued) **S102262958**

Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 11-30-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 155666
Facility Name: SPARKLIZING CLEANERS
Env Int Type Code: CPS
Program ID: T10000004671
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.878360
Longitude: -122.072374

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Environmental Contact
Entity Name: WON K CHOI
Entity Title: Not reported
Affiliation Address: 1958 TICE VALLEY BLVD
Affiliation City: WALNUT CREEK
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94596
Affiliation Phone: (925) 939-8711

Affiliation Type Desc: Identification Signer
Entity Name: WON KI CHOI
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

SPARKLIZING CLEANERS (Continued) **S102262958**

Affiliation Type Desc:	Document Preparer
Entity Name:	WON KI CHOI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Won Ki, Choi
Entity Title:	Not reported
Affiliation Address:	1958 Tice Valley Blvd
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 939-8711

Affiliation Type Desc:	Operator
Entity Name:	Won Ki, Choi
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 817-0413

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1958 Tice Valley Blvd
Affiliation City:	Walnut Creek
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94595
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Sparklizing Cleaners
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported

SPARKLIZING CLEANERS (Continued) **S102262958**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 155666
CERS ID: T10000004671
CERS Description: Cleanup Program Site

Violations:

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 11-30-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 11/30/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 04-14-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Violation Date: 11-30-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/30/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

SPARKLIZING CLEANERS (Continued) **S102262958**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 04-14-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 155666
Site Name: SPARKLIZING CLEANERS
Site Address: 1958 TICE VALLEY BLVD
Site City: WALNUT CREEK
Site Zip: 94595
Enf Action Date: 11-30-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 155666
Facility Name: SPARKLIZING CLEANERS
Env Int Type Code: CPS
Program ID: T10000004671
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 37.878360
Longitude: -122.072374

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez

SPARKLIZING CLEANERS (Continued) **S102262958**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Environmental Contact
Entity Name: WON K CHOI
Entity Title: Not reported
Affiliation Address: 1958 TICE VALLEY BLVD
Affiliation City: WALNUT CREEK
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94596
Affiliation Phone: (925) 939-8711

Affiliation Type Desc: Identification Signer
Entity Name: WON KI CHOI
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: WON KI CHOI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Won Ki, Choi
Entity Title: Not reported
Affiliation Address: 1958 Tice Valley Blvd
Affiliation City: WALNUT CREEK
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94595
Affiliation Phone: (925) 939-8711

Affiliation Type Desc: Operator
Entity Name: Won Ki, Choi
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 817-0413

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address

SPARKLIZING CLEANERS (Continued) **S102262958**

Entity Title:	Not reported
Affiliation Address:	1958 Tice Valley Blvd
Affiliation City:	Walnut Creek
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94595
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sparklizing Cleaners
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C16 **SPARKLIZING CLEANERS** **RCRA-SQG 1000363675**
West **1958 TICE VALLEY BOULEVARD** **FINDS CAD981582653**
1/8-1/4 **WALNUT CREEK, CA 94595** **ECHO**
0.135 mi. **HAZNET**
713 ft. **Site 4 of 4 in cluster C**

Relative: **Higher**
Actual: **260 ft.**

RCRA-SQG:

Date form received by agency:	11/25/1986
Facility name:	SPARKLING CLEANERS
Facility address:	1958 TICE VALLEY WY WALNUT CREEK, CA 94595
EPA ID:	CAD981582653
Mailing address:	TICE VALLEY WY WALNUT CREEK, CA 94595
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1958 TICE VALLEY WY WALNUT CREEK, CA 94595
Contact country:	US
Contact telephone:	415-939-8711
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

SPARKLIZING CLEANERS (Continued) **1000363675**

Owner/Operator Summary:

Owner/operator name:	KIM CHUNG
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110001183674

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.

SPARKLIZING CLEANERS (Continued) **1000363675**

HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000363675
Registry ID:	110001183674
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001183674

HAZNET:

Facility Name:	SPARKLING CLEANERS
envid:	1000363675
Year:	2002
GEPAID:	CAD981582653
Contact:	SUNG YOUNG WI
Telephone:	9259398711
Mailing Name:	Not reported
Mailing Address:	1958 TICE VALLEY BLVD
Mailing City,St,Zip:	WALNUT CREEK, CA 945950000
Gen County:	Not reported
TSD EPA ID:	CAT080014079
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Not reported
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

envid:	1000363675
Year:	2002
GEPAID:	CAD981582653
Contact:	SUNG YOUNG WI
Telephone:	9259398711
Mailing Name:	Not reported
Mailing Address:	1958 TICE VALLEY BLVD
Mailing City,St,Zip:	WALNUT CREEK, CA 945950000
Gen County:	Not reported
TSD EPA ID:	CAT080014079
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	0.25
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

envid:	1000363675
Year:	2001
GEPAID:	CAD981582653
Contact:	SUNG YOUNG WI
Telephone:	9259398711

SPARKLIZING CLEANERS (Continued) **1000363675**

Mailing Name: Not reported
Mailing Address: 1958 TICE VALLEY BLVD
Mailing City,St,Zip: WALNUT CREEK, CA 945950000
Gen County: Not reported
TSD EPA ID: CAT080014079
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: 1000363675
Year: 2001
GEPAID: CAD981582653
Contact: SUNG YOUNG WI
Telephone: 9259398711
Mailing Name: Not reported
Mailing Address: 1958 TICE VALLEY BLVD
Mailing City,St,Zip: WALNUT CREEK, CA 945950000
Gen County: Not reported
TSD EPA ID: CAT080014079
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Not reported
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Contra Costa

envid: 1000363675
Year: 1999
GEPAID: CAD981582653
Contact: SUNG YOUNG WI
Telephone: 9259398711
Mailing Name: Not reported
Mailing Address: 1958 TICE VALLEY BLVD
Mailing City,St,Zip: WALNUT CREEK, CA 945950000
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .2732
Cat Decode: Not reported
Method Decode: Not reported
Facility County: 7

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

17
ENE
1/8-1/4
0.148 mi.
783 ft.

WALNUT CREEK SKILLED NURSING AND REHABILITATION CE
1224 ROSSMOOR PKWY
WALNUT CREEK, CA 94595

CERS HAZ WASTE
CONTRA COSTA CO. SITE LIST

S121784270
N/A

Relative:
Higher

Actual:
262 ft.

CERS HAZ WASTE:

Site ID:	433490
CERS ID:	10755646
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	433490
Site Name:	WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER
Violation Date:	09-12-2018
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:	OBSERVATION: black rcra HAZARDOUS WASTE medication container located in the short-term unit medication room was observed without a hazardous waste label. one label was provided to site as an example. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled (and filled out). Always put accumulation start date on label when you begin filling container.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	433490
Site Name:	WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER
Site Address:	1224 ROSSMOOR PKWY
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-12-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER (Continued) **S121784270**

Site ID:	433490
Facility Name:	WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER
Env Int Type Code:	HWG
Program ID:	10755646
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.877660
Longitude:	-122.068330

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Life Generations Healthcare LLC
Entity Title:	Not reported
Affiliation Address:	6 HUTTON CENTRE DRIVE, SUITE 400
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92707
Affiliation Phone:	(714) 241-5600

Affiliation Type Desc:	Parent Corporation
Entity Name:	WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	LYNISH MORRIS
Entity Title:	Not reported
Affiliation Address:	1224 ROSSMOOR PARKWAY
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94595
Affiliation Phone:	(925) 937-7450

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1224 ROSSMOOR PARKWAY
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94595
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

WALNUT CREEK SKILLED NURSING AND REHABILITATION CENTER (Continued) **S121784270**

Affiliation Zip: Not reported
Affiliation Phone: (925) 937-7450

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 335-3200

Affiliation Type Desc: Document Preparer
Entity Name: Sharon Casareto
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: SHARON CASARETO
Entity Title: SENIOR ACCOUNTANT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0041085
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 776045

18
SSW
1/8-1/4
0.148 mi.
784 ft.

CONTRA COSTA COUNTY FIRE PROTE **EMI** **S109281232**
1520 ROSSMOOR PARKWAY **CONTRA COSTA CO. SITE LIST** **N/A**
WALNUT CREEK, CA 94595 **CERS**

Relative:
Higher

Actual:
240 ft.

EMI:
Year: 2006
County Code: 7
Air Basin: SF
Facility ID: 14375
Air District Name: BA
SIC Code: 9224
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

Year:	2007
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.001
Reactive Organic Gases Tons/Yr:	.0008367
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Year:	2009
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	8.3670000000000001E-4
Carbon Monoxide Emissions Tons/Yr:	3.0000000000000001E-3
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7599999999999998E-4
Year:	2010
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	6.0000000000000001E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2011
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
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 Smllr Tons/Yr:	0
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	0.0008367
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0010245901639
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001
Year:	2013
County Code:	7
Air Basin:	SF

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	0.0008367
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001

Year:	2014
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.011729458
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235

Year:	2015
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0.000822127
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.01172946
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235

Year:	2016
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0.0007418308765
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.011729458
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235

CONTRA COSTA CO. SITE LIST:

Facility ID:	FA0029891
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773220

CERS TANKS:

Site ID:	107899
CERS ID:	10017388
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-06-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	107899
Facility Name:	CONTRA COSTA FIRE STA #03
Env Int Type Code:	HMBP
Program ID:	10017388
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	37.875317
Longitude:	-122.072405

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Wendy Riley
Entity Title:	Not reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94520
Affiliation Phone:	(925) 941-3300

Affiliation Type Desc:	Operator
Entity Name:	CONTRA COSTA COUNTY FIRE DIST
Entity Title:	Not reported
Affiliation Address:	Not reported

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 941-3300
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94520
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Contra Costa Fire Protection District
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	CONTRA COSTA COUNTY FIRE DIST
Entity Title:	Not reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(925) 941-3300
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Marshall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer

CONTRA COSTA COUNTY FIRE PROTE (Continued) **S109281232**

Entity Name:	Robert Marshall
Entity Title:	Fire Marshal
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	CONTRA COSTA COUNTY FIRE DIST
Entity Title:	Not reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(925) 941-3300

19
ESE
1/8-1/4
0.160 mi.
844 ft.

PULTE GROUP **HAZNET** **S111711211**
2071 TICE VALLEY BLVD **CONTRA COSTA CO. SITE LIST** **N/A**
WALNUT CREEK, CA 94595

Relative:
Lower

Actual:
229 ft.

HAZNET:

Facility Name:	PULTE GROUP
envid:	S111711211
Year:	2016
GEPAID:	CAC002856148
Contact:	JOHN BULLER
Telephone:	9252493205
Mailing Name:	Not reported
Mailing Address:	6210 STONERIDGE MALL RD STE 500
Mailing City,St,Zip:	PLEASANTON, CA 945883291
Gen County:	Contra Costa
TSD EPA ID:	CAD981382732
TSD County:	Alameda
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.92
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Contra Costa

CONTRA COSTA CO. SITE LIST:

Facility ID:	FA0031688
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	774466

20
SW
1/8-1/4
0.220 mi.
1164 ft.

Relative:
Higher

Actual:
249 ft.

U D C HOMES
1717 ROSSMOOR PKY
WALNUT CREEK, CA 94596

LUST **S101580778**
SWEEPS UST **N/A**
CA FID UST
HIST CORTESE
CONTRA COSTA CO. SITE LIST
CERS

LUST:

Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300313
Global Id:	T0601300313
Latitude:	37.874912
Longitude:	-122.073855
Status:	Completed - Case Closed
Status Date:	03/04/1997
Case Worker:	KEB
RB Case Number:	07-0335
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	18545
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300313
Contact Type:	Regional Board Caseworker
Contact Name:	KEVIN BROWN
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	kebrown@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300313
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not reported

LUST:

Global Id:	T0601300313
Action Type:	Other
Date:	09/29/1987
Action:	Leak Reported

Global Id:	T0601300313
Action Type:	ENFORCEMENT
Date:	09/19/2002
Action:	Staff Letter

Global Id:	T0601300313
Action Type:	ENFORCEMENT
Date:	06/24/2003
Action:	File review

U D C HOMES (Continued) **S101580778**

Global Id: T0601300313
Action Type: Other
Date: 07/09/1987
Action: Leak Discovery

Global Id: T0601300313
Action Type: RESPONSE
Date: 06/24/2003
Action: Unknown

Global Id: T0601300313
Action Type: Other
Date: 07/09/1987
Action: Leak Stopped

LUST:
Global Id: T0601300313
Status: Completed - Case Closed
Status Date: 03/04/1997

Global Id: T0601300313
Status: Open - Case Begin Date
Status Date: 07/09/1987

Global Id: T0601300313
Status: Open - Site Assessment
Status Date: 05/17/1994

LUST REG 2:
Region: 2
Facility Id: 07-0335
Facility Status: Case Closed
Case Number: 18545
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 5/17/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 18545
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-018545-000001

U D C HOMES (Continued) **S101580778**

Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 18545
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-018545-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 18545
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-018545-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 07000415
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4159323900
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: WALNUT CREEK 94596
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported

U D C HOMES (Continued) **S101580778**

EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 07-0335

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0031860
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 718545

CERS TANKS:
Site ID: 239096
CERS ID: T0601300313
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET, SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D21 **CVS PHARMACY #9324** **RCRA-LQG** **1015740199**
WNW **1914 TICE VALLEY BLVD** **CAR000228742**
1/8-1/4 **WALNUT CREEK, CA 94595**
0.226 mi.
1192 ft. **Site 1 of 2 in cluster D**

Relative: **Lower**
Actual: **233 ft.**

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: CVS PHARMACY #9324
Facility address: 1914 TICE VALLEY BLVD
WALNUT CREEK, CA 94595
EPA ID: CAR000228742

CVS PHARMACY #9324 (Continued) **1015740199**

Mailing address:	CVS DR WOONSOCKET, RI 02895
Contact:	WENDY L BRANT
Contact address:	CVS DR WOONSOCKET, RI 02895
Contact country:	Not reported
Contact telephone:	401-770-7457
Contact email:	WENDY.BRANT@CVSCAREMARK.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RF ROSSMOOR INC
Owner/operator address:	520 CAPITOL MALL 5TH FL SACRAMENTO, CA 95814
Owner/operator country:	US
Owner/operator telephone:	916-375-1500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/30/1987
Owner/Op end date:	Not reported

Owner/operator name:	RF ROSSMOOR INC
Owner/operator address:	CAPITOL MALL 5TH FLR SACRAMENTO, CA 95814
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/30/1987
Owner/Op end date:	Not reported

Owner/operator name:	LONGS DRUG STORES CALIFORNIA LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported

CVS PHARMACY #9324 (Continued) **1015740199**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/02/1992
Owner/Op end date: Not reported

Owner/operator name: LONGS DRUG STORES CA LLC
Owner/operator address: CVS DR
WOONSOCKET, RI 02895
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/02/1992
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

CVS PHARMACY #9324 (Continued) **1015740199**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: P081
. Waste name: NITROGLYCERINE (R)

. Waste code: P188
. Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-

. Waste code: U002

CVS PHARMACY #9324 (Continued) **1015740199**

. Waste name: ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

. Waste code: U031
. Waste name: 1-BUTANOL (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO-

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: DAUNOMYCIN

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO-

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

. Waste code: U132
. Waste name: HEXACHLOROPHENE

. Waste code: U150
. Waste name: MELPHALAN

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

CVS PHARMACY #9324 (Continued) **1015740199**

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL

. Waste code: U204
. Waste name: SELENIOUS ACID

. Waste code: U205
. Waste name: SELENIUM SULFIDE

. Waste code: U206
. Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Historical Generators:
Date form received by agency: 09/04/2012
Site name: CVS PHARMACY NO 9324
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

CVS PHARMACY #9324 (Continued) **1015740199**

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: P081
. Waste name: NITROGLYCERINE (R)

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/18/2017
Date achieved compliance: 01/18/2017
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/2017
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/15/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/18/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/18/2017
Evaluation lead agency: State

D22 **CVS PHARMACY #9324** **CONTRA COSTA CO. SITE LIST** **S110326408**
WNW **1914 TICE VALLEY BLVD** **N/A**
1/8-1/4 **WALNUT CREEK, CA 94595**
0.226 mi.
1192 ft. **Site 2 of 2 in cluster D**

Relative: **Lower**

Actual: **233 ft.**

CONTRA COSTA CO. SITE LIST:
Facility ID: FA0031062
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: RCRA LQG LEGACY PROGRAM
Region: CONTRA COSTA
Cupa Number: 774164

Facility ID: FA0031062
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: RCRA LQG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 774164

23
WNW
1/8-1/4
0.230 mi.
1215 ft.

DEL VALLE EDUCATIONAL CENTER
1963 TICE VALLEY BOULEVARD
WALNUT CREEK, CA 94596

NPDES **S105086749**
CONTRA COSTA CO. SITE LIST **N/A**
CIWQS

Relative:
Higher

Actual:
241 ft.

NPDES:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 07C361483
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	01/26/2017
Operator Name:	Acalanes Union High School District
Operator Address:	1212 Pleasant Hill Road
Operator City:	Lafayette
Operator State:	California
Operator Zip:	94549

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	414205
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07C361483
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/22/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/26/2017
Discharge Name:	Acalanes Union High School District
Discharge Address:	1212 Pleasant Hill Road
Discharge City:	Lafayette
Discharge State:	California
Discharge Zip:	94549
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	414205
Order Number:	Not reported

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 07C361483
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/26/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/29/2011
Processed Date:	07/22/2011
Status:	Terminated
Status Date:	01/26/2017
Place Size:	4.8
Place Size Unit:	Acres
Contact:	Dave Humphrey
Contact Title:	Director of Facilities
Contact Phone:	925-280-3960
Contact Phone Ext:	5904
Contact Email:	dhumphrey@acalanes.k12.ca.us
Operator Name:	Acalanes Union High School District
Operator Address:	1212 Pleasant Hill Road
Operator City:	Lafayette
Operator State:	California
Operator Zip:	94549
Operator Contact:	Dave Humphrey
Operator Contact Title:	Director of Facilities
Operator Contact Phone:	925-280-3960
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dhumphrey@acalanes.k12.ca.us
Operator Type:	Special District
Developer:	Acalanes Union High School District
Developer Address:	1212 Pleasant Hill Road
Developer City:	Lafayette
Developer State:	California
Developer Zip:	94549
Developer Contact:	Dave Humphrey
Developer Contact Title:	Director of Facilities
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	School
Constype Other Ind:	Y
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Tice Creek
Certifier:	Dave Humphrey
Certifier Title:	Director of Facilities
Certification Date:	29-JUN-11
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	2
Agency Number:	0
Regulatory Measure ID:	414205
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	2 07C361483
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/22/2011
Termination Date Of Regulatory Measure:	01/26/2017
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1212 Pleasant Hill Road
Discharge Name:	Acalanes Union High School District
Discharge City:	Lafayette
Discharge State:	California
Discharge Zip:	94549
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	414205
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07C361483
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/22/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/26/2017
Discharge Name:	Acalanes Union High School District
Discharge Address:	1212 Pleasant Hill Road

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Discharge City:	Lafayette
Discharge State:	California
Discharge Zip:	94549
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	414205
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 07C361483
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/26/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/29/2011
Processed Date:	07/22/2011
Status:	Terminated
Status Date:	01/26/2017
Place Size:	4.8
Place Size Unit:	Acres
Contact:	Dave Humphrey
Contact Title:	Director of Facilities
Contact Phone:	925-280-3960
Contact Phone Ext:	5904
Contact Email:	dhumphrey@acalanes.k12.ca.us
Operator Name:	Acalanes Union High School District
Operator Address:	1212 Pleasant Hill Road
Operator City:	Lafayette
Operator State:	California
Operator Zip:	94549
Operator Contact:	Dave Humphrey
Operator Contact Title:	Director of Facilities
Operator Contact Phone:	925-280-3960
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dhumphrey@acalanes.k12.ca.us
Operator Type:	Special District
Developer:	Acalanes Union High School District
Developer Address:	1212 Pleasant Hill Road
Developer City:	Lafayette
Developer State:	California
Developer Zip:	94549
Developer Contact:	Dave Humphrey
Developer Contact Title:	Director of Facilities
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

DEL VALLE EDUCATIONAL CENTER (Continued) **S105086749**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	School
Constype Other Ind:	Y
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Tice Creek
Certifier:	Dave Humphrey
Certifier Title:	Director of Facilities
Certification Date:	29-JUN-11
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CONTRA COSTA CO. SITE LIST:

Facility ID:	FA0027854
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	771078

CIWQS:

Agency:	Acalanes Union High School District
Agency Address:	1212 Pleasant Hill Road, Lafayette, CA 94549
Place/Project Type:	Construction - Other: School
SIC/NAICS:	Not reported
Region:	2
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	2 07C361483
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	07/22/2011
Termination Date:	01/26/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	37.88
Longitude:	-122.08

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAFAYETTE	S116165427	CHRISTIANSEN SITE	BETWEEN OLYMPIC & ANDREASEN	94549	ENVIROSTOR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/18/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 09/28/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/03/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 08/28/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 63

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/30/2018
Date Data Arrived at EDR: 09/27/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/18/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/09/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/09/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196
Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 22
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 23
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27
Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 08/16/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 8

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 22

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 11/01/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 4

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 30

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/23/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 31

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/25/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 7
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/04/2018
Number of Days to Update: 20
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CA4-174
1200 ROSSMOOR PARKWAY
WALNUT CREEK, CA 94595

TARGET PROPERTY COORDINATES

Latitude (North):	37.877123 - 37° 52' 37.64''
Longitude (West):	122.070964 - 122° 4' 15.47''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	581705.7
UTM Y (Meters):	4192383.0
Elevation:	234 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641124 WALNUT CREEK, CA
Version Date:	2012
South Map:	5640618 LAS TRAMPAS RIDGE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

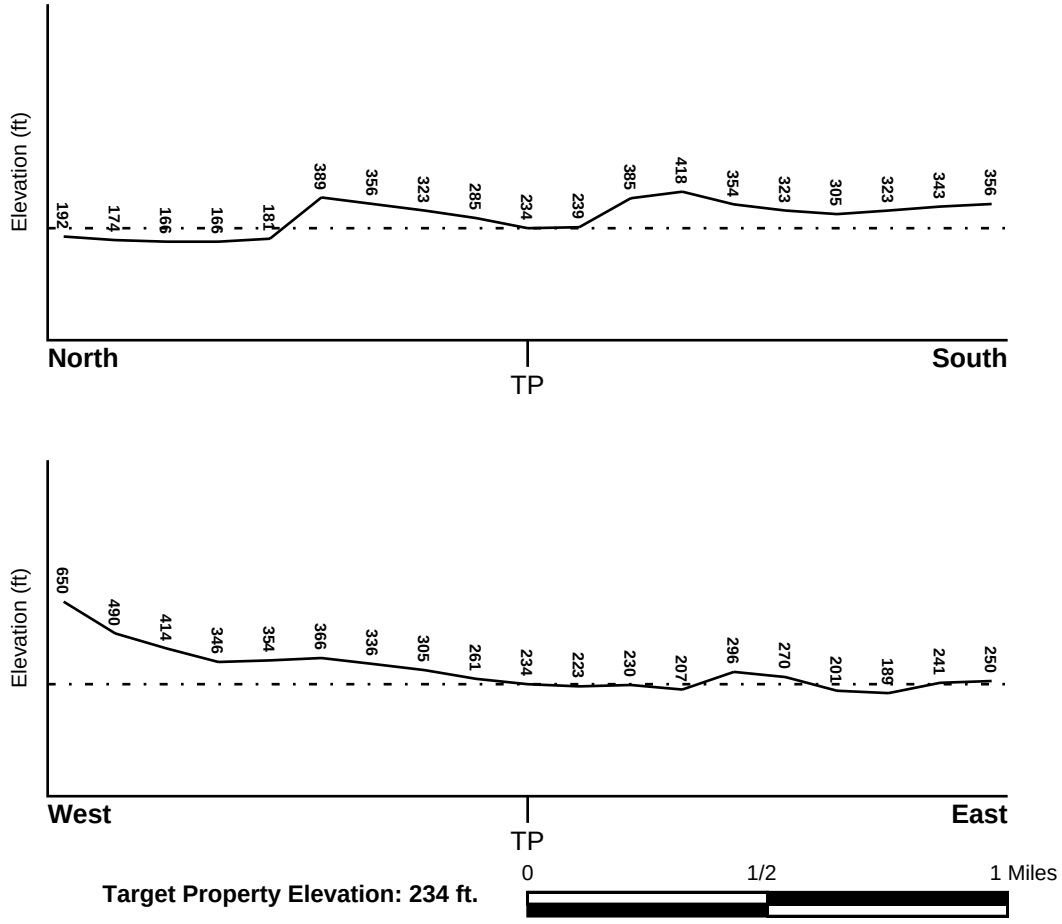
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

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

Flood Plain Panel at Target Property	FEMA Source Type
06013C0289F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06013C0293F	FEMA FIRM Flood data
06013C0427F	FEMA FIRM Flood data
06013C0431F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WALNUT CREEK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

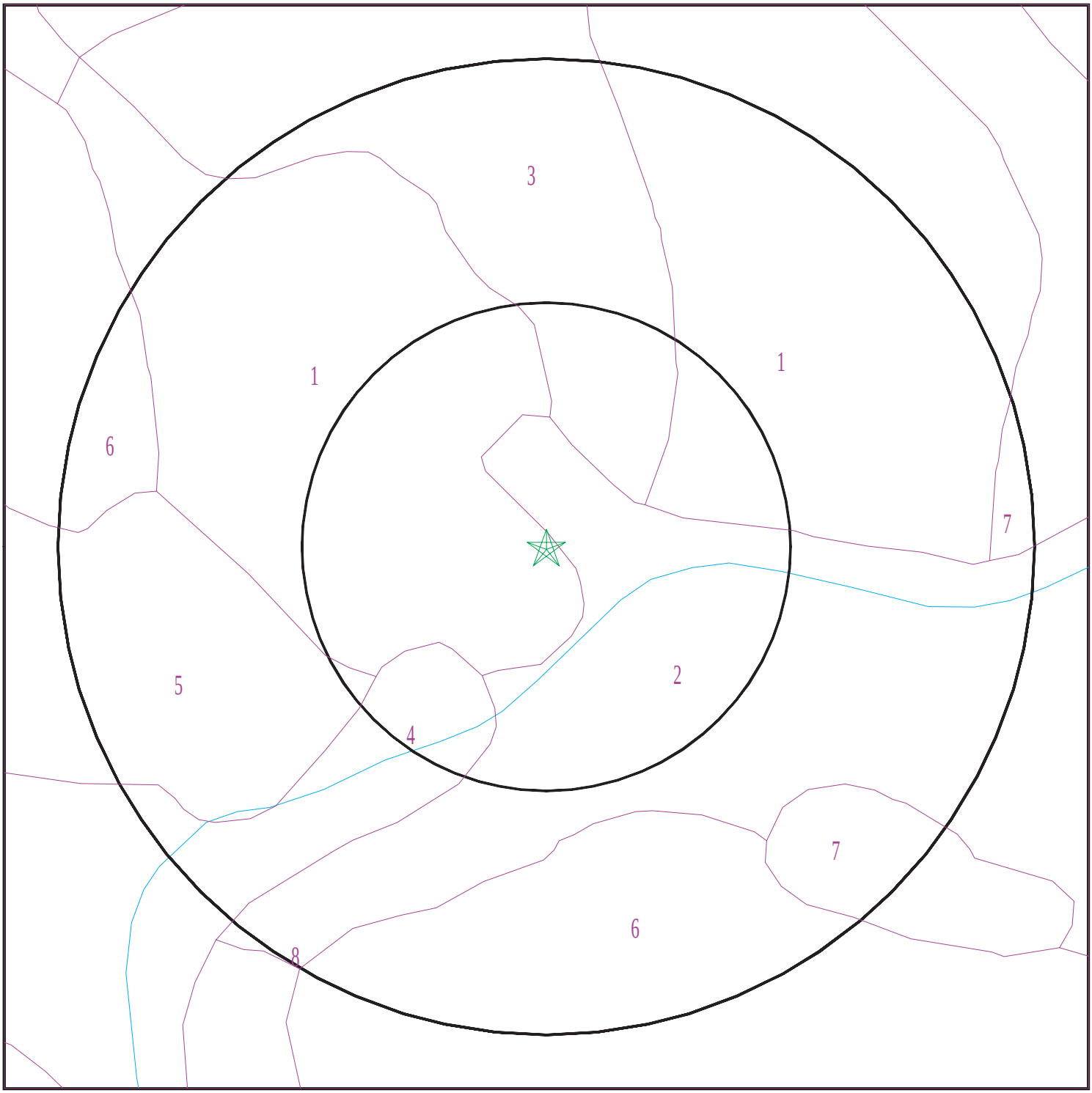
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5578638.20s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
		INQUIRY #:	5578638.20s
LAT/LONG:	37.877123 / 122.070964	DATE:	March 04, 2019 11:44 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CUT AND FILL LAND (fill part)

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	29 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: CUT AND FILL LAND (fill part)

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 30 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: ZAMORA

Soil Surface Texture: silty clay 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: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
2	16 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 5

Soil Component Name: CUT AND FILL LAND (fill part)

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 30 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: LODO

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 46 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	18 inches	22 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 7

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 4 Min: 1.4	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 4 Min: 1.4	Max: Min:
3	29 inches	33 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 4 Min: 1.4	Max: Min:

Soil Map ID: 8

Soil Component Name: TIERRA

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	25 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	59 inches	70 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CA0707619	1/2 - 1 Mile NNW

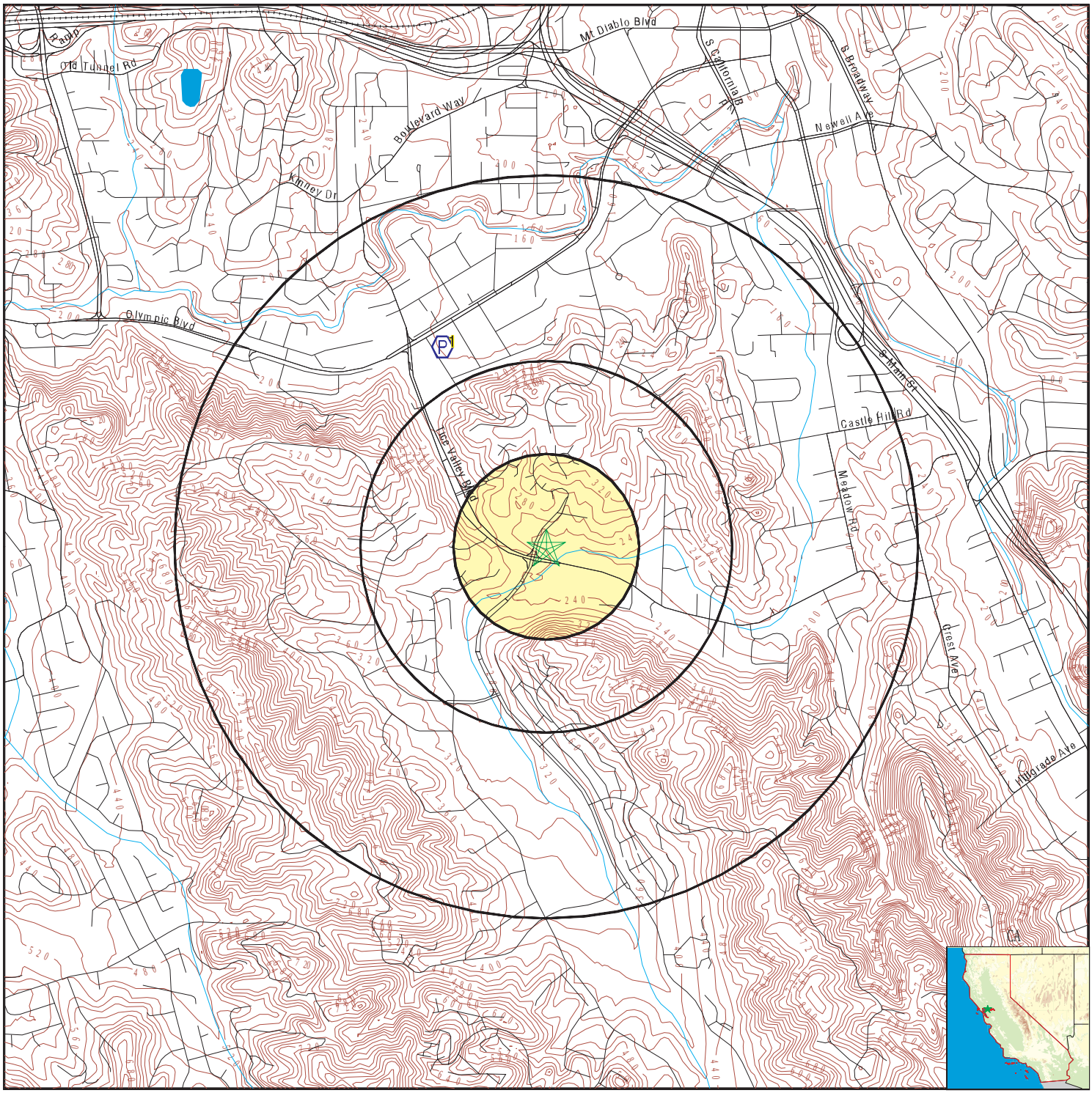
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 5578638.20s



- 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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
LAT/LONG:	37.877123 / 122.070964	INQUIRY #:	5578638.20s
		DATE:	March 04, 2019 11:43 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NNW
1/2 - 1 Mile
Lower | **FRDS PWS** | **CA0707619**

PWS ID:	CA0707619	PWS type:	System Owner/Responsible Party
PWS name:	MITCHELL & ANN WARD	PWS address:	Not Reported
PWS city:	WALNUT CREEK	PWS state:	CA
PWS zip:	94596	PWS ID:	CA0707619
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000200
System name:	TURTLE ROCK RANCH	System address:	MITCHELL & ANN WARD
System address:	1500 NORTHGATE RD	System city:	WALNUT CREEK
System state:	CA	System zip:	94596
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	375306	Longitude:	1220430

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94595	6	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94595

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.450 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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

APPENDIX E

EDR Vapor Encroachment Screen Report

CA4-174
1200 Rossmoor Parkway
Walnut Creek, CA 94595

Inquiry Number: 5578638.20s
March 27, 2019

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Executive Summary	**ES1**
Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	2	1
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	2	0
Local Lists of Registered Storage Tanks	0.25	0	2	1
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	3	2

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	2	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	2	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

CA4-174
1200 ROSSMOOR PARKWAY
WALNUT CREEK, CA 94595

COORDINATES

Latitude (North):	37.877123 - 37° 52′ 37.64923″
Longitude (West):	122.070964 - 122° 4′ 15.459595″
Elevation:	234 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CHEVRON STATION #92709	1998 TICE VALLEY BLVD	<1/10 W	▲ A1	9
CERS: CERS SWEEPS UST: SWEEPS UST ENF: ENF CERS TANKS: CERS TANKS LUST: LUST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST CERS HAZ WASTE: CERS HAZ WASTE				
UNOCAL SERVICE STATION #6098	1997 TICE VALLEY BLVD	<1/10 WSW	▲ B5	75
CERS: CERS SWEEPS UST: SWEEPS UST LUST: LUST CA FID UST: CA FID UST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST HIST UST: HIST UST				
U D C HOMES	1717 ROSSMOOR PKY	1/10 - 1/3 SW	▲ 7	92
SWEEPS UST: SWEEPS UST CERS: CERS LUST: LUST CA FID UST: CA FID UST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST				

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CHEVRON STATION #92709	1998 TICE VALLEY BLVD	<1/10 W	▲ A1	9
CERS: CERS SWEEPS UST: SWEEPS UST ENF: ENF CERS TANKS: CERS TANKS LUST: LUST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST CERS HAZ WASTE: CERS HAZ WASTE				
RITE AID #5947	1997 TICE VALLEY BLVD	<1/10 WSW	▲ B4	67
HAZNET: HAZNET CERS HAZ WASTE: CERS HAZ WASTE				
UNOCAL SERVICE STATION #6098	1997 TICE VALLEY BLVD	<1/10 WSW	▲ B5	75
CERS: CERS SWEEPS UST: SWEEPS UST LUST: LUST CA FID UST: CA FID UST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST HIST UST: HIST UST				
CONTRA COSTA COUNTY FIRE PROTE	1520 ROSSMOOR PARKWAY	1/10 - 1/3 SSW	▲ 6	85

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
CERS: CERS EMI: EMI CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST				
U D C HOMES	1717 ROSSMOOR PKY	1/10 - 1/3 SW	▲ 7	92
SWEEPS UST: SWEEPS UST CERS: CERS LUST: LUST CA FID UST: CA FID UST HIST CORTESE: HIST CORTESE CONTRA COSTA CO. SITE LIST: CONTRA COSTA CO. SITE LIST				

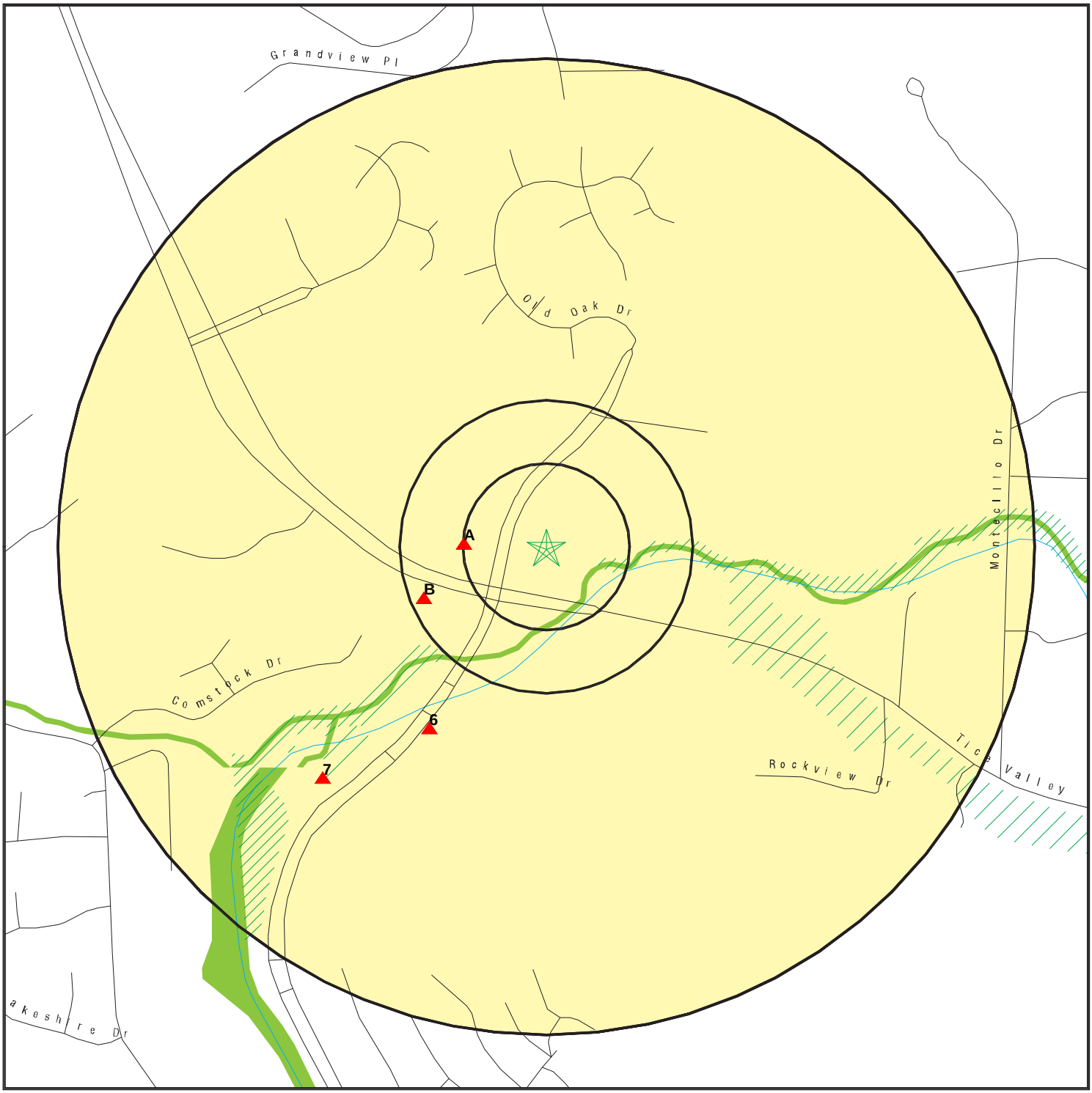
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
AL STEELES CHEVRON STATION	1998 TICE VALLEY BL	<1/10 W	▲ A2	65
EDR Hist Auto: EDR Hist Auto				
LEOS ROSSMOOR UNI-CAL	1997 TICE VALLEY BLVD	<1/10 WSW	▲ B3	66
EDR Hist Auto: EDR Hist Auto				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 5578638.20S



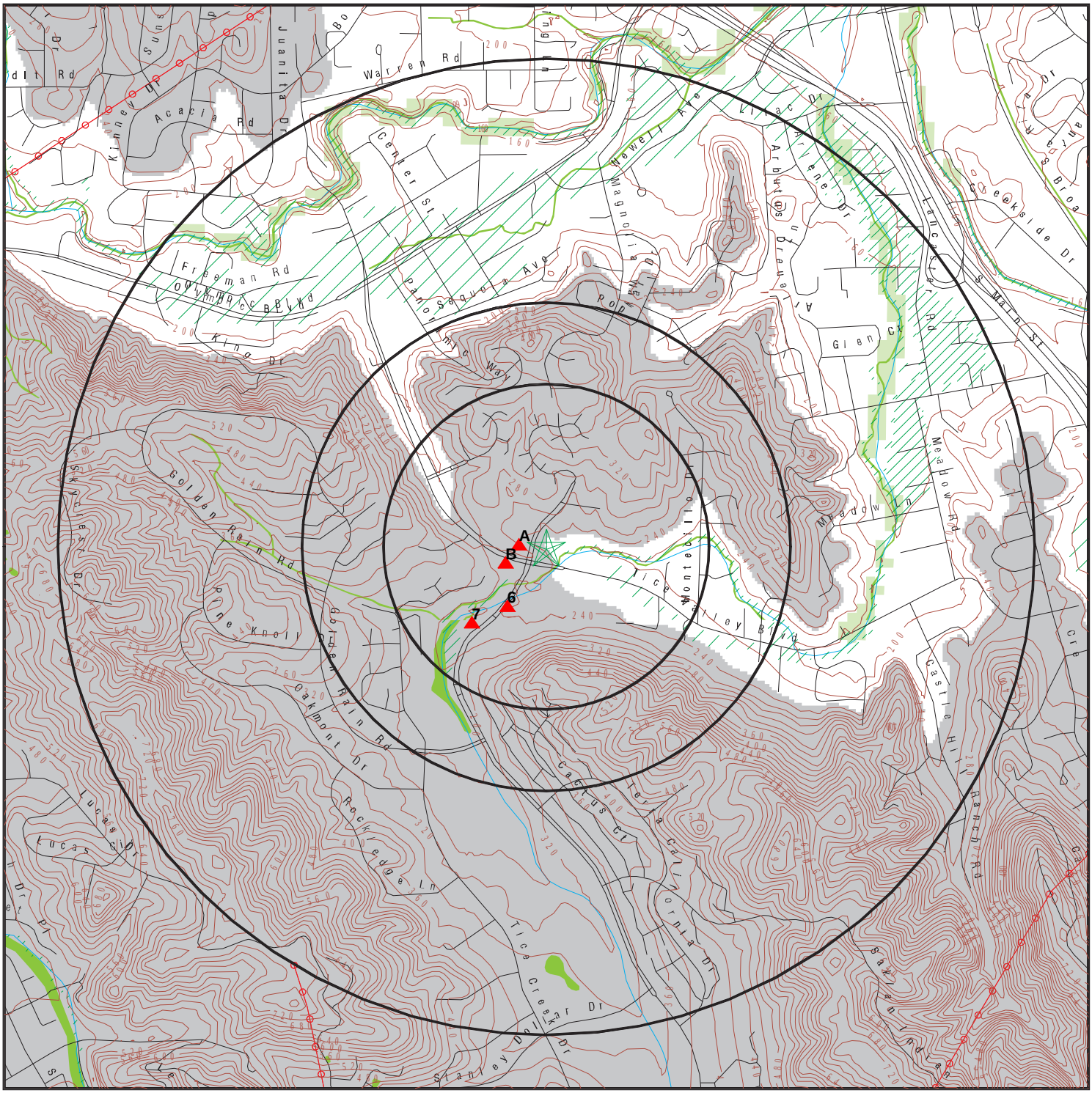
0 300 1/3 Miles

- 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
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
		INQUIRY #:	5578638.20s
LAT/LONG:	37.877123 / 122.070964	DATE:	March 04, 2019 11:39 am

SECONDARY MAP - 5578638.20S



0 1/3 1/2 1 Miles

- 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
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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:	CA4-174	CLIENT:	Wood Environment & Infrastructure Solutions, Inc.
ADDRESS:	1200 Rossmoor Parkway Walnut Creek CA 94595	CONTACT:	David Carden
		INQUIRY #:	5578638.20s
LAT/LONG:	37.877123 / 122.070964	DATE:	March 04, 2019 11:36 am

MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

CHEVRON STATION #92709 1998 TICE VALLEY BLVD, WALNUT CREEK, CA, 94595		S103639461
▲ A1	W <1/10 (298 ft. / 0.056 mi.) 29 ft. Higher Elevation 263 ft. Above Sea Level	State and tribal leaking storage tank lists Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

LUST: State and tribal leaking storage tank lists

Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300733
Global Id:	T0601300733
Latitude:	37.877167
Longitude:	-122.071988
Status:	Open - Site Assessment
Status Date:	06/01/2000
Case Worker:	KEB
RB Case Number:	07-0789
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not Reported
Local Case Number:	62304
Potential Media Affect:	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Surface water, Under Investigation
Potential Contaminants of Concern:	Dichloroethane (DCA), Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Naphthalene, Other Petroleum, Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating
Site History:	The site's land use as a retail service station dates back to the late 1960s, prior to which the property was vacant. Standard Oil and its successor, Chevron U.S.A. Inc., has leased the property for decades. The onsite building is also used as a commercial automobile

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

repair shop which contains three garage doors. The current site configuration consists of three 10,000-gallon unleaded gasoline underground storage tanks (USTs).A single-walled, steel, 1,000-gallon used oil UST located near the northeastern corner of the station building was removed in 1998 (Cambria 2006), and oil was observed in the tank cavity, resulting in the removal of 40 cubic yards of impacted soil to a depth of approximately 8.5 feet below ground surface (bgs). Water as observed in the tank pit, but was not sampled. At the direction of the Contra Costa County Health Services Department/Hazardous Materials Division, confirmatory post-excavation samples were analyzed for various compounds, including petroleum hydrocarbons and, because waste oils from the automotive repair station were stored in the UST, chlorinated hydrocarbons. The test results indicated the presence of very high concentrations of petroleum hydrocarbons and also chlorinated hydrocarbons, including tetrachloroethylene (PCE) at high concentrations (up to 11 mg/kg). The excavated, contaminated soil/bedrock was shipped to a Class I waste disposal facility in Port Arthur, Texas. As demonstrated by the confirmatory side wall samples, significant mass of pollutants were left in soil after the UST was removed. In addition, a release of approximately 4 gallons of unleaded gasoline occurred during a vapor recovery system upgrade in 2009. The excavation to remove the petroleum-impacted materials was halted at 2 feet due to hard bedrock. In the summer of 2013, the station was upgraded with new product dispensers, product lines, and new concrete surfaces. Excavations extended to over 3 feet below grade, and hard, fractured siltstones and sandstones were observed (but no groundwater entered the excavations). Soil vapor sampling conducted at the site has detected multiple chlorinated compounds and very high concentrations of TPH-gasoline and TPH-diesel. A 1,2-DCA groundwater plume underlies the service station building, but no vapor samples have been collected beneath the structure. There is an unknown risk for vapor intrusion at the site. The properties immediately adjacent to the site are commercial. The site is bounded on the north and west by the Rossmoor Shopping Center parking lot, on the south by Tice Valley Boulevard and a retail store parking lot beyond, on the southeast by the Tice Valley Boulevard-Rossmoor Parkway intersection and Tice

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Valley Park beyond, and on the east by Rossmoor Parkway and a bank located across the parkway. Tice Creek is located within a culvert directly south of the site.

LUST:

Global Id:	T0601300733
Contact Type:	Regional Board Caseworker
Contact Name:	KEVIN BROWN
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	kebrown@waterboards.ca.gov
Phone Number:	Not Reported

Global Id:	T0601300733
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not Reported

LUST:

Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	09/09/2015
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/03/2016
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0601300733
Action Type:	Other
Date:	04/24/1998
Action:	Leak Reported

Global Id:	T0601300733
Action Type:	RESPONSE
Date:	01/30/2007
Action:	Other Workplan

Global Id:	T0601300733
Action Type:	RESPONSE
Date:	07/31/2012
Action:	Correspondence

Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	03/11/2005
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	06/27/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/28/2016
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	01/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/05/1998
Action:	Unknown
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/26/2000
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	01/31/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	03/07/2013
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	02/19/2013
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	07/25/2017
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	05/08/2001
Action:	* Historical Enforcement
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/30/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/30/2009
Action:	13267 Monitoring Program
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/29/2009
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/25/2009
Action:	13267 Monitoring Program
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	05/20/2009
Action:	13267 Monitoring Program
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/22/2015
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	02/22/2018
Action:	Email Correspondence
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	07/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	04/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	05/21/2008
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	05/15/2007
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	07/31/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	01/31/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/11/2012
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/13/2013
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/28/2004
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	08/10/2011
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	12/06/2011
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/01/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/11/2000
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/08/2000
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	07/21/2013
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/05/1998
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	12/12/2012
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	03/12/2013
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/04/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/04/2013
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	08/23/2013
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	09/09/2012
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/01/2013
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/18/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	03/04/2013
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	09/22/2000
Action:	Staff Letter
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/04/2016
Action:	Meeting
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	10/04/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	01/23/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	05/31/2005
Action:	Well Installation Report
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/27/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	04/26/2000
Action:	Notice to Comply
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	02/12/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	01/24/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/11/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	06/25/2015
Action:	File Review - Closure
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	04/10/2014
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	02/24/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	11/24/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	04/30/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	07/19/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	03/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	03/16/2015
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	06/15/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	08/30/2004
Action:	Well Installation Report
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	11/02/2006
Action:	13267 Monitoring Program
Global Id:	T0601300733
Action Type:	ENFORCEMENT

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	10/30/2006
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/31/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	02/14/2001
Action:	Soil and Water Investigation Report
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/29/2015
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	12/29/2015
Action:	Other Report / Document
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	02/21/2007
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	01/24/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300733
Action Type:	Other
Date:	04/20/1998
Action:	Leak Discovery
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	04/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	04/03/2008
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	ENFORCEMENT
Date:	09/09/2015
Action:	13267 Requirement
Global Id:	T0601300733
Action Type:	Other

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Date:	04/20/1998
Action:	Leak Stopped
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/31/2011
Action:	Other Workplan
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	10/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	04/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	04/30/2012
Action:	Site Assessment Report
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	03/29/2012
Action:	Correspondence
Global Id:	T0601300733
Action Type:	RESPONSE
Date:	02/12/2001
Action:	Soil Vapor Intrusion Investigation Report

LUST:

Global Id:	T0601300733
Status:	Open - Case Begin Date
Status Date:	04/20/1998
Global Id:	T0601300733
Status:	Open - Site Assessment
Status Date:	09/08/1999
Global Id:	T0601300733
Status:	Open - Site Assessment
Status Date:	06/01/2000

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Site ID:	18412
CERS ID:	10008037
CERS Description:	Hazardous Waste Generator

Violations:

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-07-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/29/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency response/contingency plan, otherwise previous form or Chevron form for Hazardous Materials Business Plan [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 09/22/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/28/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	07-17-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-01-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-29-2016
Violations Found:	No

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-07-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-30-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-23-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-30-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-11-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Date:	08-05-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-12-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval General Type:	Other/Unknown
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	18412
Facility Name:	CHEVRON STATION #92709
Env Int Type Code:	HWG
Program ID:	10008037
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown
Latitude:	37.877132
Longitude:	-122.071999

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Acuna on behalf of Layne Statner
Entity Title:	RETAIL OE/HES SPECIALIST
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Operator
Entity Name:	Layne Statner
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Property Owner
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Acuna
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	UST Permit Applicant

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not Reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

SWEEPS UST: Local Lists of Registered Storage Tanks

Status:	Active

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	2
SWRCB Tank Id:	07-000-062304-000001
Tank Status:	A
Capacity:	10000
Active Date:	09-16-93
Tank Use:	M.V. FUEL
STG:	P
Content:	PLUS UNLEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	3
SWRCB Tank Id:	07-000-062304-000002
Tank Status:	A
Capacity:	10000
Active Date:	05-14-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not Reported
Status:	Active
Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	4
SWRCB Tank Id:	07-000-062304-000003
Tank Status:	A
Capacity:	10000
Active Date:	05-14-92
Tank Use:	M.V. FUEL
STG:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not Reported
Status:	Active

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Comp Number:	62304
Number:	2
Board Of Equalization:	44-031913
Referral Date:	05-14-92
Action Date:	07-22-92
Created Date:	07-22-88
Owner Tank Id:	1
SWRCB Tank Id:	07-000-062304-000004
Tank Status:	A
Capacity:	1000
Active Date:	05-14-92
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not Reported

CERS TANKS: Local Lists of Registered Storage Tanks

Site ID:	18412
CERS ID:	10008037
CERS Description:	Underground Storage Tank

Violations:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-07-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/29/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency response/contingency plan, otherwise previous form or Chevron form for Hazardous Materials Business Plan [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Contra Costa County Health Services Department

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 09/22/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/28/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violation Notes:	OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	07-17-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-01-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-07-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-30-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-23-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-30-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-11-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-05-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-12-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	18412
Facility Name:	CHEVRON STATION #92709
Env Int Type Code:	HWG
Program ID:	10008037
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown
Latitude:	37.877132
Longitude:	-122.071999

Affiliation:

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Acuna on behalf of Layne Statner
Entity Title:	RETAIL OE/HES SPECIALIST
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	Operator
Entity Name:	Layne Statner
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Property Owner
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Acuna

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not Reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

ENF: Other Ascertainable Records

Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported
Direction/Voice:	Passive
Enforcement Id(EID):	236379
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/08/2001
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not Reported
Program:	UST
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported
Direction/Voice:	Passive
Enforcement Id(EID):	236378
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/26/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not Reported
Program:	UST
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported
Direction/Voice:	Passive
Enforcement Id(EID):	236377
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/22/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not Reported
Program:	UST
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	2
Facility Id:	217547
Agency Name:	Chevron Environmental Management Company
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not Reported
Place Longitude:	Not Reported
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 07-0789
Reg Measure Id:	168534
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Direction/Voice:	Passive
Enforcement Id(EID):	236376
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	Not Reported
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 2 07-0789
Description:	Not Reported
Program:	UST
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE: Other Ascertainable Records

Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0789

CONTRA COSTA CO. SITE LIST: Other Ascertainable Records

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	762304

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	762304

Facility ID:	FA0032504
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Region:	CONTRA COSTA
Cupa Number:	762304

CERS TANKS: Other Ascertainable Records

Site ID:	245407
CERS ID:	T0601300733
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not Reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not Reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

Site ID:	18412
CERS ID:	10008037
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-07-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/29/2014.

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	OBSERVATION: The regular(87) annular sensor was wet with water upon removal from the tank. The sensor was in working condition, and was not in alarm prior to testing but when put back into tank would alarm. Sensor Length was verified to ensure condition was being measured at the bottom of the tank. Water was found in the 87/Regular annular/interstitial space indicating a possible leak in the secondary containment. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Tanknology had put in a work order to deal with the water in the tank before leaving the site. Have water removed, and perform secondary containment testing for the annular to determine if there is a leak in the secondary containment of the tank. Notify the CUPA at least 48 hours prior to testing, and send [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
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:	OBSERVATION: Failure to document and maintain training records for a minimum of 3 years. Training should be regarding safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response. Facility does emergency response training with the Designated Operator, and the designated operator training is documented but does not mark anywhere that this additional information is covered. In 2016 this additional training was documented separately. Chevron provides training log sheets in their CERS submittal. CORRECTIVE ACTION: Document and maintain training records for a minimum of three years. The Designated Operator form can be utilized, but should add an additional box/action items as necessary to cover non-tank related hazardous materials, emergency response and evacuation plans related to the emergency response/contingency plan, otherwise previous form or Chevron form for Hazardous Materials Business Plan [Truncated]
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

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:	OBSERVATION: 3 mobile used oil collection drums (~15 gal) were observed in the shop area without a hazardous waste label. Used Antifreeze tank label has the address partially missing, and other hazardous waste drums (waste flammable liquids, waste paper filters, waste oily debris, etc) had labels that were very faded and hard to read. In some cases accumulation start date was not visible. CORRECTIVE ACTION: Add hazardous waste labels (or laminated tags) to the mobile collection drums (Accumulation Start Date may be emptied daily). Rewrite info on the drums with faded labels so all labels are legible. Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 09/22/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/28/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
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 09/21/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. The current plan misidentifies the local UST/CUPA as Environmental Health and as such provides the wrong contact/notification number. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. The phone number for the local CUPA/UST Agency is 925-335-3200 or 925-335-3232 in the event of an emergency. CCHSHMP recommends that the plan be amended to name the local UST agency as Contra Costa Hazardous Material Programs instead of Environmental Health to avoid the issue of utilizing the wrong phone number.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Violation Date:	09-21-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/21/2016. CCR CHAP 16 2632 (2)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	07-17-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-01-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	No

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-07-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-30-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-23-2013

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-30-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-11-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-05-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-12-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Eval Date:	09-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-02-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-07-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	09-21-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	18412
Site Name:	CHEVRON STATION #92709
Site Address:	1998 TICE VALLEY BLVD
Site City:	WALNUT CREEK
Site Zip:	94595
Enf Action Date:	10-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not Reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	18412
Facility Name:	CHEVRON STATION #92709
Env Int Type Code:	HWG
Program ID:	10008037

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Coord Name:	Not Reported
Ref Point Type Desc:	Unknown
Latitude:	37.877132
Longitude:	-122.071999

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Gerardo Acuna on behalf of Layne Statner
Entity Title:	RETAIL OE/HES SPECIALIST
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Operator
Entity Name:	Layne Statner
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 944-0899

Affiliation Type Desc:	Property Owner
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States
Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Gerardo Acuna
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 10/13/2015
Entity Title:	RETAIL HES
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RF ROSSMOOR INC C/O CASSIDY TURLEY
Entity Title:	Not Reported
Affiliation Address:	55 BARNES WEST DR STE 500
Affiliation City:	SAINT LOUIS
Affiliation State:	MO
Affiliation Country:	United States

CHEVRON STATION #92709, 1998 TICE VALLEY BLVD, WALNUT CREEK, CA 94595 (Continued)

Affiliation Zip:	63141
Affiliation Phone:	(925) 201-5880
Affiliation Type Desc:	UST Tank Operator
Entity Name:	TICE VALLEY PETRO.,INC. - LAYNE STATNER
Entity Title:	Not Reported
Affiliation Address:	1998 TICE VALLEY BLVD 92709
Affiliation City:	WALNUT CREEK
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94595
Affiliation Phone:	(925) 944-0899
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A.INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004 ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not Reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

AL STEELES CHEVRON STATION 1998 TICE VALLEY BL, WALNUT CREEK, CA, 94529			1020618067
▲ A2	W <1/10	(298 ft. / 0.056 mi.)	EDR Exclusive Records
	29 ft. Higher Elevation	263 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1969:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1970:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1971:	AL STEELS CHEVRON STATION / Gasoline Service Stations
1972:	AL STEELS CHEVRON STATION / Gasoline Service Stations
1973:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1974:	AL STEELES CHEVRON STATION / Gasoline Service Stations

AL STEELES CHEVRON STATION, 1998 TICE VALLEY BL, WALNUT CREEK, CA 94529 (Continued)

1976:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1977:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1978:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1979:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1980:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1982:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1983:	AL STEELES CHEVRON STATION / Gasoline Service Stations
1987:	ROSSMOOR CHEVRON / Gasoline Service Stations
1988:	ROSSMOOR CHEVRON / Gasoline Service Stations
1989:	ROSSMOOR CHEVRON / Gasoline Service Stations, NEC
1990:	ROSSMOOR CHEVRON / Gasoline Service Stations, NEC
1991:	ROSSMOOR CHEVRON / Gasoline Service Stations, NEC
1992:	ROSSMOOR CHEVRON / Gasoline Service Stations, NEC
1993:	ROSSMOOR CHEVRON / Gasoline Service Stations, NEC
1994:	MC GUIRE MIKE / Gasoline Service Stations, NEC
1995:	MC GUIRE MIKE / Gasoline Service Stations, NEC
1996:	MC GUIRE MIKE / Gasoline Service Stations, NEC
1997:	MC GUIRE MIKE / Gasoline Service Stations, NEC
1998:	MC GUIRE MIKE / Gasoline Service Stations, NEC
2001:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2002:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2002:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2003:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2003:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2004:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2004:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2005:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2005:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2006:	ROSSMOOR CHEVRON SERVICE CTR / Gasoline Service Stations
2006:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2007:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2007:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2008:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2008:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2009:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2009:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2010:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2010:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2011:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2011:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2012:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2012:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2013:	CHEVRON TANK MNTRING CNTNTL US / Gasoline Service Stations
2013:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC
2014:	CHEVRON MOUNTAIN PETROLEUM / Gasoline Service Stations, NEC

LEOS ROSSMOOR UNI-CAL
1997 TICE VALLEY BLVD, WALNUT CREEK, CA, 94595 1021592376

▲ B3	WSW <1/10	(482 ft. / 0.091 mi.)	EDR Exclusive Records
	14 ft. Higher Elevation	248 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1971:	ROSE VERNON / Gasoline Service Stations
1972:	ROSE VERNON / Gasoline Service Stations
1973:	ROSE VERNON / Gasoline Service Stations
1974:	ROSE VERNON / Gasoline Service Stations
1988:	LEOS ROSSMOOR UNI-CAL / Gasoline Service Stations
1989:	LEOS ROSSMOOR UNI-CAL / Gasoline Service Stations, NEC
1990:	LEOS ROSSMOOR UNI-CAL / Gasoline Service Stations, NEC
1991:	LEOS ROSSMOOR UNI-CAL / Gasoline Service Stations, NEC

RITE AID #5947
1997 TICE VALLEY BLVD, WALNUT CREEK, CA, 945952201 S113803002

▲ B4	WSW <1/10	(482 ft. / 0.091 mi.)	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records
	14 ft. Higher Elevation	248 ft. Above Sea Level	

Worksheet:

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Site ID:	61966
CERS ID:	10018081
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Eval Date:	07-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Coordinates:

Site ID:	61966
Facility Name:	RITE AID #5947
Env Int Type Code:	HWG
Program ID:	10018081
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown
Latitude:	37.876438
Longitude:	-122.072563

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	30 Hunter Lane, attn EHS
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	17011
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 3165
Affiliation City:	HARRISBURG
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17105
Affiliation Phone:	(717) 761-2633
Affiliation Type Desc:	Operator
Entity Name:	RITE AID #5947

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 932-0568
Affiliation Type Desc:	Property Owner
Entity Name:	Faxon-Payless
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 1295
Affiliation City:	Menlo Park
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94026
Affiliation Phone:	(650) 324-2354
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Crozier
Entity Title:	Not Reported
Affiliation Address:	30 HUNTER LN
Affiliation City:	CAMP HILL
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	17011
Affiliation Phone:	(717) 975-8643
Affiliation Type Desc:	Identification Signer
Entity Name:	David Crozier
Entity Title:	Manager, EHS
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Site ID:	61966
CERS ID:	10018081
CERS Description:	RCRA LQ HW Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-21-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Eval Notes:	Not Reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Coordinates:

Site ID:	61966
Facility Name:	RITE AID #5947
Env Int Type Code:	HWG
Program ID:	10018081
Coord Name:	Not Reported
Ref Point Type Desc:	Unknown
Latitude:	37.876438
Longitude:	-122.072563

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	30 Hunter Lane, attn EHS
Affiliation City:	Camp Hill
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	17011
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 3165
Affiliation City:	HARRISBURG
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17105
Affiliation Phone:	(717) 761-2633
Affiliation Type Desc:	Operator
Entity Name:	RITE AID #5947
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(925) 932-0568
Affiliation Type Desc:	Property Owner
Entity Name:	Faxon-Payless
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 1295

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Affiliation City:	Menlo Park
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94026
Affiliation Phone:	(650) 324-2354
Affiliation Type Desc:	Environmental Contact
Entity Name:	David Crozier
Entity Title:	Not Reported
Affiliation Address:	30 HUNTER LN
Affiliation City:	CAMP HILL
Affiliation State:	PA
Affiliation Country:	Not Reported
Affiliation Zip:	17011
Affiliation Phone:	(717) 975-8643
Affiliation Type Desc:	Identification Signer
Entity Name:	David Crozier
Entity Title:	Manager, EHS
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

HAZNET: Other Ascertainable Records

Facility Name:	RITE AID #5947
envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not Reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	INR000110197
TSD County:	Not Reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.055
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Contra Costa

envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not Reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Contra Costa

envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not Reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400

RITE AID #5947, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 945952201 (Continued)

Gen County:	Contra Costa
TSD EPA ID:	INR000110197
TSD County:	Not Reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Not Reported
Tons:	0.1155
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Contra Costa
envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not Reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	INR000110197
TSD County:	Not Reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0185
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Contra Costa
envid:	S113803002
Year:	2014
GEPAID:	CAL000380160
Contact:	STEPHANIE A. CAIATI
Telephone:	7177308225
Mailing Name:	Not Reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 170112400
Gen County:	Contra Costa
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.006
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Contra Costa

The Click here to access 9 additional CA_HAZNET: record(s) in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4eJ45AekVJqA2UW5m9Afq98sksfVCc3Eoq2LAiY6rxUToW.43H5me59P7BV6fVzqab2aQ8WtsB03Ocsgffiu2cWCLBcqp4geeiuJ8e2u95etAwm8WOkwNV0T2v6q9XAou5SpUBIW4Z2iGmrI9cH6uvfXbqCU34u8l2sIlB0usoQfmj4MUe0gJyE3Nc5mLAVh3DFkjVVPu7IbqBZAN37UyU9lWb89.VmIE9unA0qf3sqYB8Kl8nXsKy5OHsGcfd2ALwCgLcAr1byE0hovp4Cg2.gLKK2LkiCfYAQuItrCrxYF4oCebhJrR3XC58nAN62oIkH9VYRUoQqDoAfn3FpUhkWob3nKmhY9Sm5EofuZqcZAbx8NXsZg2PRs29fc65tnCulcza2WqEoWolD2hf2qoL3w4zLi64Ymp2 additional records for this site. Please contact your EDR Account Executive for more information.

UNOCAL SERVICE STATION #6098 1997 TICE VALLEY BLVD, WALNUT CREEK, CA, 94596			S101580783
▲ B5	WSW <1/10	(482 ft. / 0.091 mi.)	State and tribal leaking storage tank lists Local Lists of Registered Storage Tanks Other Ascertainable Records
	14 ft. Higher Elevation	248 ft. Above Sea Level	

Worksheet:

LUST: State and tribal leaking storage tank lists

Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300331
Global Id:	T0601300331
Latitude:	37.876456
Longitude:	-122.072594
Status:	Completed - Case Closed
Status Date:	12/12/1996
Case Worker:	KEB
RB Case Number:	07-0354
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not Reported
Local Case Number:	54268
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported

LUST:

Global Id:	T0601300331
Contact Type:	Regional Board Caseworker
Contact Name:	KEVIN BROWN
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	kebrown@waterboards.ca.gov
Phone Number:	Not Reported

Global Id:	T0601300331
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not Reported

LUST:

Global Id:	T0601300331
Action Type:	Other
Date:	08/19/1987
Action:	Leak Reported

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/13/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	09/07/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/05/1994
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/15/1990
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	09/30/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/25/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/12/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/27/1989
Action:	Monitoring Report - Other
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/14/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/31/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/18/1995
Action:	Monitoring Report - Quarterly

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/31/1997
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/18/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/12/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/31/1995
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	06/19/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	10/02/1995
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	10/21/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/22/1992
Action:	Other Workplan
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	02/14/1990
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/27/1987
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	12/08/1993
Action:	Other Report / Document

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/14/1987
Action:	Soil and Water Investigation Report
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/20/1994
Action:	Well Destruction Report
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	10/22/1992
Action:	Well Destruction Report
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	06/12/1989
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/19/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	06/13/1990
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	06/18/1992
Action:	Other Workplan
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/11/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	07/02/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	02/08/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	06/30/1992
Action:	Corrective Action Plan / Remedial Action Plan - Addendum

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	RESPONSE
Date:	02/19/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/06/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/15/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/27/1987
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	10/23/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/20/1991
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/10/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	10/14/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/14/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/29/1992
Action:	Request for Closure
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	09/27/1988
Action:	Other Report / Document

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	RESPONSE
Date:	02/19/1997
Action:	Correspondence
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	08/14/1987
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	08/19/1991
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	01/16/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	03/18/1987
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/09/1987
Action:	Other Report / Document
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	04/09/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	11/22/1996
Action:	Request for Closure
Global Id:	T0601300331
Action Type:	RESPONSE
Date:	05/14/1996
Action:	Request for Closure
Global Id:	T0601300331
Action Type:	ENFORCEMENT
Date:	12/11/1996
Action:	Staff Letter
Global Id:	T0601300331
Action Type:	Other
Date:	08/19/1987
Action:	Leak Discovery

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Global Id:	T0601300331
Action Type:	Other
Date:	08/19/1987
Action:	Leak Stopped

LUST:

Global Id:	T0601300331
Status:	Completed - Case Closed
Status Date:	12/12/1996
Global Id:	T0601300331
Status:	Open - Case Begin Date
Status Date:	03/10/1987
Global Id:	T0601300331
Status:	Open - Remediation
Status Date:	10/14/1993
Global Id:	T0601300331
Status:	Open - Site Assessment
Status Date:	03/10/1987
Global Id:	T0601300331
Status:	Open - Site Assessment
Status Date:	01/16/1992

SWEEPS UST: Local Lists of Registered Storage Tanks

Status:	Active
Comp Number:	54268
Number:	2
Board Of Equalization:	44-001057
Referral Date:	12-03-91
Action Date:	12-03-91
Created Date:	07-22-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	Not Reported
Tank Status:	Not Reported
Capacity:	Not Reported
Active Date:	Not Reported
Tank Use:	Not Reported
STG:	Not Reported
Content:	Not Reported
Number Of Tanks:	Not Reported
Status:	Not Reported
Comp Number:	54268
Number:	Not Reported
Board Of Equalization:	44-001057
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-054268-000001
Tank Status:	Not Reported
Capacity:	10000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Not Reported
Comp Number:	54268
Number:	Not Reported
Board Of Equalization:	44-001057
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-054268-000002
Tank Status:	Not Reported
Capacity:	10000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	PRM UNLEADED
Number Of Tanks:	Not Reported
Status:	Not Reported
Comp Number:	54268
Number:	Not Reported
Board Of Equalization:	44-001057
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-054268-000003
Tank Status:	Not Reported
Capacity:	520
Active Date:	Not Reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not Reported
Status:	Not Reported
Comp Number:	54268
Number:	Not Reported
Board Of Equalization:	44-001057
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-054268-000004
Tank Status:	Not Reported
Capacity:	520
Active Date:	Not Reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not Reported

HIST UST: Local Lists of Registered Storage Tanks

File Number:	000230B3
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000230B3.pdf
Region:	Not Reported
Facility ID:	Not Reported
Facility Type:	Not Reported
Other Type:	Not Reported
Contact Name:	Not Reported
Telephone:	Not Reported
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner City,St,Zip:	Not Reported
Total Tanks:	Not Reported
Tank Num:	Not Reported
Container Num:	Not Reported
Year Installed:	Not Reported
Tank Capacity:	Not Reported
Tank Used for:	Not Reported
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Not Reported
Click here for Geo Tracker PDF:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_HISTUST_PDF&img_id=000230B3

CA FID UST: Local Lists of Registered Storage Tanks

Facility ID:	07000447
Regulated By:	UTNKA
Regulated ID:	CAD981991
Cortese Code:	Not Reported
SIC Code:	Not Reported
Facility Phone:	4159355419
Mail To:	Not Reported
Mailing Address:	P O BOX
Mailing Address 2:	Not Reported
Mailing City,St,Zip:	WALNUT CREEK 94596
Contact:	Not Reported
Contact Phone:	Not Reported
DUNs Number:	Not Reported
NPDES Number:	Not Reported

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

EPA ID:	Not Reported
Comments:	Not Reported
Status:	Active

HIST CORTESE: Other Ascertainable Records

Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0354

CONTRA COSTA CO. SITE LIST: Other Ascertainable Records

Facility ID:	FA0032400
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	754268

Facility ID:	FA0032400
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	754268

Facility ID:	FA0030121
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	RCRA LQG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	773452

Facility ID:	FA0030121
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: RCRA LQG LEGACY PROGRAM
Region:	CONTRA COSTA
Cupa Number:	773452

CERS TANKS: Other Ascertainable Records

Site ID:	217944
CERS ID:	T0601300331
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not Reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ

UNOCAL SERVICE STATION #6098, 1997 TICE VALLEY BLVD, WALNUT CREEK, CA 94596 (Continued)

Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not Reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

CONTRA COSTA COUNTY FIRE PROTE 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA, 94595		S109281232
▲ 6	SSW 1/10 - 1/3 (784 ft. / 0.149 mi.)	Other Ascertainable Records
	6 ft. Higher Elevation 240 ft. Above Sea Level	

Worksheet:

EMI: Other Ascertainable Records

Year:	2006
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952
Year:	2007
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952
Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.001
Reactive Organic Gases Tons/Yr:	.0008367
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976
Year:	2009
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	8.3670000000000001E-4
Carbon Monoxide Emissions Tons/Yr:	3.0000000000000001E-3
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7599999999999998E-4
Year:	2010
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	6.0000000000000001E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2011
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
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 Smllr Tons/Yr:	0
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	0.0008367
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0010245901639
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001
Year:	2013
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	0.0008367
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.012
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001
Year:	2014
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.011729458
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235
Year:	2015

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0.000822127
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.01172946
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235

Year:	2016
County Code:	7
Air Basin:	SF
Facility ID:	14375
Air District Name:	BA
SIC Code:	9224
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000844429
Reactive Organic Gases Tons/Yr:	0.0007418308765
Carbon Monoxide Emissions Tons/Yr:	0.002549999
NOX - Oxides of Nitrogen Tons/Yr:	0.011729458
SOX - Oxides of Sulphur Tons/Yr:	5.438e-006
Particulate Matter Tons/Yr:	0.000873161
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000838235

CONTRA COSTA CO. SITE LIST: Other Ascertainable Records

Facility ID:	FA0029891
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773220

CERS TANKS: Other Ascertainable Records

Site ID:	107899
CERS ID:	10017388

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not Reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 107899
Facility Name: CONTRA COSTA FIRE STA #03
Env Int Type Code: HMBP
Program ID: 10017388
Coord Name: Not Reported
Ref Point Type Desc: Unknown
Latitude: 37.875317
Longitude: -122.072405

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Wendy Riley
Entity Title: Not Reported
Affiliation Address: 4005 Port Chicago Highway, Suite 250
Affiliation City: Concord
Affiliation State: CA
Affiliation Country: Not Reported
Affiliation Zip: 94520
Affiliation Phone: (925) 941-3300

Affiliation Type Desc: Operator
Entity Name: CONTRA COSTA COUNTY FIRE DIST
Entity Title: Not Reported
Affiliation Address: Not Reported
Affiliation City: Not Reported
Affiliation State: Not Reported
Affiliation Country: Not Reported
Affiliation Zip: Not Reported
Affiliation Phone: (925) 941-3300

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not Reported
Affiliation Address: 4005 Port Chicago Highway, Suite 250
Affiliation City: Concord
Affiliation State: CA
Affiliation Country: Not Reported

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

Affiliation Zip:	94520
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Contra Costa Fire Protection District
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Property Owner
Entity Name:	CONTRA COSTA COUNTY FIRE DIST
Entity Title:	Not Reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(925) 941-3300
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not Reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 335-3200
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Marshall
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Marshall
Entity Title:	Fire Marshal
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

CONTRA COSTA COUNTY FIRE PROTE, 1520 ROSSMOOR PARKWAY, WALNUT CREEK, CA 94595 (Continued)

Affiliation Type Desc:	Legal Owner
Entity Name:	CONTRA COSTA COUNTY FIRE DIST
Entity Title:	Not Reported
Affiliation Address:	4005 Port Chicago Highway, Suite 250
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(925) 941-3300

U D C HOMES 1717 ROSSMOOR PKY, WALNUT CREEK, CA, 94596			S101580778
▲ 7	SW 1/10 - 1/3	(1164 ft. / 0.221 mi.)	State and tribal leaking storage tank lists Local Lists of Registered Storage Tanks Other Ascertainable Records
	15 ft. Higher Elevation	249 ft. Above Sea Level	

Worksheet:

LUST: State and tribal leaking storage tank lists

Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300313
Global Id:	T0601300313
Latitude:	37.874912
Longitude:	-122.073855
Status:	Completed - Case Closed
Status Date:	03/04/1997
Case Worker:	KEB
RB Case Number:	07-0335
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not Reported
Local Case Number:	18545
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported

LUST:

Global Id:	T0601300313
Contact Type:	Regional Board Caseworker
Contact Name:	KEVIN BROWN
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	kebrown@waterboards.ca.gov
Phone Number:	Not Reported

Global Id:	T0601300313
Contact Type:	Local Agency Caseworker
Contact Name:	SUE LOYD

U D C HOMES, 1717 ROSSMOOR PKY, WALNUT CREEK, CA 94596 (Continued)

Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BLVD.
City:	MARTINEZ
Email:	sloyd@hsd.co.contra-costa.ca.us
Phone Number:	Not Reported

LUST:

Global Id:	T0601300313
Action Type:	Other
Date:	09/29/1987
Action:	Leak Reported
Global Id:	T0601300313
Action Type:	ENFORCEMENT
Date:	09/19/2002
Action:	Staff Letter
Global Id:	T0601300313
Action Type:	ENFORCEMENT
Date:	06/24/2003
Action:	File review
Global Id:	T0601300313
Action Type:	Other
Date:	07/09/1987
Action:	Leak Discovery
Global Id:	T0601300313
Action Type:	RESPONSE
Date:	06/24/2003
Action:	Unknown
Global Id:	T0601300313
Action Type:	Other
Date:	07/09/1987
Action:	Leak Stopped

LUST:

Global Id:	T0601300313
Status:	Completed - Case Closed
Status Date:	03/04/1997
Global Id:	T0601300313
Status:	Open - Case Begin Date
Status Date:	07/09/1987
Global Id:	T0601300313
Status:	Open - Site Assessment
Status Date:	05/17/1994

SWEEPS UST: Local Lists of Registered Storage Tanks

U D C HOMES, 1717 ROSSMOOR PKY, WALNUT CREEK, CA 94596 (Continued)

Status:	Not Reported
Comp Number:	18545
Number:	Not Reported
Board Of Equalization:	Not Reported
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-018545-000001
Tank Status:	Not Reported
Capacity:	4000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Not Reported
Comp Number:	18545
Number:	Not Reported
Board Of Equalization:	Not Reported
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-018545-000002
Tank Status:	Not Reported
Capacity:	2000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not Reported

Status:	Not Reported
Comp Number:	18545
Number:	Not Reported
Board Of Equalization:	Not Reported
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	07-000-018545-000003
Tank Status:	Not Reported
Capacity:	1000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not Reported

U D C HOMES, 1717 ROSSMOOR PKY, WALNUT CREEK, CA 94596 (Continued)

CA FID UST: Local Lists of Registered Storage Tanks

Facility ID:	07000415
Regulated By:	UTNKI
Regulated ID:	Not Reported
Cortese Code:	Not Reported
SIC Code:	Not Reported
Facility Phone:	4159323900
Mail To:	Not Reported
Mailing Address:	P O BOX
Mailing Address 2:	Not Reported
Mailing City,St,Zip:	WALNUT CREEK 94596
Contact:	Not Reported
Contact Phone:	Not Reported
DUNs Number:	Not Reported
NPDES Number:	Not Reported
EPA ID:	Not Reported
Comments:	Not Reported
Status:	Inactive

HIST CORTESE: Other Ascertainable Records

Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	07-0335

CONTRA COSTA CO. SITE LIST: Other Ascertainable Records

Facility ID:	FA0031860
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	718545

CERS TANKS: Other Ascertainable Records

Site ID:	239096
CERS ID:	T0601300313
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD - CONTRA COSTA COUNTY
Entity Title:	Not Reported
Affiliation Address:	4333 PACHECO BLVD.
Affiliation City:	MARTINEZ
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported

U D C HOMES, 1717 ROSSMOOR PKY, WALNUT CREEK, CA 94596 (Continued)

Affiliation Phone:	Not Reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not Reported
Affiliation Address:	1515 CLAY STREET, SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	12/12/2018	12/28/2018	01/11/2019
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/12/2018	12/28/2018	01/11/2019
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	12/12/2018	12/28/2018	01/11/2019
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/01/2018	03/28/2018	06/22/2018
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	10/17/2018	10/25/2018	12/07/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	07/31/2018	08/28/2018	09/14/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	07/31/2018	08/28/2018	09/14/2018
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/24/2018	09/25/2018	11/09/2018
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	10/29/2018	10/30/2018	12/13/2018
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	10/29/2018	10/30/2018	12/13/2018
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	11/12/2018	11/14/2018	12/13/2018
State and tribal leaking storage tank lists						
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
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 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
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 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 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 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
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 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/10/2018	05/18/2018	07/20/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/12/2018	05/18/2018	07/20/2018
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
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 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 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
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
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	12/10/2018	12/11/2018	01/15/2019
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	12/10/2018	12/12/2018	01/16/2019
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	12/04/2018	12/06/2018	12/14/2018
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	10/29/2018	10/30/2018	12/13/2018
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	12/20/2018	12/21/2018	02/28/2019
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2018	10/12/2018	12/07/2018
US	ROD	Records Of Decision	EPA	12/12/2018	12/28/2018	01/11/2019
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/12/2018	12/28/2018	01/11/2019
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	12/10/2018	12/12/2018	01/15/2019
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	09/11/2018	09/12/2018	10/11/2018
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/12/2018	12/28/2018	01/11/2019
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	08/31/2018	09/25/2018	11/09/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/21/2018	09/21/2018	11/09/2018
US	Delisted NPL	National Priority List Deletions	EPA	12/12/2018	12/28/2018	01/11/2019
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/13/2018	12/28/2018	01/11/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/27/2018	06/08/2018
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	10/01/2018	10/30/2018	01/18/2019
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	09/21/2018	09/21/2018	11/09/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/17/2018	12/18/2018	01/11/2019
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/01/2018	08/29/2018	10/05/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	08/13/2018	10/04/2018	11/09/2018
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
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	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	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	09/14/2018	10/11/2018	12/07/2018
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/02/2018	10/03/2018	11/09/2018
US	FINDS	Facility Index System/Facility Registry System	EPA	11/15/2018	12/05/2018	01/11/2019
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	10/26/2018	11/06/2018	01/11/2019
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
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
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2017	06/12/2018	08/06/2018
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	04/06/2018	04/24/2018	06/14/2018
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	12/20/2018	12/21/2018	02/28/2019
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	08/28/2018	08/30/2018	11/01/2018
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	09/11/2018	09/12/2018	09/19/2018
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	12/03/2018	12/05/2018	01/11/2019
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/30/2018	09/27/2018	11/01/2018
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	11/13/2018	12/04/2018	01/15/2019
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	10/04/2018	10/05/2018	11/01/2018
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/20/2018	08/06/2018
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	11/01/2018	11/02/2018	12/13/2018
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	10/19/2018	10/23/2018	11/30/2018
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	11/18/2018	11/19/2018	01/11/2019
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	09/26/2018	09/28/2018	11/01/2018
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2017	10/10/2018	11/16/2018
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	11/19/2018	11/19/2018	01/11/2019
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	10/09/2018	10/10/2018	11/16/2018
CA	ICE	ICE	Department of Toxic Subsances Control	11/19/2018	11/19/2018	01/11/2019
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	12/10/2018	12/11/2018	01/15/2019
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	11/29/2018	12/04/2018	01/11/2019
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	MINES	Mines Site Location Listing	Department of Conservation	12/10/2018	12/12/2018	01/15/2019
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	11/09/2018	12/05/2018	01/11/2019
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	11/12/2018	11/14/2018	12/13/2018
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	12/03/2018	12/05/2018	01/11/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	PROC	Certified Processors Database	Department of Conservation	12/10/2018	12/12/2018	01/15/2019
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	09/19/2018	09/20/2018	10/19/2018
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	10/29/2018	10/30/2018	12/13/2018
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
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	04/27/2018	06/13/2018	07/17/2018
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	05/08/2018	07/11/2018	09/13/2018
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
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
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	12/03/2018	12/04/2018	01/11/2019
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	12/10/2018	12/12/2018	01/18/2019
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/22/2018	08/22/2018	10/05/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/02/2018	09/05/2018	09/14/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2018	09/11/2018	09/14/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2017	06/19/2018	09/14/2018
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	12/10/2018	12/11/2018	01/15/2019
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	10/22/2018	10/23/2018	11/30/2018
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	10/22/2018	10/23/2018	11/30/2018
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	10/22/2018	10/23/2018	11/30/2018

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	10/05/2018	10/10/2018	11/01/2018
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	10/05/2018	10/10/2018	11/02/2018
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	07/01/2018	07/24/2018	08/20/2018
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	10/31/2018	12/04/2018	12/12/2018
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	05/23/2018	05/24/2018	07/13/2018
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	11/26/2018	11/30/2018	01/15/2019
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	08/16/2018	11/06/2018	11/14/2018
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	12/13/2018	12/18/2018	01/15/2019
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	10/16/2018	10/18/2018	11/14/2018
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	12/11/2018	12/13/2018	01/15/2019
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	10/22/2018	10/25/2018	11/14/2018
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	11/02/2018	11/07/2018	12/14/2018
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	11/21/2018	11/27/2018	12/12/2018
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	11/07/2018	11/08/2018	11/14/2018
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	10/15/2018	10/23/2018	11/14/2018
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	09/20/2018	10/12/2018	11/16/2018
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	10/15/2018	10/16/2018	11/16/2018
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2018	05/01/2018	05/14/2018
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	07/01/2018	10/16/2018	11/16/2018
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	03/09/2017	03/10/2017	05/03/2017
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	10/02/2018	10/05/2018	11/02/2018
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	11/26/2018	11/27/2018	12/12/2018
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	08/29/2018	08/31/2018	09/19/2018
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	12/07/2018	12/11/2018	01/24/2019
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/29/2018	11/01/2018	11/16/2018
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	11/28/2018	11/30/2018	12/14/2018
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	11/06/2018	11/08/2018	11/14/2018
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	10/04/2018	11/14/2018	12/13/2018
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	10/04/2018	11/14/2018	12/13/2018
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	10/04/2018	11/06/2018	12/14/2018
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	11/29/2018	12/04/2018	01/11/2019
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	07/19/2018	07/25/2018	09/05/2018
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	10/10/2018	10/12/2018	10/16/2018
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	10/10/2018	10/12/2018	11/05/2018
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	08/03/2018	10/02/2018	11/01/2018
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	08/23/2018	10/02/2018	11/02/2018
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	11/15/2018	11/16/2018	12/13/2018
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	11/28/2018	11/30/2018	01/11/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	12/03/2018	12/05/2018	01/11/2019
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/18/2018	04/24/2018	06/19/2018
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	10/22/2018	10/23/2018	11/30/2018
CA	SAN DIEGO CO. SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	11/05/2018	11/06/2018	12/14/2018
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	11/14/2018	11/15/2018	12/13/2018
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	12/03/2018	12/12/2018	01/15/2019
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	12/13/2018	12/18/2018	01/23/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	11/16/2018	11/16/2018	12/13/2018
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/01/2018	11/06/2018	12/14/2018
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	11/29/2018	12/04/2018	01/11/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	11/29/2018	12/04/2018	12/14/2018
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	12/21/2018	12/27/2018	01/15/2019
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	10/02/2018	10/04/2018	10/25/2018
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	12/11/2018	12/13/2018	01/15/2019
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	09/18/2018	09/20/2018	10/25/2018
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	12/13/2018	12/18/2018	01/15/2019
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	10/22/2018	10/25/2018	11/14/2018
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	12/26/2018	12/27/2018	01/15/2019
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/26/2018	01/24/2019	02/28/2019
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	09/25/2018	10/25/2018	11/30/2018
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	11/26/2018	12/12/2018	01/16/2019
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/26/2018	01/03/2019	01/16/2019
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	11/05/2018	11/07/2018	11/14/2018

STREET AND ADDRESS INFORMATION

APPENDIX F

EDR City Directory Abstract

CA4-174
1200 Rossmoor Parkway
Walnut Creek, CA 94595

Inquiry Number: 5578638.23
March 05, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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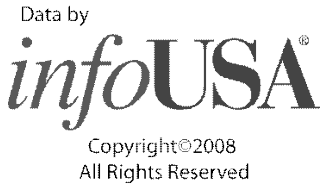

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	EDR Digital Archive
1982	☑	☐	EDR Digital Archive
1975	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

1200 Rossmoor Parkway
Walnut Creek, CA 94595

Year	***CD Image***	***Source***

ROSSMOOR PKWY

2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A7	EDR Digital Archive
2000	pg A9	EDR Digital Archive
1995	pg A11	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1987	pg A13	EDR Digital Archive
1982	pg A14	EDR Digital Archive
1975	pg A15	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 2014

1200	BANK AMERICA NATIONAL ASSN
1210	ROSSMOOR MEDICAL ASSOCIATES
	SCHOEN ROLAND
	SEET ELIZABETH MD
1220	BURTS HEARING AID SVC
	CECILE SHEPARD DPM INC
	CHANDRA SMITA MD
	ENGDAHL KARL DDS
	JOHN MUIR AT ROSSMOOR
	JOHN MUIR MEDICAL GROUP
	JOHN X RAY MEDICAL IMAGING
	KWAN EDGAR Y MD
	PFEIFER DAVID L DDS
	RICHARD J WYZYKOWSKI MD
	YOUNG MEREDYTH NP
1221	DAVITA WALNUT CREEK WEST DIALY
	UNITED STATES POSTAL SERVICE
1224	CARE CENTER OF ROSSMOOR
	CARE CENTER ROSSMOOR LLC
1226	HCR MANORCARE MED SVCS FLA LLC
	MCHS WALNUT CREEK
1228	ALLEN, ANNE S
	ARLINE, MURRAY
	BAKER, CLARENCE L
	BANERJEE, SAMARENDRA N
	BELL, THEODORE V
	BELLIN, RICHARD H
	BENTON, JOYCE C
	BLAIR, MARY
	BRENNAN, RAY G
	BRYSON, JENNIFER S
	CABRAL, NELLIE
	CHARLEBOIS, E
	CLUNE, SHIRLEY D
	COKER, BARBARA P
	COLLINS, MARJORIE
	CRIST, ANN T
	CROWLEY, PEARL R
	DENISON, GORDON K
	DEUTSCHMAN, PETER J
	DROKER, ROBERT
	EDGECOMB, RIEL E
	EDWARDS, PAT M
	EYERLY, HUGH A
	GARBAK, VIVIAN
	GOFF, MARGARET G
	GOLDMAN, SHIRLEY J
	GORDON, NANCY L
	GRAVANO, VINCENT F
	HALDBAK, BRUNO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 2014 (Cont'd)

1228	HEMPY, ADELBERT M
	HOGLE, CHARLES K
	HOWARD, ROBERT B
	HUEBSCHWERLEN, MARIE
	JOHNSON, JAMES O
	JOHNSON, ORALEE F
	JOOST, BONNIE J
	JOYE, COX
	KELLEY, MEL
	KENT, THOMAS J
	KLINGMAN, JOYCE A
	KOUUPAL, WILLIAM
	LAURITZEN, JEANNE T
	LEETHAM, J
	LONGACRE, NANCY H
	MACDONALD, MICHAEL
	MADELINE, SMITH
	MALONE, GERTRUDE E
	MARBLE, CARL
	MARJORIE, COLLINS
	MARKUS, ARTHUR E
	MARTIN, RUTH M
	MARTINA, PAUL M
	MAVONE, FRANCES
	MCKENNA, BETTY
	MCSHANE, TERRY E
	MICHAELIS, RAMONA R
	MITCHELL, EDITH D
	NEILSEN-TAWNEY, HAZEL D
	OBRIEN WILLIAM
	PALAIO, ATHENA B
	PETTY, MAY K
	POWER, ANN M
	REYNOLDS, HAROLD E
	RIVERS, DOROTHY A
	ROBERTS, VEMA
	SCHOLL, PHYLLIS M
	SHAW, TOM
	SMITH, GEORGE E
	STEIN, HILDA T
	STICKLER, MARILYN
	TAKETA, HARUKO F
	THOMPSON, ELIZABETH H
	THORNTON, NATALIE L
	WALLACE, ROSEMARY J
	WITT, ROBERT L
	ZLOKOVICH, MARY R
1600	ROMAN CATHLIC BISHP OF OAKLAND

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 2010

1200	BANK AMERICA NATIONAL ASSN
	BOWMAN THOMAS MD
1210	FRANK JONATHAN
	ROSSMOOR MEDICAL ASSOCIATES
	SCHOEN ROLAND
	SEET ELIZABETH MD
1220	ENGDAHL KARL DDS
	JOHN MUIR AT ROSSMOOR
	JOHN X RAY MEDICAL IMAGING
	KWAN EDGAR Y MD
	PATRICIA L AUSTIN MD
	PFEIFER DAVID L DDS
	RICHARD J WYZYKOWSKI MD
	SHEPARD CECILE DPM INC
	YOUNG MEREDYTH NP
1221	UNITED STATES POSTAL SERVICE
1224	600 CARE CENTER OF ROSSMOOR
	CARE CENTER OF ROSSMOOR
	DAY BETTY
	KINDRED HEALTHCARE OPER INC
	OCADIAN CARE CENTERS INC
1226	HCR MANORCARE MED SVCS FLA INC
	MCHS WALNUT CREEK
1228	ALBERTONI, KATHRYNE M
	ANDERSON, EVELYN L
	ANDRESEN, CLARENCE B
	BAKER, CLARENCE L
	BARKER, ERCIL L
	BARKER, VERNICE J
	BEALS, HAROLD
	BIRKS, BERYL E
	BOWMAN, EDGAR C
	BRADY, CATHERINE M
	CABRAL, NELLIE
	CIARDELLA, RUBY E
	CLARK, RUTH M
	CLUNE, SHIRLEY D
	COCHRANE, DAVID K
	COKER, BARBARA P
	COLLINSON, BARBARA W
	CONSTANTINE, GENEVIEVE M
	CRIST, ANN T
	CUTHILL, FRED A
	DENAULT, SUZANNE S
	DOMMES, MILDRED R
	DONNELLY, ROBERT A
	DOWNING, MARGARET M
	DUNKOVICH, DUSTIN
	DVORAK, VIRGINIA P
	EINHORN, SYLVIA M

ROSSMOOR PKWY 2010 (Cont'd)

1228 ELLIOTT, HOPE
FINLAYSON, JOHN D
FITZGERALD, FRANCIS R
FROST, JEAN W
GARRISON, ROBERT M
GENESY, CATHERINE
GOODRICH, LILLIAN B
HARRISON, LOUISE S
HAUSER, SALLY H
HEAVEY, MARK A
HEUER, PAUL C
HILKEN, ANNETTE K
HOENER, MARIAN A
HOOVER, KATHRYN R
IRVING, WALTER F
JEFFRESS, LILLIAN
JENNINGS, BRIAN
KAPRIELIAN, MARITZA A
KENTON, MURIEL K
KOUUPAL, WILLIAM
KUTNESKI, ALFONCE
LANDIN, GERALDINE E
LARSON, PAUL
LIEDSTRAND, ALVIN E
MAHAN, GLENN E
MALONEY, ANN R
MARASCO, DOROTHY
MARBLE, CARL
MARTINA, PAUL M
MCCANN, SUSAN J
MCCARTHY, BERNICE B
MCCORMICK, EDITH P
MCKAY, C
MCKENNA, BETTY
NEIL WATSON
ODOM-ESTATE, MAXINE E
OLSON, VIRGINIA W
OTTO, EVELYN L
PEEBLES, LYNDOL L
PETERSON, ED H
PETTY, MAY K
RASMUSSEN, AXEL A
REGAN, MARY A
RINGEN, J
ROSS, JEAN
SCHAEFER, VIOLA M
SCHWARTZ, HELEN C
SCOTT, DALE G
SEYMOUR, ROBERT J
SHERMAN, HELEN L

ROSSMOOR PKWY 2010 (Cont'd)

1228 SMITH, GEORGE E
SPATZ, JUNE L
STODGEL, T O
STURKE, WILLIAM A
TAKETA, TATSUO H
TURNER, BARBARA R
WALDEN, RUTH A
WATERLOW, RAYMOND
WATSON, MARY E
WERDERN, L P
WHELAN, JAMES D
WHITE, GORDON
WOLFERT, HILDA
YANKER, ELIZABETH K
ZAP TERMITE & PEST CONTROL
1600 ROMAN CATHLIC BISHP OF OAKLAND

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 2005

1200	BANK OF AMERICA NA
1210	ROSS MOOR MEDICAL ASSOC INC
1212	MAUI SUNSET PROPERTIES LLC
1216	DAVID ZIEGLER LPL FINCL SVCS
	ZIEGLER, DAVID A
1218	DIABLO PAINTCRAFT INC
1220	ENGDAHL KARL DDS
	GOLDEN RAIN FOUNDATION
	JOHN MUIR REHAP SERVICES
	KWAN EDGAR Y MD
	PATRICIA L AUSTIN MD
	PFEIFER DAVID L DDS
	RICHARD J WYZYKOWSKI MD
	ROSSMOOR MEDICAL CENTER INC
	SHEPARD CECILE DPM INC
	WONG JOSEPH D
1221	UNITED STATES POSTAL SERVICE
1224	DAY BETTY
	OCADIAN CARE CENTERS INC
1226	MANORCARE HEALTH SERVICES INC
1228	ATRIA SENIOR LIVING GROUP
	BAWEY, ROSE
	BEAUREGARD, WILLIAM W
	BRUNO, A
	BRYANT, RUTH M
	CATO-DEGNAN, HELEN
	CERRUTI, ELIZABETH W
	COMBES, MURIEL S
	COUGHLAN, ALTHEA L
	CRENSHAW, DORA
	CRYDERMAN, KATHLEEN
	CUMMINGHAM, GERALD
	DELFINO, MARTHA J
	DOUGLAS, ELEANOR B
	DUFFY, JAYNE E
	DVORAK, VIRGINIA P
	EBKE, WILLIAM J
	ELKINGTON, LOUISE R
	ERVIN, ELIZABETH R
	FEAD, JOYCE M
	FERRO, LILLIAN P
	FODOR, JOSEPH J
	GATES, C E
	GEESMAN, JAMES W
	GILL, BARBARA A
	GILMOUR, CHARLOTTE J
	GIROD, GERTRUDE E
	GOODWIN, GALINA T
	HARTMAN, VIRGINIA J
	HARVILL, EDITH F

ROSSMOOR PKWY 2005 (Cont'd)

1228	HAWTHORNE, EARL C
	HELLER, LOIS J
	HELLER, RICHARD V
	HILKEN, ANNETTE K
	JOHNS, WANDA V
	JOHNSON, SHIRLEY N
	LASTRUCCI, SALVADOR P
	LEWIS, LURLINE P
	LORTON, WILLIAM W
	LOSS, CARMEL A
	MALMQUIST, G C
	MALMSTROM, MAE
	MATTHEWS, VIRGINIA H
	NIELSEN, HAROLD E
	NOFFSINGER, EVA H
	PAGE, ADDISON C
	PEARCE, BESSIE
	PETERSON, ED H
	PETTY, MAY K
	PHELPS, EDWIN W
	POHL, MYRTLE A
	POTTER, J D
	PULSIFER, ANN A
	RIEGER, ROMA G
	ROBERTS, D W
	ROBINSON, NEDRA
	SHAPHERD DIANE
	TOUROS, MARGARET T
	WATERLOW, RAYMOND
	WERDERN, L P
	WILLOUGHBY, NONA E
	WOLFERT, HILDA
	ZAINE, GEORGE J
1600	ROMAN CATHOLIC BISHOP OF OAKLA

Target Street	Cross Street	Source
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ROSSMOOR PKWY 2000

1200 BANK OF AMERICA NA
1212 BROWNLEE, PEGGY J
NEARON DAVID A LAW OFFICES
1218 ASPER DENISE M
LAW OFFICE ANTHONY W HAWTHORNE
RESOLUTION RESOURCES LLC CAL
1220 ENGDAHL KARL DDS
KWAN EDGAR Y MD
ROSSMOOR MEDICAL CENTER INC
SHEPARD CECILE DPM INC
WONG JOSEPH D
1224 BOBBIES BEAUTY SALON
OCADIAN CARE CENTER INC
1226 MANORCARE HEALTH SERVICES INC
1228 A R V ASSISTED LIVING
ALPEN, O H
BOARDMAN, E W
BRISTOL, EVELYN H
BROODING, L W
BROOKES, V
BRUNSCHWILER, CY
BURPEE, S P
CHAPLIN, BARBARA M
COMBES, PAUL
COMPTON, RAY
CUMMINS, CHARLES H
DEWOLF, ROBERT M
ERVIN, E R
FRANSON, EMMA B
GASS, HARRY A
GORI, GEORGIO T
HANSEN, DONNA
HAYS, RUTH
HOHENRIEDER, E T
HOLGREN, E A
HOVE, P
HOYER, FRED H
HUGLEY, BARBARA A
JACQUES, ARTHUR F
JOHANSON, CAROL A
JUNET, ROBERT F
KLAUSER, MILDRED M
KORINKE, A M
LENSCH, GLADYS
LERNER, LILLIAN
LESTER, E S
LEWIS, D M
LOCKEY, DOLLY
LORTON, WILLIAM W
MCCAFFERTY, H

ROSSMOOR PKWY 2000 (Cont'd)

1228	MCCAULOU, K G
	MEADOWS, GLEN F
	MILLER, ANNE
	MORRISON, G P
	NOFFSINGER, E H
	OLDER, HARRY J
	OSHAW, DONALD
	OUDEGEEST, M
	PARISH, JOHN H
	PATTERSON, FRANCES A
	PATTON, ELDRED F
	PEARCE, B
	PETERSEN, C R
	RANDALL, M
	ROBERTS, D W
	RODGERS, WILLIAM
	SCOTT, JESSIE
	SEAMAN, FRANCIS
	SHAPHERD DIANE
	SIEVILA, MARIA
	TAYLOR, G
	TOPP, M M
	WARNER, JOHN
	WEAVER, NANCY H
	WEINBERGER, M
	WERDERN, L P
	WIECHMANN, MARIE A
	YAKUBIK, MARY
	ZIEGLER, I
1600	ROMAN CTHLIC BISHP OF OAKLAND
	ST ANNS CHURCH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 1995

1200	BANK OF AMER NAT TR SAV ASSN
1212	DAVID A NERON LAW OFFICES
	STEELE DWIGHT C
1220	CHRISTIANSEN PHYSICAL THERAPY
	ENGDAHL KARL DDS
	GOLDEN RAIN FOUNDATION OF W C
	HENCKY GERHARD MD
	KWAN EDGAR Y MD
	ROSSMOOR OPTICAL SERVICES
	ROSSMOOR WALNUT CREEK
	SHEPARD CECILE DPM
	TARKOFF MITCHELL P MD
	WONG JOSEPH D
1221	UNITED STATES POSTAL SERVICE
1224	BOBBIES BEAUTY SALON
	GUARDIAN FOUNDATION
1226	MANOR HEALTHCARE CORP
1228	A R V ASSISTED LIVING
	PATS SALON
1600	ROMAN CTHLIC BISHP OF OAKLAND
	ST ANNS CHURCH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 1992

1200 BANK OF AMER NAT TR SAV ASSN
1220 CHRISTIANSEN PHYSICAL THERAPY
GOLDEN RAIN FOUNDATION INC
1224 BOBBIES BEAUTY SALON
GUARDIAN FOUNDATION
1226 MANOR CARE INC
PERRYMAN PLUMBING INC
1228 AMERICAN RETIREMENT VILLAS PRO
S A V SERVICE CO
1600 ST ANNS CHURCH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 1987

1200	BANK OF AMERICA NT SA
1220	GOLDEN RAIN FOUNDATION
1224	ROSSMOOR MANOR FOUNDATION*
1228	BOBBIES BEAUTY SALON
	S A V SERVICE CO
	VALLEY VIEW LODGE
1600	ST ANNS CHURCH

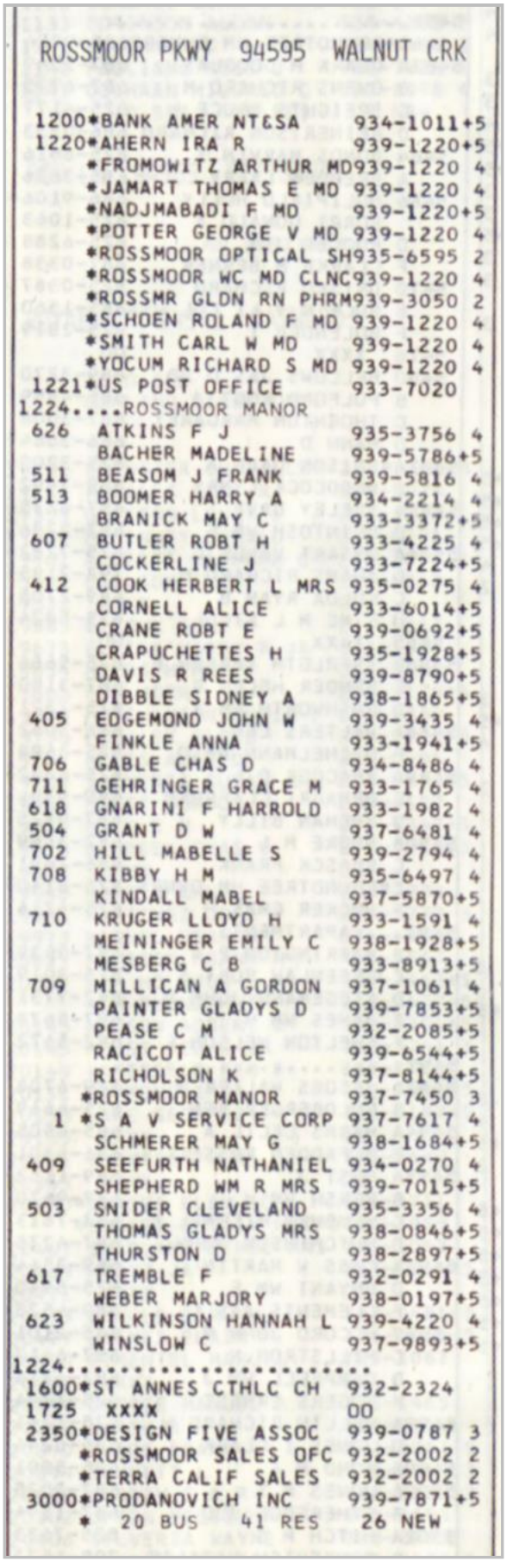
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROSSMOOR PKWY 1982

1200 BANK OF AMERICA NATIONAL TRUST
1224 ROSSMOOR MANOR FOUNDATION*
SONOMA CONVALESCENT HOSPITAL*
1228 S A V SERVICE CO
VALLEY VIEW LODGE

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROSSMOOR PKWY 1975



ROSSMOOR PKWY 94595 WALNUT CRK

1200 *BANK AMER NT&SA 934-1011+5
1220 *AHERN IRA R 939-1220+5
*FROMOWITZ ARTHUR MD 939-1220 4
*JAMART THOMAS E MD 939-1220 4
*NADJMABADI F MD 939-1220+5
*POTTER GEORGE V MD 939-1220 4
*ROSSMOOR OPTICAL SH 935-6595 2
*ROSSMOOR WC MD CLNC 939-1220 4
*ROSSMR GLDN RN PHRM 939-3050 2
*SCHOEN ROLAND F MD 939-1220 4
*SMITH CARL W MD 939-1220 4
*YOCUM RICHARD S MD 939-1220 4
1221 *US POST OFFICE 933-7020
1224....ROSSMOOR MANOR
626 ATKINS F J 935-3756 4
BACHER MADELINE 939-5786+5
511 BEASOM J FRANK 939-5816 4
513 BOOMER HARRY A 934-2214 4
BRANICK MAY C 933-3372+5
607 BUTLER ROBT H 933-4225 4
COCKERLINE J 933-7224+5
412 COOK HERBERT L MRS 935-0275 4
CORNELL ALICE 933-6014+5
CRANE ROBT E 939-0692+5
CRAPUCHETTES H 935-1928+5
DAVIS R REES 939-8790+5
DIBBLE SIDNEY A 938-1865+5
405 EDGEMOND JOHN W 939-3435 4
FINKLE ANNA 933-1941+5
706 GABLE CHAS D 934-8486 4
711 GEHRINGER GRACE M 933-1765 4
618 GNARINI F HARROLD 933-1982 4
504 GRANT D W 937-6481 4
702 HILL MABELLE S 939-2794 4
708 KIBBY H M 935-6497 4
KINDALL MABEL 937-5870+5
710 KRUGER LLOYD H 933-1591 4
MEININGER EMILY C 938-1928+5
MESBERG C B 933-8913+5
709 MILLICAN A GORDON 937-1061 4
PAINTER GLADYS D 939-7853+5
PEASE C M 932-2085+5
RACICOT ALICE 939-6544+5
RICHOLSON K 937-8144+5
*ROSSMOOR MANOR 937-7450 3
1 *S A V SERVICE CORP 937-7617 4
SCHMERER MAY G 938-1684+5
409 SEEFURTH NATHANIEL 934-0270 4
SHEPHERD WM R MRS 939-7015+5
503 SNIDER CLEVELAND 935-3356 4
THOMAS GLADYS MRS 938-0846+5
THURSTON D 938-2897+5
617 TREMBLE F 932-0291 4
WEBER MARJORY 938-0197+5
623 WILKINSON HANNAH L 939-4220 4
WINSLOW C 937-9893+5
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1600 *ST ANNES CTHLC CH 932-2324
1725 XXXX 00
2350 *DESIGN FIVE ASSOC 939-0787 3
*ROSSMOOR SALES OFC 932-2002 2
*TERRA CALIF SALES 932-2002 2
3000 *PRODANOVICH INC 939-7871+5
* 20 BUS 41 RES 26 NEW

Appendix C Noise and Vibration Modeling Data

Appendix

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Fundamentals of Noise

NOISE

Noise is most often defined as unwanted sound; whether it is loud, unpleasant, unexpected, or otherwise undesirable. Although sound can be easily measured, the perception of noise and the physical response to sound complicate the analysis of its impact on people. People judge the relative magnitude of sound sensation in subjective terms such as "noisiness" or "loudness."

Noise Descriptors

The following are brief definitions of terminology used in this chapter:

- **Sound.** A disturbance created by a vibrating object, which, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.

- **Noise.** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.

- **Decibel (dB).** A unitless measure of sound, expressed on a logarithmic scale and with respect to a defined reference sound pressure. The standard reference pressure is 20 micropascals (20 μPa).

- **Vibration Decibel (VdB).** A unitless measure of vibration, expressed on a logarithmic scale and with respect to a defined reference vibration velocity. In the U.S., the standard reference velocity is 1 micro-inch per second ($1x10^{-6}$ in/sec).

- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels that approximates the frequency response of the human ear.

- **Equivalent Continuous Noise Level (L_{eq}); also called the Energy-Equivalent Noise Level.** The value of an equivalent, steady sound level which, in a stated time period (often over an hour) and at a stated location, has the same A-weighted sound energy as the time-varying sound. Thus, the L_{eq} metric is a single numerical value that represents the equivalent amount of variable sound energy received by a receptor over the specified duration.

- **Statistical Sound Level (L_n).** The sound level that is exceeded "n" percent of time during a given sample period. For example, the L_{50} level is the statistical indicator of the time-varying noise signal that is exceeded 50 percent of the time (during each sampling period); that is, half of the sampling time, the changing noise levels are above this value and half of the time they are below it. This is called the "median sound level." The L_{10} level, likewise, is the value that is exceeded 10 percent of the time (i.e., near the maximum) and this is often known as the "intrusive sound level." The L_{90} is the sound level exceeded 90 percent of the time and is often considered the "effective background level" or "residual noise level."

- **Maximum Sound Level (L_{max})**. The highest RMS sound level measured during the measurement period.
- **Root Mean Square Sound Level (RMS).** The square root of the average of the square of the sound pressure over the measurement period.
- **Day-Night Sound Level (L_{dn} or DNL).** The energy-average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.
- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added from 7:00 PM to 10:00 PM and 10 dB from 10:00 PM to 7:00 AM. NOTE: For general community/environmental noise, CNEL and L_{dn} values rarely differ by more than 1 dB (with the CNEL being only slightly more restrictive – that is, higher than the L_{dn} value). As a matter of practice, L_{dn} and CNEL values are interchangeable and are treated as equivalent in this assessment.
- **Peak Particle Velocity (PPV).** The peak rate of speed at which soil particles move (e.g., inches per second) due to ground vibration.
- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

Characteristics of Sound

When an object vibrates, it radiates part of its energy in the form of a pressure wave. Sound is that pressure wave transmitted through the air. Technically, airborne sound is a rapid fluctuation or oscillation of air pressure above and below atmospheric pressure that creates sound waves.

Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). Loudness or amplitude is measured in dB, frequency or pitch is measured in Hertz [Hz] or cycles per second, and duration or time variations is measured in seconds or minutes.

Amplitude

Unlike linear units such as inches or pounds, decibels are measured on a logarithmic scale. Because of the physical characteristics of noise transmission and perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1 presents the subjective effect of changes in sound pressure levels. Ambient sounds generally range from 30 dBA (very quiet) to 100 dBA (very loud). Changes of 1 to 3 dB are detectable under quiet, controlled conditions, and changes of less than 1 dB are usually not discernible (even under ideal conditions). A 3 dB change in noise levels is considered the minimum change that is detectable with human hearing in outside environments. A change of 5 dB is readily discernible to most people in an exterior environment, and a 10 dB change is perceived as a doubling (or halving) of the sound.

Table 1 Noise Perceptibility

Change in dB	Noise Level
± 3 dB	Barely perceptible increase
± 5 dB	Readily perceptible increase
± 10 dB	Twice or half as loud
± 20 dB	Four times or one-quarter as loud

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Frequency

The human ear is not equally sensitive to all frequencies. Sound waves below 16 Hz are not heard at all, but are "felt" more as a vibration. Similarly, though people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and below about 200 Hz.

When describing sound and its effect on a human population, A-weighted (dBA) sound levels are typically used to approximate the response of the human ear. The A-weighted noise level has been found to correlate well with people's judgments of the "noisiness" of different sounds and has been used for many years as a measure of community and industrial noise. Although the A-weighted scale and the energy-equivalent metric are commonly used to quantify the range of human response to individual events or general community sound levels, the degree of annoyance or other response also depends on several other perceptibility factors, including:

- Ambient (background) sound level
- General nature of the existing conditions (e.g., quiet rural or busy urban)
- Difference between the magnitude of the sound event level and the ambient condition
- Duration of the sound event
- Number of event occurrences and their repetitiveness
- Time of day that the event occurs

Duration

Time variation in noise exposure is typically expressed in terms of a steady-state energy level equal to the energy content of the time varying period (called L_{eq}), or alternately, as a statistical description of the sound level that is exceeded over some fraction of a given observation period. For example, the L_{50} noise level represents the noise level that is exceeded 50 percent of the time; half the time the noise level exceeds this level and half the time the noise level is less than this level. This level is also representative of the level that is exceeded 30 minutes in an hour. Similarly, the L_2, L_8 and L_{25} values represent the noise levels that are exceeded 2, 8, and 25 percent of the time or 1, 5, and 15 minutes per hour, respectively. These "n" values are typically used to demonstrate compliance for stationary noise sources with many cities' noise ordinances. Other values typically noted during a noise survey are the L_{min} and L_{max}. These values represent the minimum and maximum root-mean-square noise levels obtained over the measurement period, respectively.

Because community receptors are more sensitive to unwanted noise intrusion during the evening and at night, state law and many local jurisdictions use an adjusted 24-hour noise descriptor called the Community Noise Equivalent Level (CNEL) or Day-Night Noise Level (L_{dn}). The CNEL descriptor requires that an artificial increment (or "penalty") of 5 dBA be added to the actual noise level for the hours from 7:00 PM to 10:00

PM and 10 dBA for the hours from 10:00 PM to 7:00 AM. The L_{dn} descriptor uses the same methodology except that there is no artificial increment added to the hours between 7:00 PM and 10:00 PM. Both descriptors give roughly the same 24-hour level, with the CNEL being only slightly more restrictive (i.e., higher). The CNEL or L_{dn} metrics are commonly applied to the assessment of roadway and airport-related noise sources.

Sound Propagation

Sound dissipates exponentially with distance from the noise source. This phenomenon is known as "spreading loss." For a single-point source, sound levels decrease by approximately 6 dB for each doubling of distance from the source (conservatively neglecting ground attenuation effects, air absorption factors, and barrier shielding). For example, if a backhoe at 50 feet generates 84 dBA, at 100 feet the noise level would be 79 dBA, and at 200 feet it would be 73 dBA. This drop-off rate is appropriate for noise generated by on-site operations from stationary equipment or activity at a project site. If noise is produced by a line source, such as highway traffic, the sound decreases by 3 dB for each doubling of distance over a reflective ("hard site") surface such as concrete or asphalt. Line source noise in a relatively flat environment with ground-level absorptive vegetation decreases by an additional 1.5 dB for each doubling of distance.

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. Extended periods of noise exposure above 90 dBA results in permanent cell damage, which is the main driver for employee hearing protection regulations in the workplace. For community environments, the ambient or background noise problem is widespread, through generally worse in urban areas than in outlying, less-developed areas. Elevated ambient noise levels can result in noise interference (e.g., speech interruption/masking, sleep disturbance, disturbance of concentration) and cause annoyance. Since most people do not routinely work with decibels or A-weighted sound levels, it is often difficult to appreciate what a given sound pressure level number means. To help relate noise level values to common experience, Table 2 shows typical noise levels from familiar sources.

Table 2 Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Onset of physical discomfort	120+	
	110	Rock Band (near amplification system)
Jet Flyover at 1,000 feet		
	100	
Gas Lawn Mower at three feet		
	90	
Diesel Truck at 50 feet, at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
	70	Vacuum Cleaner at 10 feet
Commercial Area		Normal speech at 3 feet
Heavy Traffic at 300 feet	60	
		Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (background)
Quiet Suburban Nighttime		
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall (background)
	20	
		Broadcast/Recording Studio
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Vibration Fundamentals

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities stemming from operations of railroads or vibration-intensive stationary sources, but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. As with noise, vibration can be described by both its amplitude and frequency. Vibration displacement is the distance that a point on a surface moves away from its original static position; velocity is the instantaneous speed that a point on a surface moves; and acceleration is the rate of change of the speed. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During construction, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure.

Vibration amplitudes are usually described in terms of either the peak particle velocity (PPV) or the root mean square (RMS) velocity. PPV is the maximum instantaneous peak of the vibration signal and RMS is the

square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage and RMS is typically more suitable for evaluating human response.

As with airborne sound, annoyance with vibrational energy is a subjective measure, depending on the level of activity and the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Persons accustomed to elevated ambient vibration levels, such as in an urban environment, may tolerate higher vibration levels. Table 3 displays the human response and the effects on buildings resulting from continuous vibration (in terms of various levels of PPV).

Table 3 Human Reaction to Typical Vibration Levels

Vibration Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.006–0.019	Threshold of perception, possibility of intrusion	Vibrations unlikely to cause damage of any type
0.08	Vibrations readily perceptible	Recommended upper level of vibration to which ruins and ancient monuments should be subjected
0.10	Level at which continuous vibration begins to annoy people	Virtually no risk of "architectural" (i.e. not structural) damage to normal buildings
0.20	Vibrations annoying to people in buildings	Threshold at which there is a risk to "architectural" damage to normal dwelling – houses with plastered walls and ceilings
0.4–0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: California Department of Transportation (Caltrans). 2020, April. *Transportation and Construction Vibration Guidance Manual.* Prepared by ICF International.

CHAPTER 4

Built Environment

This chapter comprises four sections—Land Use, Growth Management, Urban Design, and Environmental Integrity.

LAND USE

CITYWIDE

The City of Walnut Creek, which lies some 23 miles east of San Francisco at the foot of Mount Diablo, is a regional economic and cultural center. Its 2004 population was approximately 66,500. [1]

Residential Development

The city's growth in the 1960s and 1970s was predominately residential. Since the adoption of the 1989 General Plan, Walnut Creek has grown more slowly than the county or region, increasing from 61,446 residents in 1990 to 64,296 in 2000 and to an estimated 66,500 residents in 2004—an annual average growth rate of 0.5 percent. By comparison, Contra Costa County and the Bay Area have grown more rapidly during the same period, at annual average growth rates of 1.6 and 1.2 percent, respectively.[2]

Since 1990, two trends have exerted a strong and continuing influence on the housing market in Walnut Creek: a decline in average household size and an increase in the proportion of non-family households.

Between 1990 and 2000, the number of housing units in Walnut Creek increased by approximately 5 percent from 29,969 to 31,480 units.[3] Of these housing units, only 3.58 percent were vacant. From 2000 to 2004, the total number of housing units increased to an estimated 32,606, a relatively modest 3 percent increase when compared to Contra Costa County as a whole, where the total number of housing units increased by about 11 percent between 1990 and 2000 and by another 6 percent from 2000 to 2004.

Just over half (53 percent) of all housing units in the city in 2000 were single-family homes. From 1990 to 2000, the number of single-family homes increased by 3 percent while the number of multifamily housing units in buildings of five or more units increased 10 percent. This trend continued between 2000 and 2004. Of the 561 new housing units constructed in Walnut Creek, 63 percent are multifamily residences.

Although residential development has had a multifamily focus in recent years, the trend has been to construct ownership rather than rental units. In 2000, more than two-thirds (68.3 percent) of Walnut Creek's households were homeowner occupied, up slightly from 1990 and significantly more than the homeownership rate for the region (57.8 percent).

By 2000, seniors (those 65 and older) represented 25 percent of Walnut Creek's population and this percentage is growing.

[1] California Department of Finance, January 2005

[2] *Projections 2005*, Association of Bay Area Governments, December 2004

[3] Source: Census 2000

Nonresidential Development
Concerns about growth and urbanization dominated the public debate in Walnut Creek in the 1980s. The city's growth in the 1960s and 1970s had been predominantly residential; however, the opening of the Walnut Creek BART station in May 1973 and economic growth at the time served as a catalyst for the construction of six million square feet of commercial space in Walnut Creek from the late 1970s to the mid-1980s. The response from local voters was to pass a growth-limitation initiative in 1985. Then, in the 10 years from 1993 to 2003—after adoption of a Growth Limitation Plan—only 620,000 square feet of commercial space was built.

Shaping Our Future
In 2002, Contra Costa County and its cities undertook a joint effort to develop a "smart growth" response to future planning and growth. Called Shaping Our Future, the project outcomes were to encourage cities to:

- Preserve open space
- Preserve and reinvest in existing urban areas and neighborhoods
- Focus on mixed-use development to bring shops, services, and entertainment close to residential areas and encourage access by walking, biking, and transit (vs. automobiles)

Economic Development
The City's Economic Development Plan (2004) called on the city to foster a vigorous and diverse economy, encourage development of premier business and employment locations, and strengthen Walnut Creek as the region's primary destination for arts and entertainment.

Land Use Map
The *General Plan 2025* Land Use Map shows the City's vision for the development, redevelopment, and preservation of public and private properties in the Walnut Creek Planning Area over the next 20 years (from 2005 to 2025). The map designates the distribution and location of land to be used for housing, business, open space, public facilities, and other uses.

The land use map is different from a zoning map. First, it is not as specific as a zoning map. Each land-use category on the land use map typically has more than one consistent zoning district. Second, the City's practice is to delineate boundaries between land-use categories on the land use map as specifically as possible. In most cases, the boundaries follow parcel lines.

Population Density and Building Intensity
California Government Code §65302(a) requires that a general plan include standards for population density and/or building intensity for each land use category on a land use map. Together, the map and text define the allowable *population density* for residential districts and the allowable *building intensity* for nonresidential development.

Population density is defined as the number of people and the number of dwelling units per net acre of land and is expressed in terms of *dwelling units per net acre (du/ac)*. To develop the general plan's residential population-density standards, the allowable number of dwelling units per net acre was multiplied by an assumed average number of persons per dwelling unit – in this case, 2.54 persons for single-family homes and 1.59 persons for multifamily units based on U.S. Census 2000.

The population-density ranges apply to a project or development as a whole and are used as a guide in planning for public services and facilities. The ranges are not intended to serve as a limit on population for a given area, and they cannot be used to restrict the number of people who may live in a given home or multifamily unit or to deny a permit to remodel or expand a residential dwelling unit.

A residential project or development must meet two standards. First, it cannot exceed the maximum densities established in the general plan. At the same time, a project must meet the required minimum density level. Existing building sites that do not meet the minimum

or maximum density standards set forth for the various residential categories will remain legal nonconforming lots.

Building intensity is expressed in terms of floor area ratio (FAR) -- the ratio of gross building floor area (excluding areas designated for parking, etc.) to net lot area, both expressed in square feet. (See Figure on page A-7.) Development projects that incorporate several parcels can have individual parcel FARs that exceed the general plan FAR, if the parcels are all located within the same Planned Development (PD) zoning district and if the total of the actual gross building floor area in the PD district does not exceed the total allowable FAR for the district.

The pages that follow list the definitions of each land use category on the *General Plan 2025* land use map.

The population density or building intensity maximums assigned to the various land use categories do not constitute entitlements, nor are property owners or developers guaranteed that an individual project, when tested against the general plan's policies, will be able or permitted to achieve these maximums.

Permitted Uses for Residential and Commercial Land Use Categories

Single-family residential units, churches, schools, parks, public/semi-public buildings, accessory uses, and day-care facilities are permitted in all residential land use districts provided they meet the requirements of the underlying zone and applicable general plan policies.

Private clubs, lodges, congregate-living facilities, residential-care facilities, and skilled nursing facilities are permitted in multifamily medium and higher-density land use districts (14.1+ du/ac) provided they meet the requirements of the underlying zone and applicable general plan policies.

Under certain conditions, residential-care facilities may be allowed in single-family districts. Multifamily residential uses are allowed in all commercial districts except Business Park and Auto Sales and Service, provided they comply with applicable city codes, zoning requirements, and general plan policies. Under the same conditions, day-care facilities are allowed in residential and most commercial districts.

LAND USE CATEGORIES

Residential

Single-family Very Low (SFVL), 0.1-1.0 du/ac. Located in outlying areas; intended as a transition between the Open Space (OS/A and OS/R) areas and low-density single-family development. Also intended to preserve hillside areas, as those are defined in the City's Hillside/Ridgeline Ordinance. Typical development is large-lot, single-family homes. Clustering is encouraged in hillside/ridgeline areas. The allowable density of 0.1-1.0 units per net acre translates to a population of 0.25 to 2.5 persons per acre.

Single-family Low (SFL), 1.1-3.0 du/ac. Intended as a transition between the typical suburban single-family neighborhood and outlying rural residential areas. Rural activities such as stables, livestock, and the growing of crops are permitted only on a noncommercial, resident-use basis. The allowable density of 1.1-3.0 units per net acre translates to a population of 2.8 to 7.6 persons per acre.

Single-family Medium (SFM), 3.1-6.0 du/ac. Provides for the typical single-family neighborhood in Walnut Creek. Average lot size is 10,000 square feet. Dwellings are generally detached with ample front, side, and rear yards. Clustering and zero side yards (zero lot lines) may be appropriate where they can be visually integrated with existing neighborhoods. The allowable density of 3.1-6.0 units per net acre translates to a population of 7.9 to 15.25 persons per acre.

Single-family High (SFH), 6.1-9.0 du/ac. Development in this land use category is allowed

only under a Planned Development Zoning District. A land use change to this category requires specific findings that the character and integrity of established residential neighborhoods will be preserved. Lot sizes will typically range from 4,840 to 7,260 square feet. Clustering and zero lot lines may be appropriate where they can be visually integrated with existing neighborhoods. The allowable density of 6.1-9.0 units per net acre translates to a population of 15.5 to 22.9 persons per acre.

Multifamily Low (MFL), 6.1-14.0 du/ac. This category accommodates moderately higher densities and is intended to serve as a transition between single-family neighborhoods and commercial or higher density residential areas. Cluster housing, zero lot line and patio homes, and attached townhomes are permitted. The allowable density of 6.1-14.0 units per net acre translates to a population of 9.7 to 22.25 persons per acre.

Multifamily Medium (MFM), 14.1-22.0 du/ac. This category is intended to provide for developments of condominiums and/or low-rise apartments with substantial amounts of open space, landscaping, and on-site recreational facilities. The visual character (height, massing, materials, color, landscaping) should look more like a single-family neighborhood than an apartment complex. The allowable density of 14.1-22.0 units per net acre translates to a population of 22.4 to 35 persons per acre.

Multifamily Medium High (MFMH), 22.1-30.0 du/ac. This density accommodates areas more urban in character than MFM. Typical development in this category is two-story (or higher) apartments or condominiums. The intent is to provide opportunities to live within walking distance of downtown and major transit centers. Maintaining a human scale through quality design and landscaping is a high priority in this district. The allowable density of 22.1-30.0 units per net acre translates to a population of 35.1 to 47.7 persons per acre.

Multifamily Very High (MFVH), 30.1-50.0 du/ac. This category accommodates most of the city's conventional apartment complexes. Structures generally exceed two stories and include onsite amenities such as recreational facilities, private balconies or patios, and common open space. The allowable density of 30.1-50.0 units per net acre translates to a population of 47.9 to 79.5 persons per acre.

Multifamily Downtown (MFD), 40.0-90.0 du/ac. This category accommodates some of the City's highest density residential neighborhoods consisting of apartments and condominiums in a comfortable, convenient, and safe urban environment, generally in close proximity to BART and short-headway bus service. Structures generally exceed three stories and include onsite amenities such as recreational facilities, private balconies or patios, and common open space. Parking is typically located in structures either behind or beneath the dwelling units. The allowable density of 40.0-90.0 units per net acre translates to a population of 63.6 to 143.1 persons per acre.

Multifamily Special High (MFSH), 50.1-100.0 du/ac. This district occurs only in the Core Area around Alma Avenue, where the Alma Avenue Specific Plan governs development. Its primary intent is to expand the potential for downtown living. The allowable density of 50.1-100.0 units per net acre translates to a population of 79.7 to 159 persons per acre.

Mixed Use–Residential Emphasis (MU-R), FAR 1.0 to 2.8. Intended to encourage a combination of ground floor retail with office and/or residential uses above the ground floor. A mix of residential and community facility uses is also allowed. However, residential must be the primary use, and if the accompanying mixed use is a commercial use, then the commercial component is limited to a maximum FAR of 0.3. In most locations, the allowable FAR is 1.5-2.8, which can translate to a population of approximately 47.9 to 159 persons per net acre. In areas that are outside the Core Area, the FAR is 1.0 to 2.0, which can translate to a population of approximately 31.9 to 63.9 persons per net acre.

Commercial

Mixed Use–Commercial Emphasis (MU-C), FAR 1.0 to 4.5. Intended to encourage a combination of commercial and residential uses. Commercial (office or retail) must be the primary use. The allowable FAR of 1.0 to 4.5 can translate to a population of approximately 22.4 to 139.9 persons per acre. This type of development and density is encouraged around the west Mt. Diablo Blvd. corridor, in the Newell Ave./S. California Blvd. area, and near the Walnut Creek BART station, for example.**Mixed Use-Downtown (MU-D), FAR 1.0 to 3.0.** Intended to encourage a combination of commercial and residential uses in a high-density/intensity urban environment. A broad range of uses are allowed to provide an appropriate amount of flexibility in development. In general, only retail/restaurant /service uses are permitted on the ground

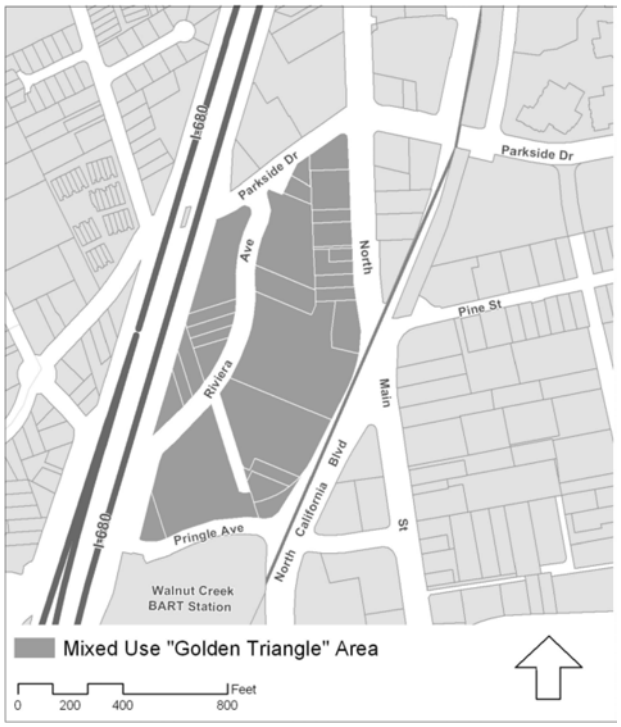


Figure 1. The Golden Triangle Area

floor along Core Area Retail Streets. The allowable FAR of 1.0 to 3.0 can translate to a population of approximately 31.9 to 182.9 persons per acre.

Mixed Use – Golden Triangle (MU-GT), FAR 1.5 to 4.5. Intended to encourage a combination of ground-floor retail, high-intensity office and/or high-density residential development near the Walnut Creek BART station. The appropriate density for new residential projects will be determined with the approval of a Planned Development Permit. The FAR associated with this district is applied to commercial (office or retail) development only. (See Figure 1.)

Pedestrian Retail (PR), FAR 0.75 to 2.8. Intended to provide for a range of retail and personal service uses that are accessed by pedestrians. This type of development will occur where central parking lots and on-street parking are available. With minor exceptions, ground floor uses should be retail, with non-retail uses only on the second floor or above. Typical uses include salons, spas, bookstores, clothing stores, framing galleries, gourmet food shops, greeting card stores, restaurants, and travel agencies.

General Retail (GR), FAR 0.3 to 2.8. Intended for one-stop-shop businesses that rely on customers arriving by auto and provide on-site parking. Uses include discount merchandise stores, financial institutions, hardware stores, hotels, nurseries, restaurants, and shopping centers. Ground floor retail is encouraged; offices may be allowed on the second floor or above.

Service Commercial (SC), FAR 0.1 to 0.3. Provides for service businesses that rely on customers who arrive by auto but do not require a central location. Examples of permitted uses include auto sales and service, cabinetmakers, car washes, drive-in warehousing, glass shops, incubator businesses, laundromats, mini-marts, restaurants, self- and mini-storage, service stations, and sculptors. Office uses are permitted on the second floor and above, but not on the ground floor.

Automobile Sales/Service and Custom Manufacturing (AS-CM), FAR 0.1 to 2.8. Primarily intended for auto dealers, auto service and re-

pair, and other auto-related and auto-oriented retail sales, as well as custom manufacturing uses within the North Downtown Specific Plan area. Businesses not associated with auto sales, service, or repair, or with custom manufacturing, are allowed only if they demonstrate their presence will have no adverse effect on the long-term viability of the Automobile Sales/Service and Custom Manufacturing district. The AS-CM category also supports "Makers' Row," a unique industrial artisan district envisioned by the North Downtown Specific Plan.

Office (OF), FAR 0.5 to 4.5. Primarily high-quality administrative, professional, and general business offices that meet local and regional office space demands. Cultural facilities, restaurants, and retail stores are encouraged on the ground floor.

Business Park (BP), FAR 0.1 to 0.5 (or existing). Intended primarily to facilitate higher-quality, employment-based businesses including administrative, professional office, and research uses. This category is only applicable to the Shadelands Business Park. A mix of lot sizes is encouraged to accommodate small businesses as well as larger campus-style uses. Parcels adjacent to single-family residential areas are required to have larger setbacks, more extensive landscaping, and are limited to a maximum 0.3 FAR. Maximum FAR is 0.5 except that if a single parcel was included with at least one other parcel in a Planned Development (PD) zoning district for which FAR was calculated over the entire PD district, and that PD district is revised in a manner that results in measuring FAR on that parcel alone, then that parcel is limited to the greater of (a) the maximum floor area that existed on that parcel on the date that PD district was revised, up to 1.0 FAR; or (b) 0.5 FAR.

Other

Hospital (HO), FAR 0.6 to 0.85 outside the Core Area; FAR 1.05 inside the Core Area. For facilities providing primarily in-patient medical, surgical, psychiatric, or emergency medical services. This classification also includes out-patient treatment facilities; facilities providing training, research, and administrative services for patients and employees; and offices associated with hospital use.

Public/Semi public (PU), FAR 0.1 to 2.8, determined on a case-by-case basis. This category encompasses facilities serving the public and the larger community good, including BART stations, the civic center, fire stations, government buildings, libraries, public utility stations and yards (but not their offices), public schools, and large, privately owned community-serving recreational facilities.

Open Space/Agriculture, OS/A, 0.1 du/ac. Designates areas currently undeveloped or used for grazing, equestrian, or agricultural pursuits. Intent is to maintain open space/agricultural character. The allowable density of 0.1 units per net acre translates to a population of one person per 4 acres. *(Measure P Ordinance 1781. Adopted 11/5/91)*

Open Space/Recreation (OS/R), not to exceed 0.1 du/ac or an FAR of 0.1, density to be determined on a case-by-case basis. Designates existing publicly owned open space, parks, and golf course. Includes some County-owned land designated for open space use.

CITYWIDE GOALS, POLICIES, AND ACTIONS

Goals 1 through 5 set citywide land use policy and, in large measure, determine the overall framework for the land use map in *General Plan 2025*. Because the city is almost fully developed, the map closely reflects the city's existing land uses and zoning and only calls for minor changes in distribution and intensity of land use.

Of critical importance is the availability of an adequate and varied supply of housing for the workforce on which the local economy depends. Walnut Creek's high housing costs reflect increasing demand and limited supply

and pose a long-term challenge to the city's attractiveness as a place to live, work, and shop. Providing affordable housing close to jobs and transit is a major component of Walnut Creek's land use planning.

Several areas in the city could benefit from coordinated public and private improvement plans at scales smaller than the general plan. These areas include the west Mt. Diablo Boulevard area; the area bounded by Botelho Drive, South Main Street, Newell Avenue, and I-680; underutilized sites between the North Locust Street parking garage and Bonanza Street; and the Locust Street/Mt. Diablo Boulevard precise plan area.

GOAL 1

Maintain the balance of open space and public and private land uses existing in Walnut Creek in 2005.

Policy 1.1. **Strive to maintain the balance of housing, commerce, and open space in the community.**

Action 1.1.1. Adopt a land use map for the Walnut Creek Planning Area.

Policy 1.2. **Work to balance the number and types of jobs and the amount and kind of housing available in Walnut Creek.**

Policy 1.3. **Provide for public lands to accommodate community services, including recreational, arts, and cultural programs and activities.**

GOAL 2

Encourage housing development that helps to reduce the increase in traffic congestion.

Policy 2.1. **Develop flexible policies and regulations that facilitate new housing development.**

Action 2.1.1. Prepare zoning regulations which facilitate the development of high density multifamily housing in areas with good access to transit, and areas that are located within walking distance of a high number of jobs and services within the Core Area.

GOAL 3

Encourage housing and commercial mixed-use development in selected locations that enhances pedestrian access and reduces traffic.

Policy 3.1. **Create opportunities for mixed-use developments.**

Action 3.1.1. Encourage mixed-use development at and near the Walnut Creek and Pleasant Hill BART Stations.

Action 3.1.2. Require that office development in the Golden Triangle (see Figure 1, page 4-5) and new development in the Mixed Use – Residential land use categories provide housing components.

GOAL 4

Promote and facilitate development that reflects the City's long-term vision.

Policy 4.1. **Develop specific plans, precise plans, concept plans, or area plans for underdeveloped or underutilized areas of the city that are changing or have the potential to change significantly.**

Action 4.1.1. Prepare a specific plan for the two-block Newell Ave./S. California Blvd. area that would support mixed-use development that combines residential, retail, and office uses in a pedestrian-oriented environment that takes advantage of the creek location. The specific plan should address the following issues: preservation of visual corridors, a circulation plan that considers and mitigates additional traffic impact on the Parkmead and other surrounding neighborhoods, bike and pedestrian access to and through the site, and improved pedestrian and visual access to the creek amenities. (See Figure 2.)

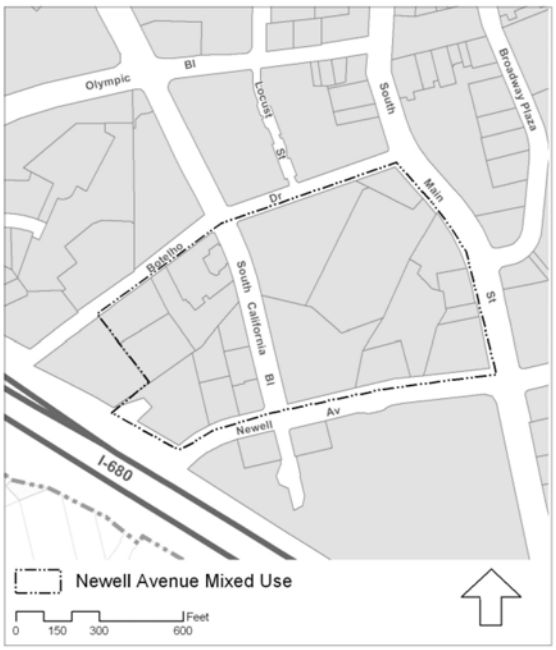


Figure 2. Future Specific Plan Area

Action 4.1.2. Establish an overlay zone for all properties that abut the Almond/Shuey neighborhood that acknowledges the potential height disparity between adjoining land uses and requires site plans and architectural designs to minimize visual, noise, shadowing, and privacy impacts on the Almond/Shuey neighborhood. Solutions may include, but are not limited to, maintaining a 10-foot setback for all new buildings from the Almond/Shuey neighborhood line, controlling the height of new buildings so that taller portions are located more distant from the neighborhood line in a manner that minimizes the visual impact from new buildings on the Almond/Shuey neighborhood, and incorporation of landscaping to screen new buildings. (See Chapter 2, Figure 1)

Action 4.1.3. Establish an overlay zone for the parcels along the south side of Mt. Diablo Blvd. between Alpine Dr. and S. California Blvd. to protect important views of Mount Diablo and the foothills.

Policy 4.2. **Implement approved specific plans and redevelopment plans.**

GOAL 5

Require that infill development is compatible with its surroundings.

Policy 5.1. **Require infill development to be compatible with adjacent and nearby uses.**

Action 5.1.1. Where new development occurs, study surrounding properties and uses for potential conflicts, and address those conflicts within the City's review processes.

Policy 5.2. **Do not authorize the development of new flag lots when alternative lot patterns are feasible.**

Policy 5.3. **Require that all new parcels have permanent access to a public street.**

CORE AREA

Walnut Creek's Core Area is a 1.2-square-mile (768-acre) central district with higher densities than other parts of the city. (See Figure 3, page 4-10.) The land uses in the Core Area are primarily commercial, with some residential infill as well as many public and civic facilities, parks, and Las Lomas High School.

The Pedestrian Retail District is the civic and retail center of downtown Walnut Creek. (See Figure 4, page 4-11.) With its large street trees, outdoor dining opportunities, and dense-but-small-scale development pattern, this area is a thriving shopping, dining, and entertainment district unique in central Contra Costa County. The City has built three parking structures in the Pedestrian Retail District to encourage people to come downtown and "park once and walk."

At the center of the Core Area is the Traditional Downtown —located generally along Locust and North Main Streets, south of Civic Drive and north of Mt. Diablo Boulevard. (See Figure 5, page 4-12.) Small parcels and a modified grid street pattern characterize the Traditional Downtown. Buildings are primarily one and two story, built close together, and inviting to pedestrians. Many of the older buildings were constructed before on-site parking was required, so the area has only a few surface parking lots.

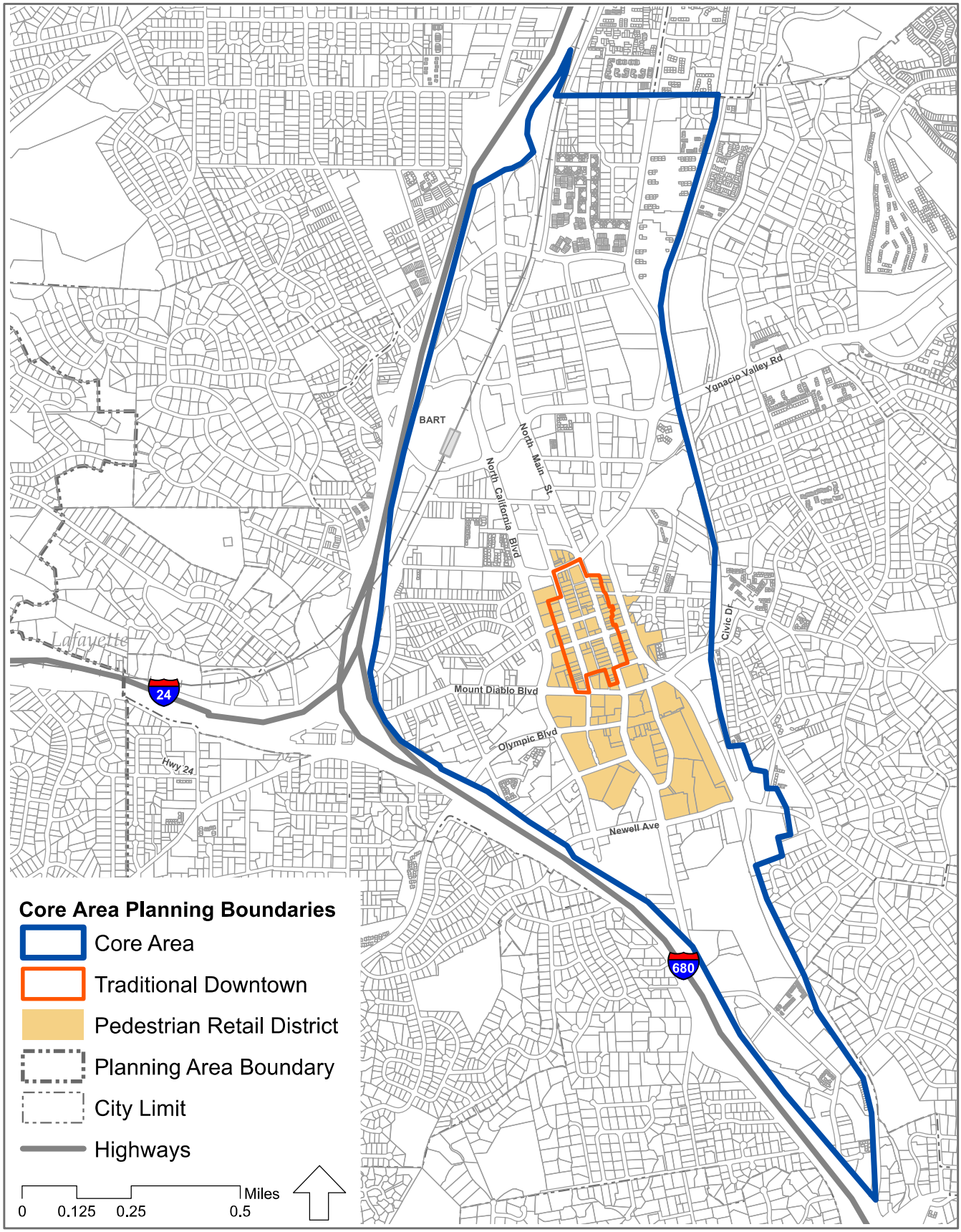


Figure 3. Core Area

Revised: August 31, 2017
Base Map Data: 2017
Data Source: City of Walnut Creek

GOAL 6

Maintain and enhance Walnut Creek's thriving Core Area, while keeping the Pedestrian Retail District lively and walkable.

Policy 6.1. **Retain and encourage a balance of local- and regional-serving retail businesses in the Core Area.**

Policy 6.2. **Focus development in the Pedestrian Retail District on retail and restaurants, and expand the area's potential to host arts and cultural events.**

Action 6.2.1. In the Pedestrian Retail District, require pedestrian-oriented uses at street level.

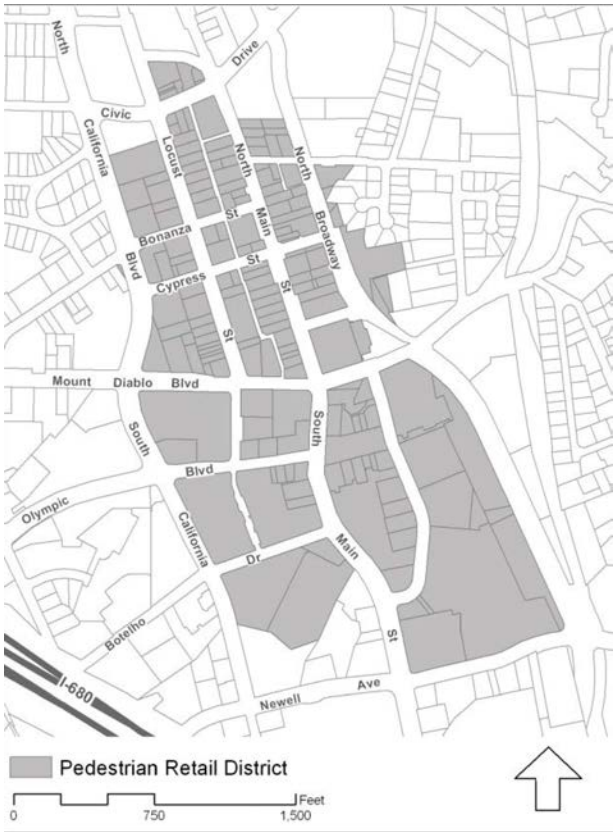


Figure 4. Pedestrian Retail District

Action 6.2.2. Promote building layouts and designs that create pedestrian interest and encourage people to "park once and walk".

Action 6.2.3. Create flexible development policies and regulations that encourage owners and developers to provide parkland or other public spaces or plazas, beyond the amount of open space and/or landscaping already required. (See Chapter 3, Policy 7.3.)

Action 6.2.4. Require new development with creek frontage to incorporate pedestrian access to the creeks and to enhance the appearance of creek frontages.

Policy 6.3. **Retain and encourage a variety of small stores and businesses in the Traditional Downtown.**

Action 6.3.1. Review permitted uses and revise development regulations to maintain the smaller-scale commercial buildings and fine-grain character of the Traditional Downtown.[4] (See Figure 5)

Action 6.3.2. Study an amendment to the Pedestrian Retail Zoning District to allow business entrances off service alleys in the Traditional Downtown (e.g., Commercial Lane and Wilson Lane).

Action 6.3.3. Review and consider expansion of the City's Design Review Guidelines for development in the Traditional Downtown to preserve the special character of that area.

[4] This policy does not preclude expansion of arts facilities or locating a hotel downtown.

Action 6.3.4. Discourage new residential development in the Traditional Downtown area.

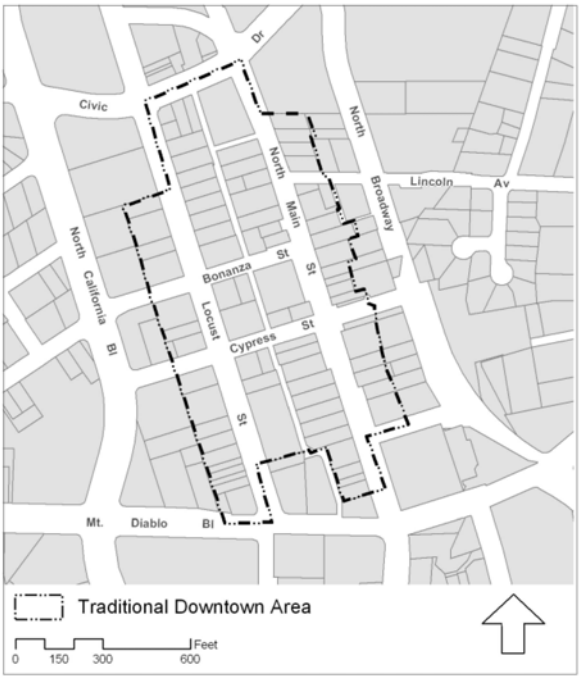


Figure 5. Traditional Downtown

Policy 6.4. Enhance the overall vitality of the Core Area south of Mt. Diablo Boulevard.

Action 6.4.1. Encourage diverse housing options, including mixed-use, higher-density developments.

COMMERCIAL AREAS OUTSIDE THE CORE

GOAL 7

Provide adequate location and expansion opportunities for businesses that serve and employ Walnut Creek residents.

Policy 7.1. Maintain and enhance shopping centers in neighborhood areas as local-serving retail centers.

Action 7.1.1. Study zoning amendments at existing shopping centers in neighborhood areas with Mixed Use-Commercial Emphasis land use designations to allow residential infill.

Policy 7.2. Protect and enhance service commercial and auto sales and service uses along upper North Main Street.

Policy 7.3. Maintain the Shadelands Business Park primarily as an employment center, while allowing some retail and restaurant use that will serve the Shadelands business community.

Action 7.3.1. Review and revise development regulations—such as minimum lot sizes and setbacks—for the Shadelands Business Park.

Policy 7.4. For the five properties that abut Ygnacio Valley Road at Ygnacio Court, allow office use in existing structures while providing adequate access and compatibility with the surrounding residential neighborhood. (See Figure 6.)

Action 7.4.1. Establish stringent use and development regulations for the five properties.

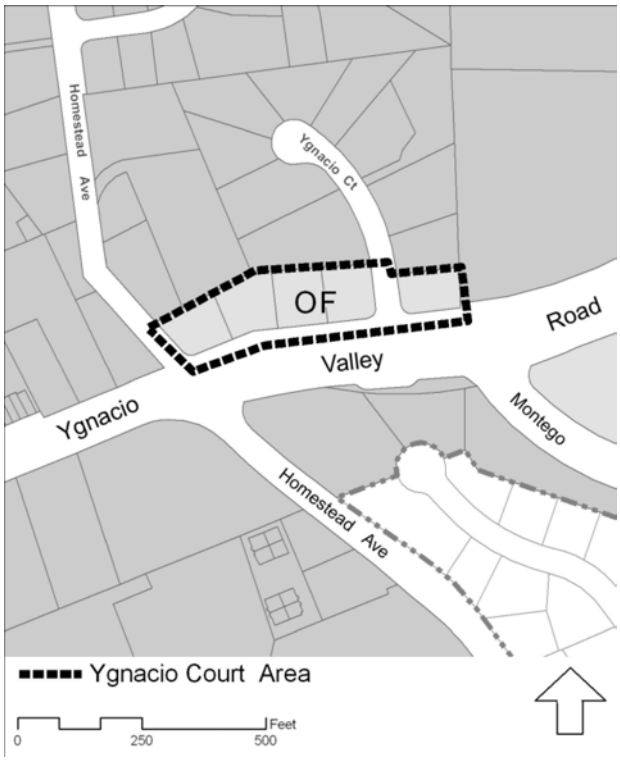


Figure 6. Five Ygnacio Valley Road Properties, Policy 7.4

GOAL 8

Allow development consistent with the density ranges of the *General Plan 2025* land use map.

Policy 8.1 **Require that residential projects be developed within the established minimum and maximum density ranges.**

Policy 8.2. **Provide property owners and developers with information that clearly communicates the City's density policies (i.e., that development at the high end of the density range in any land use designation or zoning district is not guaranteed; rather, it is contingent on site conditions, zoning requirements, other general plan policies, and project design).**

GROWTH MANAGEMENT

BALANCING LAND USES; PRECLUDING IMPACTS

Walnut Creek has had commercial growth management regulations —in various forms— since 1985, when voters adopted Measure H, a growth-limitation initiative. Measure H was proposed in response to resident concerns about excessive traffic congestion and the construction, in the late 1970s and early 1980s, of a number of large commercial office buildings in downtown Walnut Creek, primarily around the Walnut Creek BART station. The scale of these buildings was substantially different from most previous development in the city's Core Area.

Although the California Supreme Court ruled Measure H invalid in 1990, the City continued to regulate the amount of commercial and residential development allowed each year, acknowledging the residents' desire to meter growth in Walnut Creek.

In 1993, the City Council amended General Plan 1989 to include specific growth-management policies. This Growth Limitation Program limited new commercial growth to 75,000 square feet per year, metered in increments of 150,000 square feet every 2 years, and was adopted for 10 years. The program helped the City to limit growth to 620,000 square feet of new commercial development in the first 10 years (1993-2003).

In 2003, when work began on *General Plan 2025,* the City Council extended the program through August 2005. In August 2005, the council again extended the program through to the adoption of *General Plan 2025*.

General Plan 2025 continues the methodology of the growth management program for commercial development through 2015, limiting

new commercial development exclusive of the Shadelands Business Park to 75,000 square feet per year, metered in 2-year periods. This will result in a maximum allowable commercial development of 750,000 square feet over 10 years.

The growth controls do not regulate the development of community facilities as their benefits override any drawbacks they may create, such as additional traffic.

Other Growth Management Regulations

In 1988, Contra Costa County voters approved Measure C, which established a countywide half-cent sales tax for 20 years (through 2008). Measure C was designed to require cooperation among the various cities and the county on transportation and growth issues that cross city boundaries. The half-cent sales tax provided revenues to complying jurisdictions for roadway and other transportation system improvements.

The Contra Costa County Transportation Authority distributes the revenues to jurisdictions that implement the required growth management goals, policies, and actions adopted as part of their general plans. In 2004, County voters approved Measure J, extending the growth management requirements of Measure C through 2034.

This section of *General Plan 2025* includes the goals, policies, and actions required by Measure C through 2008 and by Measure J from 2009 through 2025 -- the horizon year for this plan. These same goals, policies, and actions create the framework for the City's commercial growth management program through 2015.

GOAL 9

Manage the community's orderly growth.

Policy 9.1. Mete out the amount of commercial development allowed annually.

Action 9.1.1. Limit the amount of commercial development permitted citywide, outside of the Shadelands Business Park, to no more than 75,000 square feet per year from 2006 through 2015, allotting no more than 150,000 square feet in any 2-year period.

Action 9.1.2. Allow un-allocated commercial development square footage to be carried over to the next development cycle.

Policy 9.2. Exclude Community Facilities[5] from growth management limits.

Policy 9.3 Establish a housing cap consistent with the Regional Housing Needs Determination allocation assigned to the City of Walnut Creek and exempt affordable units and density bonus units from the cap. Review the cap every 5 years for it's adequacy in meeting the City's regional housing needs allocation.

Policy 9.4. Support annexation of properties where existing condition or development potential promises positive fiscal, economic, or social impacts.

[5] Community Facilities serving the public and the larger community good, including the following zoning use classifications: Adult Day Care Facilities, Child Day Care Facilities, Clubs and Lodges, Colleges, Cultural Institutions, Emergency Medical Care, Government Offices, Heliports, Hospitals, Housing for the Homeless, Maintenance & Service Facilities, Park & Recreation Facilities, Public Parking Facilities, Public Safety Facilities, Public Transit Terminals, including BART stations, Recycling Facilities, Religious Assembly, Residential Care Facilities, Schools, public or private, Skilled Nursing Facilities, Utilities Major and Minor.

Action 9.4.1. Provide information on the annexation process to County residents within the city's Sphere of Influence.

GOAL 10

Coordinate the location, intensity, and mix of land uses with transportation resources.

Policy 10.1. Support the development of medium- and high-density office, residential, and local-serving retail near and around the Walnut Creek and Pleasant Hill BART stations (Core Area). (See Transportation Goal 7 and its supporting policies and action programs.)

Action 10.1.1. Apply land use designations that encourage transit-oriented development around the BART stations and in the Core Area.

Policy 10.2 For specific sites where traffic congestion could be significantly improved and view corridors would not be adversely impacted, consider supporting a change to Measure A height limits.

MEASURE C (1988) AND MEASURE J (2004)

Goals 11 and 12 fulfill the Measure C and Measure J requirements for local general plans, through 2025.

GOAL 11

Create a balanced, safe, and efficient regional and subregional transportation system.

Policy 11.1. Require that commercial projects comply with the City's performance standards for fire, police, parks, water, flood control, and sanitary sewer facilities.

Policy 11.2. Implement Measure C and plan for the implementation of Measure J.

Action 11.2.1. Demonstrate compliance with all components of the Measure C (1988) and Measure J (2004) Growth Management Program.

Action 11.2.2. At a minimum, comply with the Measure C adopted standards for Level of Service at intersections along Basic Routes.[6]

Action 11.2.3. Work with TRANSPAC in implementing the Central County Action Plan for Routes of Regional Significance.

[6] Basic Routes are defined in Measure C.

Action 11.2.4. Participate with TRANSPAC and the Contra Costa Transportation Authority and other jurisdictions and agencies in a continuing planning process.

Action 11.2.5. Demonstrate reasonable progress in providing housing opportunities for all income levels.

Policy 11.3. Require that new development pay its share of costs associated with growth.

Action 11.3.1. Implement TRANSPAC's Regional Transportation Mitigation Program with respect to new regional development and its impacts on Walnut Creek roadways.

Action 11.3.2. Assess a traffic impact fee on new development.

Action 11.3.3. Apply the Transportation Authority's travel demand model (as updated from time to time) in analyzing developments that exceed Measure J thresholds.

Policy 11.4. Do not allow revenue provided from Measure J to be used to replace private developer funding that has or would have been committed to any transportation project.

Action 11.4.1. Prepare a Capital Improvement Plan that identifies roadway and transportation improvements needed to implement the general plan goals and policies for each five-year planning period.

GOAL 12

Make more efficient use of the regional and subregional transportation system.

Policy 12.1. Promote the use of carpools and vanpools.

Action 12.1.1. Review the use of park-and-ride lots to maximize use.

Action 12.1.2. Update the transportation systems management (TSM) ordinance or resolution, as needed.

Action 12.1.3. Encourage transportation demand management (TDM) programs in new development.

Policy 12.2. Support infill and redevelopment in existing urban areas.

Action 12.2.1. Adopt a voter approved Urban Limit Line, either as mutually voted on countywide or relating solely to Walnut Creek.

URBAN DESIGN

A wide variety of built and natural features contribute to Walnut Creek's rich and complex character. The pedestrian-scaled downtown, attractive residential areas, commercial corridors, neighborhood-serving shopping areas, regional employment centers, and extensive open space areas each contribute to the mosaic of places and experiences that make the city unique.

This section of the plan:

- **Presents information on how the city's urban form and visible features contribute to Walnut Creek's identity and unique character.**
- **Sets forth goals, policies, and actions to reinforce that identity and character, and to influence the form of the city over the next 20 years.**
- **Provides guidance to help new development achieve a desired quality.**
- **Includes policies for city design and building design, for compatibility of infill development, and for specific areas of the city.**

The policies focus on both the design of buildings and the design of spaces between buildings—plazas, parks, courtyards, walkways, street corridors, and intersections. These spaces, which create the "public realm," contribute as much or more than individual buildings to creating a vital and memorable city.

CITYWIDE

A city's setting is perhaps the most important determinant of its urban form. Walnut Creek takes its form and visual identity from the interplay of the built and natural environments. The combination of built and natural features gives the city a specific "sense of place."

In general, the majority of Walnut Creek's built areas are residential, while the city's Core Area hosts varying types of development. The residential development predominantly comprises suburban one- and two-story single-family detached houses. Multifamily residences are located along some arterials and dispersed in some neighborhoods. Rossmoor, the gated senior community, is somewhat self-contained within its large valley setting.

Scale of Development

The policies guiding urban design are meant to shape the physical form of the city. They do so with four components that regulate and shape buildings: development intensity, building height, building setback (distance) from the public right-of-way, and building step-backs (additional setbacks at upper floors).

1. Development Intensity

Development intensity is regulated by floor area ratio (FAR) (see pages 4-20 and 4-21). FAR determines the amount of gross floor area permitted on a site, but does not specify how that mass is arranged. Because parking structures are excluded from the FAR calculation, the built mass of a development project with a large parking structure can substantially exceed the allowable FAR. Commercial FAR is identified in Figure 8 on page 4-20 and mixed use FAR is identified in Figure 9 on page 4-21. For mixed use land use categories, the commercial portion of the development is regulated by the commercial FAR shown in Figure 8, and the Mixed Use FAR is regulated by Figure 9. The Mixed Use FAR is for all uses combined. (See Figure 1 on page 4-3 and Figures 8 and 9.)

2. Height Limits

The City regulates building height. While FAR determines intensity of use and affects the amount of traffic generated, building height affects the city's appearance and identity, particularly in the pedestrian-scaled areas that comprise the Core Area and the Traditional Downtown. (See Figure 10 on page 4-22.) By regulating building heights, the City can protect view corridors, regulate building scale, and ensure consistency and compatibility within an area or along a street.

Measure A (1985 voter initiative) established height limits for the entire city. Basically, Measure A froze building height limits for new development based on the applicable zoning ordinance on the date the initiative was approved. As a result, height limits throughout the city vary widely, from 89 feet (and no more than 6 stories) to 20 feet. The Measure A height limits can be modified only with voter approval.

Areas where Measure A height limits have discouraged or could preclude reasonable redevelopment are the Palos Verde Mall, 1510 Geary Road (former Co-op site), and City properties on Lawrence Way, which includes the city corporation yard, the traffic operations site, and the land used by the recycling center.

3. Building Setbacks

Along specifically designated streets, setbacks regulate the placement of buildings with respect to their front (street-side) property lines and right-of-way boundaries. These regulations provide for a required minimum setback distance from the right-of-way and a required minimum amount of open area between the building and the right-of-way, based on the average setback distance. Building setbacks in the Core Area are illustrated in Figure 11 on page 4-23. A 10-foot minimum building stepback is also required for the street frontage elevations of all buildings located within the Locust Street/ Mt Diablo Boulevard Specific Plan area that have a height in excess of 35 feet. Figure 12 on page 4-24, Setback Averaging Principle, demonstrates how to calculate the average setback area, and shows how a building façade may protrude into the required average setback so long as the open area between the building and the right-of-way is no less than the area required for a building constructed to the average required setback.

Except where otherwise specified by the West Downtown or North Downtown Specific Plans, the required minimum dedicated sidewalk width in the Core Area is 10 feet. In the Core Area where more than a minor (0-10 foot) building setback is required, the additional setback area is to encourage additional sidewalk width, pedestrian plazas, courtyards, seating areas, public art, landscaping and/or similar public amenities. The actual design and use of the additional setback area will be determined on a case-by-case basis as new developments are proposed.

The Setback Averaging Principle is demonstrated in Figure 12 on page 4-24, and is designed to encourage new buildings that have public plazas, courtyards, significant landscaping, or other public amenities that are visible and accessible from the street. Under this principle, the building setback may vary along the "principle building frontage" so long as the average distance between the required public right-of-way and the building edge is at least as great as the prescribed average setback. Upon a finding by the highest approving body, the setback requirement may be waived or reduced in cases of unusual street or parcel configuration or where such setbacks would be undesirable.

4. Building Stepbacks

Regulating both building height and building setbacks is needed in some areas to preserve views to Mt. Diablo and surrounding open space areas. Most view loss occurs at the street edge when excessive building height is permitted at or near the street frontage.

Maintaining a lower building height is also desirable in areas such as the Traditional Downtown, where smaller, pedestrian-scale development is preferred at the street level. In

most areas within the Pedestrian Retail District, building heights cannot exceed 50 feet. For most parcels in that district, a building stepback is also required for upper floors, any part of which is 35 feet or more above street level. The required depth of this stepback will be decided on a case-by-case basis, but must be at least 10 feet. The building stepback is illustrated in Figure 7 on this page and the locations where stepbacks are required in the Core Area are shown on Figure 10 Height Limits map indicated by the "35-50" category.

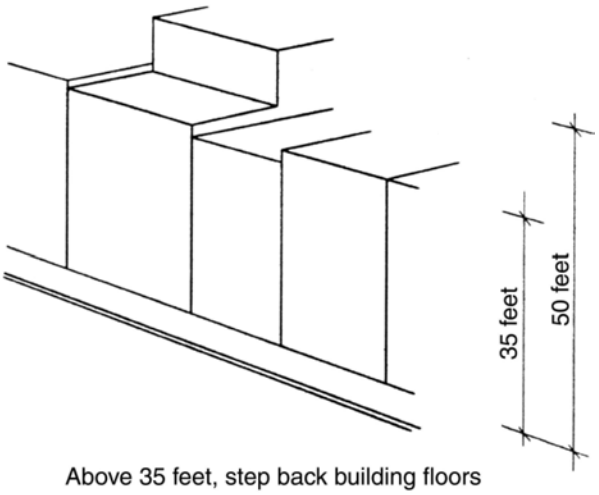


Figure 7. Building Stepback

Neighborhoods

Neighborhoods are residential areas of varying size and character. A typical *suburban* neighborhood in Walnut Creek has wide tree-lined streets and one- and two-story homes with well-landscaped front yards.

Walnut Creek's *urban* neighborhoods are primarily found in the Core Area. Urban neighborhoods have a higher density than typical suburban neighborhoods and comprise single-family homes on small lots and/or multifamily developments.

The Almond/Shuey neighborhood is located in the urbanized downtown district. It is a unique living environment due to the concentration of single-family homes located within walking distance of downtown shops, offices, and BART. The character of this area is a mixture of older-style, detached and duplex homes, many with gracious front yards and mature trees. It is the City's goal to maintain the Almond/Shuey neighborhood in much the same way as it currently exists. The General Plan designates the area as 6-14 dwelling units/acre category (Multifamily Low), but this simply reflects the density of the existing area. No major intensification is contemplated for the area, although some additional duplex units may be built.

A single-family home outside the Core Area

Rural character neighborhoods are usually found in the hillside areas of the city and the unincorporated parts of the planning area. Parcels in these areas are often larger than elsewhere in the planning area and have building constraints because of slopes or other natural features. Roads in rural–character areas can be narrow and winding and often lack sidewalks, curbs, gutters, and streetlights, all of which makes on-street parking limited or, in some cases, hazardous.

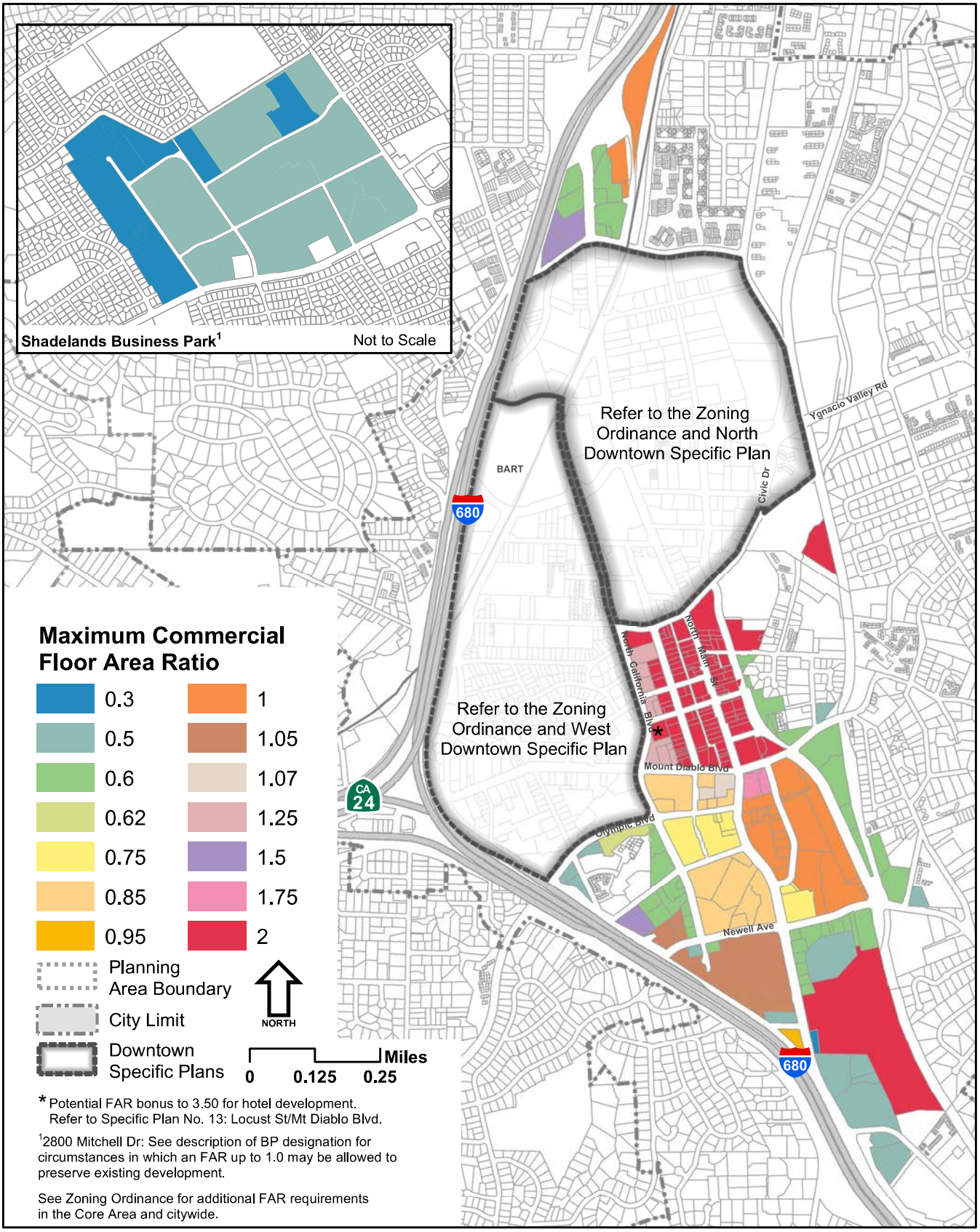


Figure 8. Commercial Floor Area Ratios

Revised: January 9, 2023
Base Map Data: 2020
Data Source: City of Walnut Creek

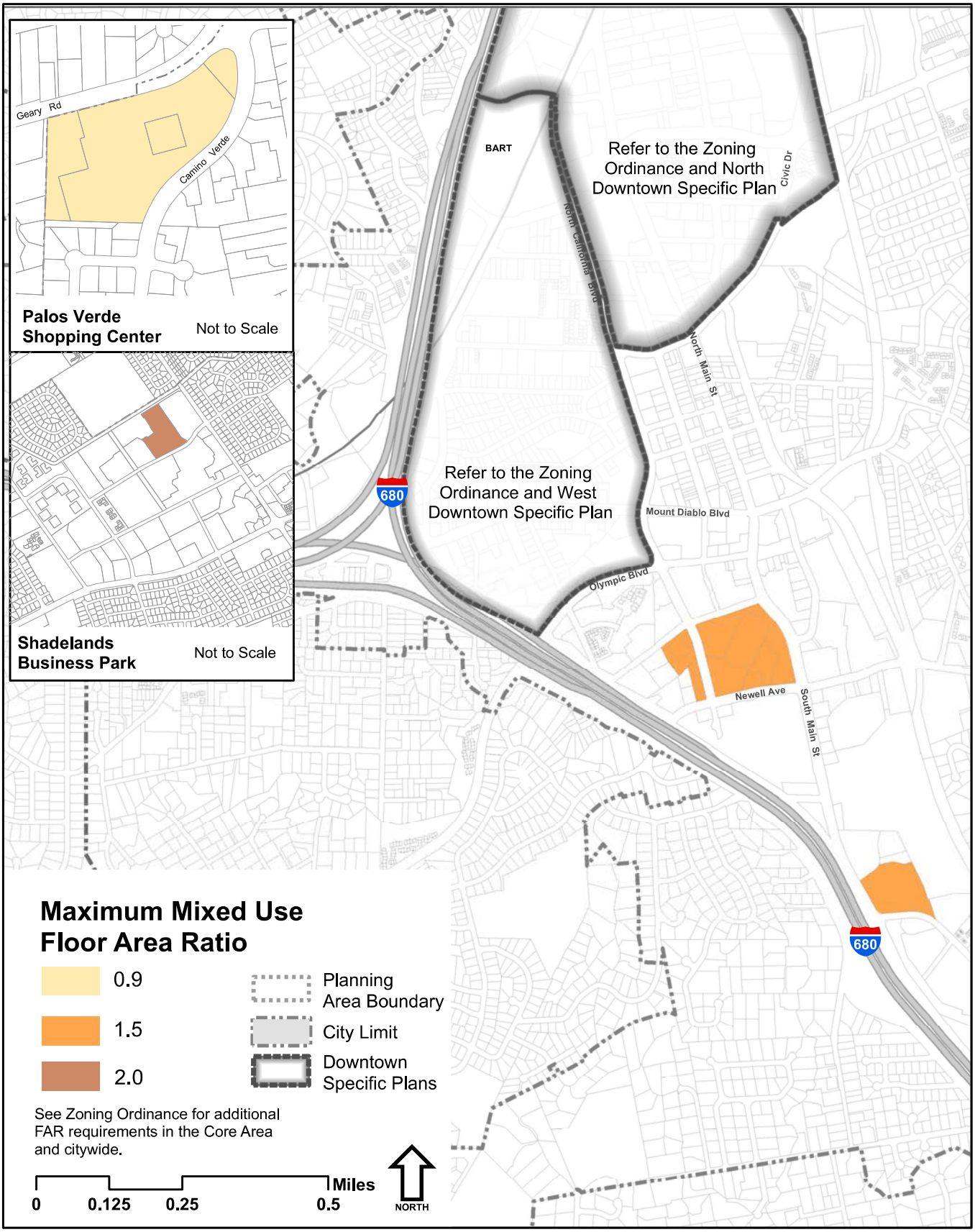


Figure 9. Mixed Use Floor Area Ratios

Revised: January 10, 2023
Base Map Data: 2020
Data Source: City of Walnut Creek

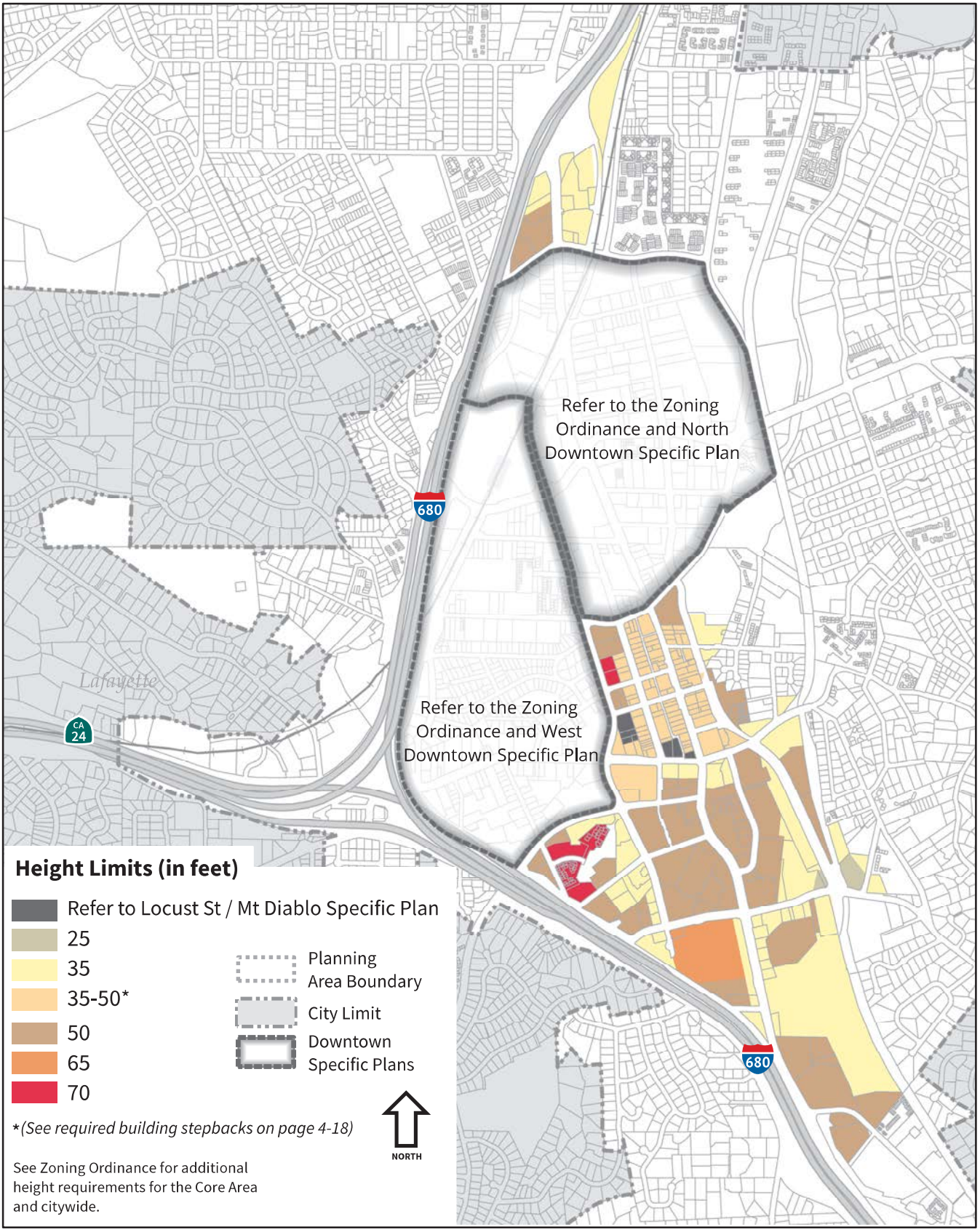


Figure 10. Core Area Height Limits

Revised: September 14, 2020
Base Map Data: 2020
Data Source: City of Walnut Creek

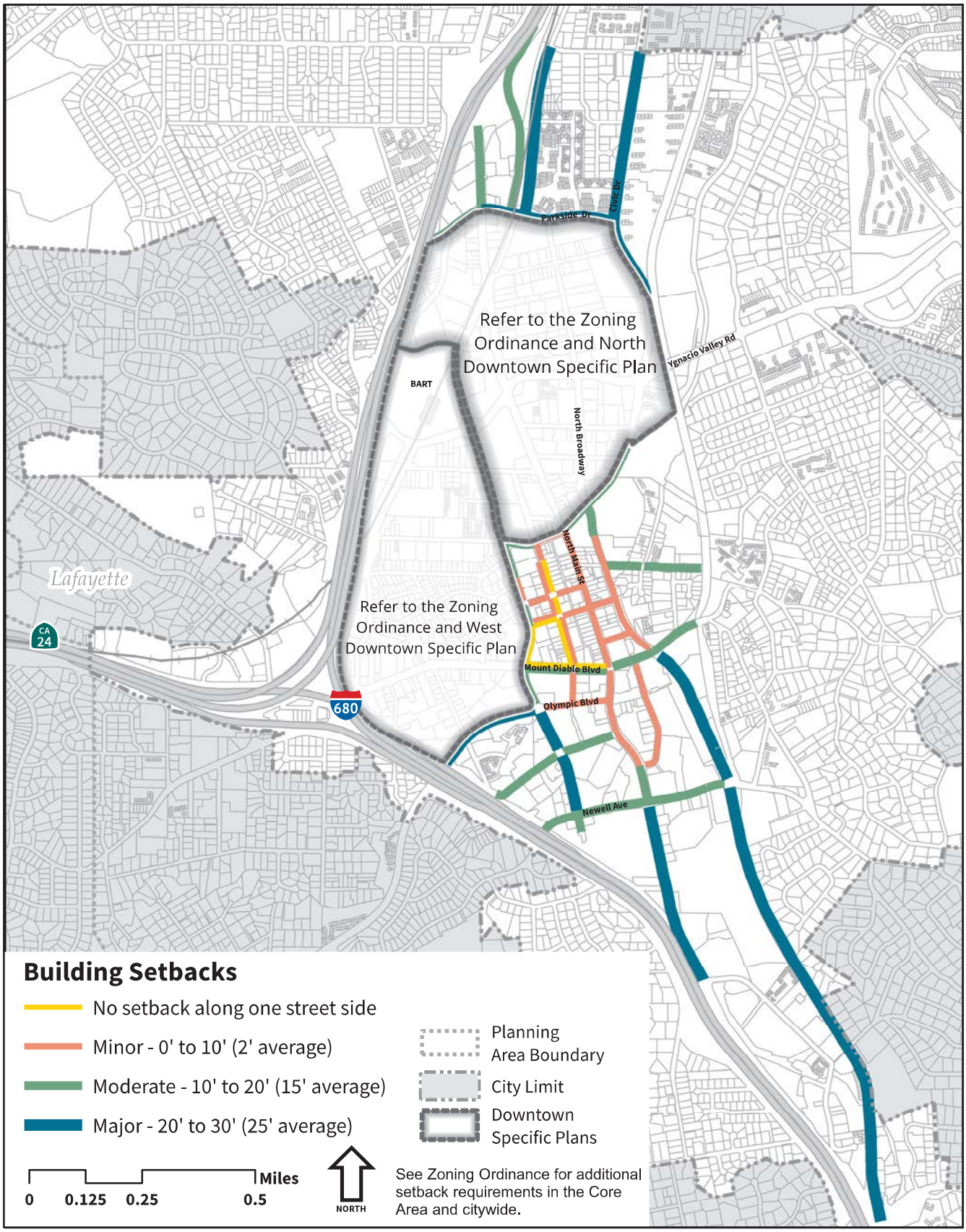


Figure 11. Core Area Building Setbacks

Revised: September 14, 2020
Base Map Data: 2020
Data Source: City of Walnut Creek

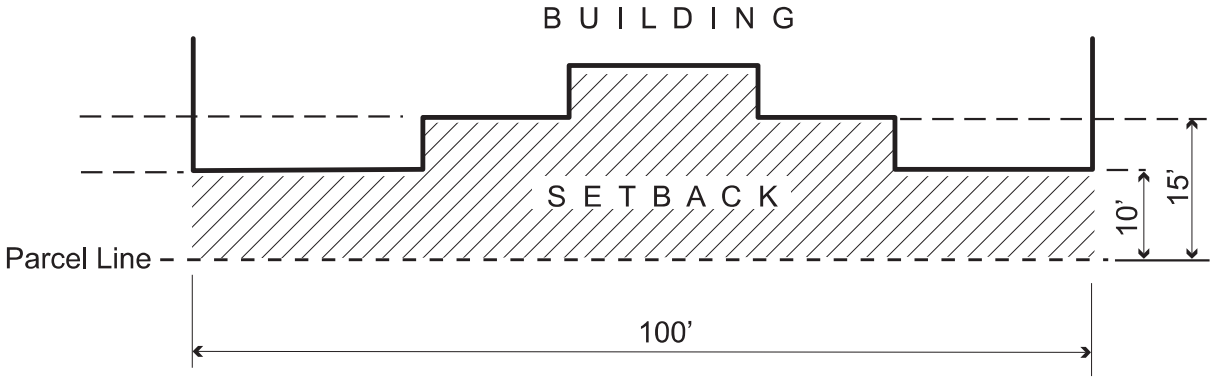
Example A

Moderate Setback: 10 feet minimum setback / 15 feet average setback

Minimum Required Setback: 10 feet from parcel line
Average Required Setback: 15 feet from parcel line
Length of Principle Building Frontage: 100 feet

Calculated Average Setback
15 feet (Average Setback) X 100 feet (Building Frontage) = Minimum 1,500 square feet

Shaded Setback Area = 1,500 square feet



Example B

Minor Setback: 0 feet minimum setback / 2 feet average setback

Minimum Required Setback: 0 feet from parcel line
Average Required Setback: 2 feet from parcel line
Length of Principle Building Frontage: 50 feet

Calculated Average Setback
2 feet (Average Setback) X 50 feet (Building Frontage) = Minimum 100 square feet

Shaded Setback Area = 120 square feet

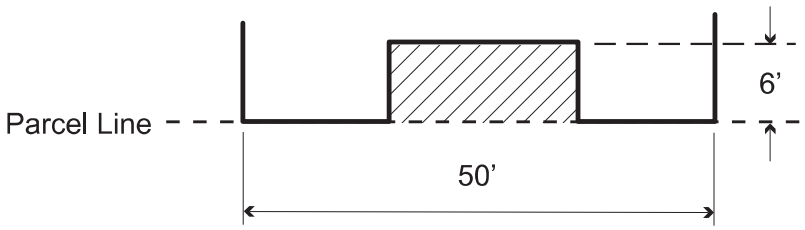


Figure 12. Demonstration of Setback Averaging Principle

Open Space

Walnut Creek's open spaces are critical components of the city's identity. They provide physical orientation, boundaries for urban development, and a sense of place. The views from the city to the surrounding open spaces and hills are extremely important to the residents and to patrons of many businesses.

Lime Ridge Open Space Area from the Arbolado area

Connectivity

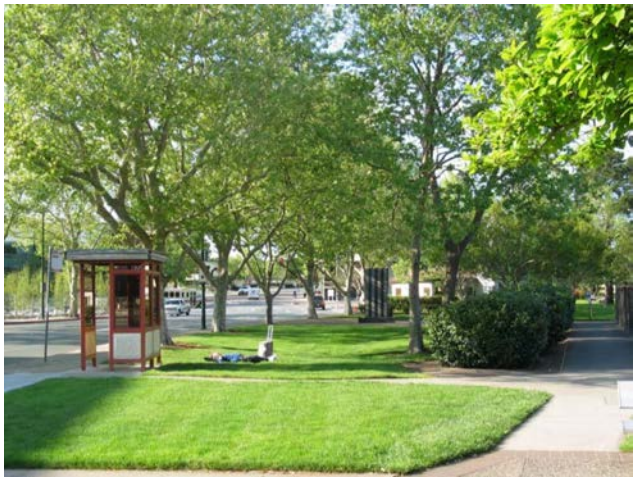
Walnut Creek's irregular street patterns also contribute to the community's sense of place. They differentiate neighborhoods from each other, and the city from surrounding communities. The streets, street patterns, and a system of trails all influence connectivity—the ease or difficulty of travel between neighborhoods and commercial areas.

Landmarks and Nodes

Landmarks and nodes are reference points that help people orient themselves in the community. Landmarks are prominent physical objects that serve as visual focal points. Nodes are gathering places and significant points of activity. The locations of a number of city landmarks are shown in Figure 13, page 4-28.

Gateways

Gateways are landmarks, nodes, or views that define an arrival point. They promote community identity by providing unique reference points and orientation. Several goals, policies, and actions address gateways and their design. The locations of Walnut Creek's vehicular gateways are shown in Figure 13, page 4-28:



Civic Park

- North Main Street at Geary Road/Treat Boulevard
- Ygnacio Valley Road at North California Boulevard
- Mt. Diablo Boulevard at Oakland Boulevard
- Olympic Boulevard at I-680
- South Main Street at I-680
- South Broadway at Rudgear Road
- Ygnacio Valley Road at Oak Grove Road

Scenic Corridors and Views

The views from Walnut Creek to surrounding open spaces, hills, and Mount Diablo are integral to the city's identity, sense of place, and character. Figure 14, page 4-29, shows the city's scenic corridors and significant views.

Mt. Diablo from Marchbanks Drive

GOAL 13

Maintain and enhance high-quality building design and urban design.

Policy 13.1. Maintain urban design and architectural standards for evaluating the scale, appearance, and compatibility of new development proposals.

Action 13.1.1. During the City's review processes, confirm that the project design will be compatible with adjacent uses.

Action 13.1.2. Consistently apply the City's Design Review Guidelines and periodically examine and revise as needed.

Action 13.1.3. Review and maintain the building setback map for the Core Area, and amend the zoning ordinance as necessary.

Policy 13.2. Regulate building placement and upper-floor stepbacks along important streets in the Core Area.

Action 13.2.1. Regulate building setbacks along specifically designated streets in the Core Area. (See Figure 11, page 4-23.)

Action 13.2.2. Use the required setback area to encourage developers of new buildings to include public plazas, courtyards, significant landscaping, or other public amenities that are visible and accessible from the street. (See Figure 12, page 4-24.)

Action 13.2.3. Develop a comprehensive plan for siting and developing public and publicly accessible spaces and plazas in the Core Area.

Action 13.2.4. Use policies to encourage new and existing commercial development to incorporate accessible roof gardens, ground-level public plazas, public courtyards and passageways, landscaping, public art, and other desired public amenities beyond those specified during the normal City review process.

Policy 13.3. Coordinate the building heights allowed under the general plan, zoning ordinance, and Measure A.

Action 13.3.1. Through the City's review processes, permit architectural elements, mechanical equipment, alternative-energy devices, and other structures to be placed above the roofline and above the height limit—as permitted in the zoning ordinance.

Action 13.3.2. Allow increases in height, up to the Measure A height limits, for developments that provide exceptional public amenities such

Plaza and fountain at Plaza Escuela

as accessible roof gardens, ground-level public plazas, creek orientations, public courtyards and passageways, landscaping, public art, and other desired public amenities beyond those specified during the normal City review process.

Action 13.3.3. For specific sites that offer good potential for mixed-use development (e.g., former Co-op site [1510 Geary Road] or the Palos Verde Mall), facilitate community discussion about increasing the Measure A height limits.

Action 13.3.4. For important civic buildings, allow exceptions to the Measure A height limit, not to exceed 89 feet.

Pedestrian path connecting Main Street and Commercial Lane

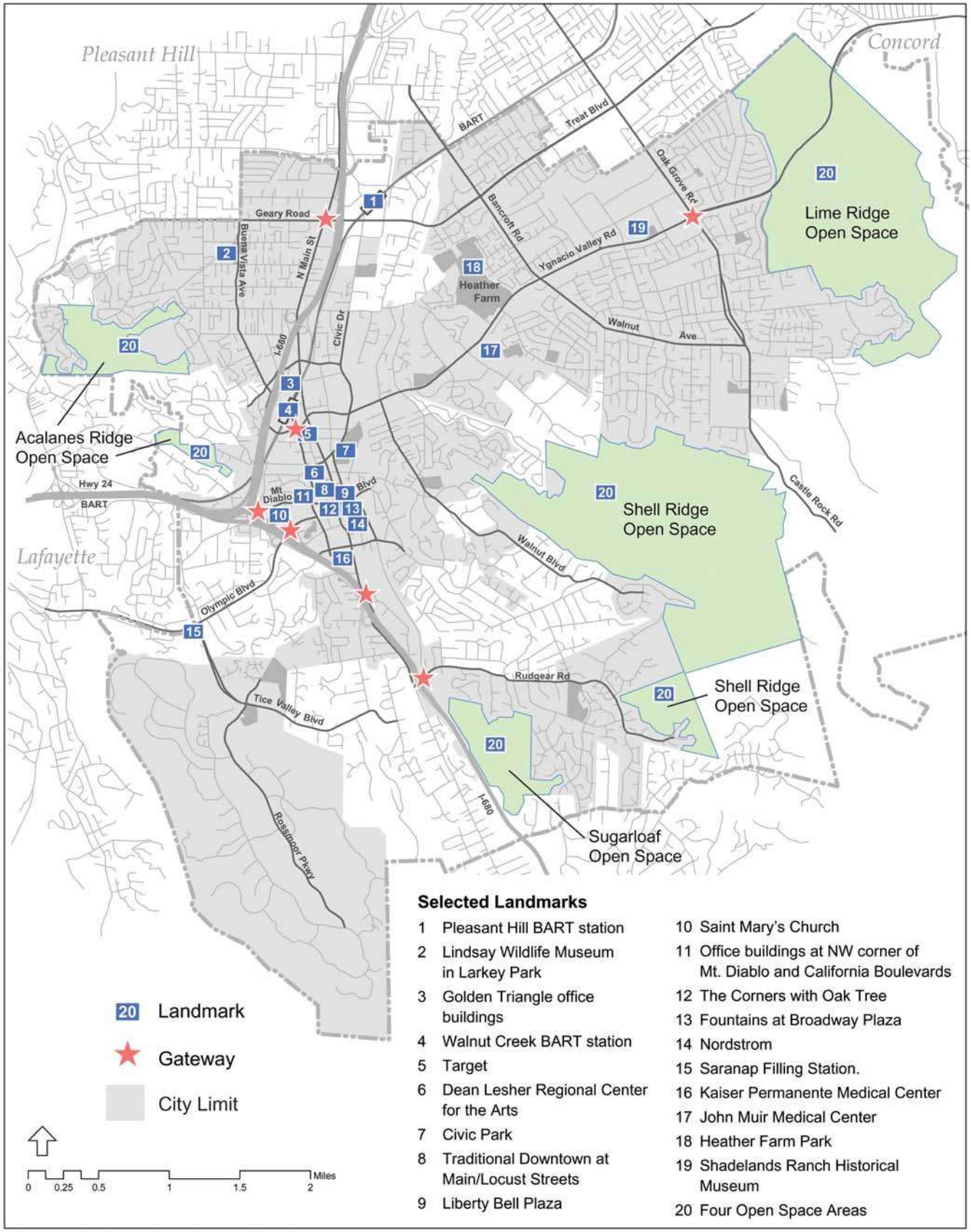


Figure 13. Landmarks and Gateways

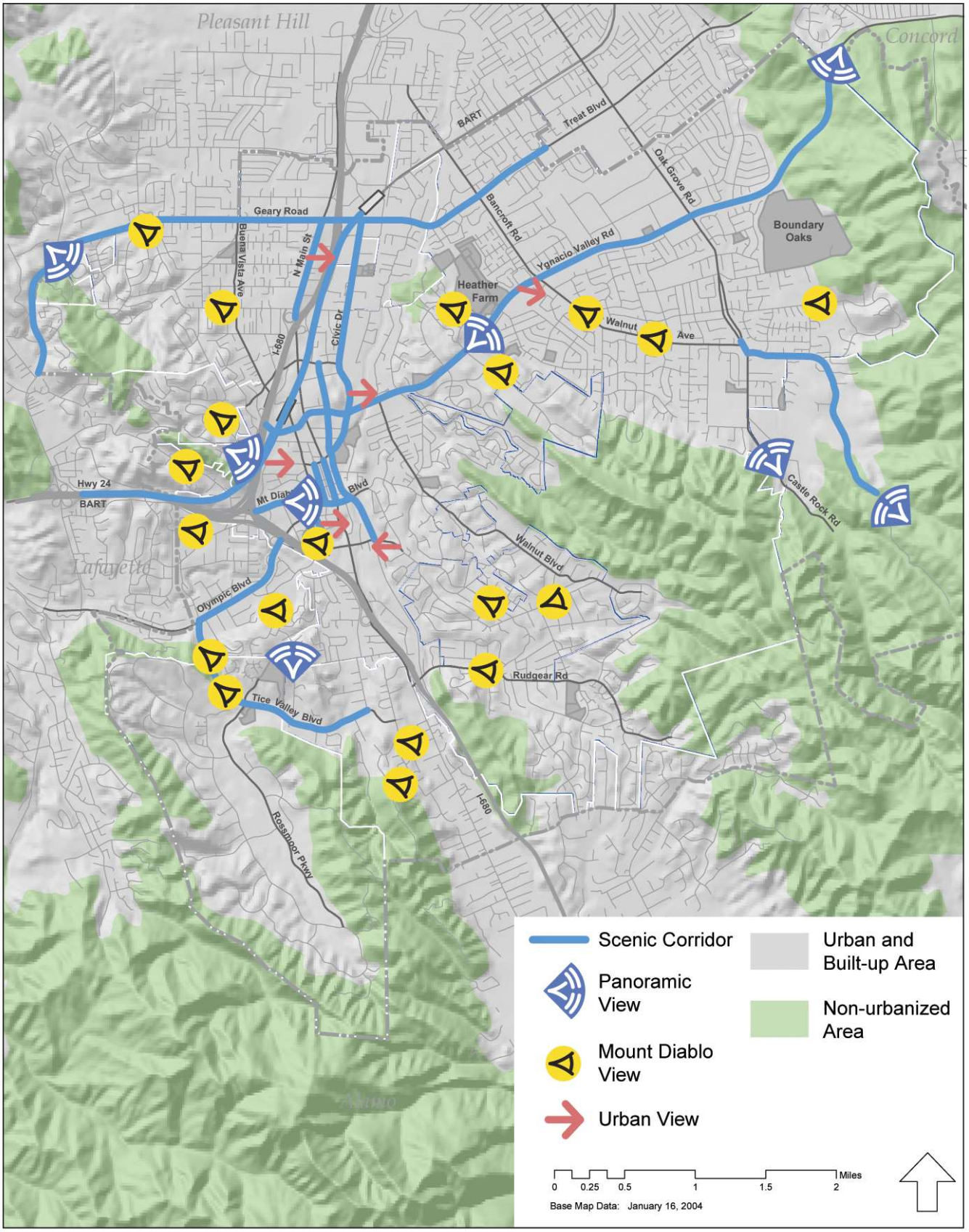


Figure : Urban and Non-Urban Areas with Scenic Corridors and Views

GOAL 14

Create livable, well-designed, mixed-use communities.

Policy 14.1. Improve transitions between land uses, as opportunities arise, with new development or redevelopment.

Action 14.1.1. Require mixed-use development to address issues that arise from the proximity of residences to commercial uses.

Action 14.1.2. Supplement the City's Design Review Guidelines and other construction standards to address, for mixed-use projects, noise and security of entrances, open spaces, and parking areas.

GOAL 15

Enhance connectivity and mobility throughout the city.

Policy 15.1. Encourage new development that optimizes both interconnecting street layouts within a neighborhood or residential subdivision and street and walkway/bikeway connections to surrounding neighborhoods and nearby commercial areas.

Action 15.1.1. In new development where street connections are possible, encourage both street and walkway/bikeway connections and discourage use of cul-de-sacs.

Policy 15.2. Discourage the establishment of gated communities, while allowing for the security of resident parking together with required visitor access to visitor parking.

Action 15.2.1. Establish specific design guidelines for security gates in multi-family developments.

GOAL 16

Maintain and enhance Walnut Creek's identity and sense of place.

Policy 16.1. Foster the preservation, restoration, and compatible reuse of architecturally significant structures and sites.

Action 16.1.1. Develop an inventory and map of architecturally significant properties and landmarks.

North Main Street office building and restaurant

Fountain at Broadway Plaza

Policy 16.2. **Use public art to enliven and beautify the public realm.**

Action 16.2.1. Implement the Public Art Master Plan

GOAL 17

Enhance the entrances to the city.

Policy 17.1. **At all major entry points to the city develop welcoming gateways that emphasize the unique qualities of Walnut Creek.**

Action 17.1.1. At each gateway (See Figure 13), install similarly themed gateway designs.

Action 17.1.2. Prepare design guidelines for areas and properties adjacent to the gateways to the city.

Action 17.1.3. Consider mural projects on freeway overpasses and streetscape improvements such as landscaping and medians, and coordinate with Caltrans where necessary.

GOAL 18

Preserve and enhance the visual amenity provided by the open spaces, hills, and creeks.

Policy 18.1. **Preserve and enhance the urban connections to scenic views that are important to residents and visitors.**

Mt. Diablo from upper North Main Street

Action 18.1.1. Identify and map specific public vistas and views (See Figure 14 and Actions 4.1.1 and 4.1.3.).

Action 18.1.2. Develop guidelines to preserve and enhance notable public view corridors.

Action 18.1.3. Preserve and enhance the off-site visual appearance of open space lands, particularly the views from other vantage points in the city.

Action 18.1.4. Keep and, where possible, expand the public visual buffers between developed areas.

Policy 18.2. **Improve the appearance and prominence of designated scenic corridors.**

Eastward view along Mt. Diablo Boulevard

Action 18.2.1. Review and, if necessary, update the designations of the city's scenic corridors.

Action 18.2.2. Require a 35-foot landscaped setback along Ygnacio Valley Road between Walnut Avenue and Oak Grove Road.

Policy 18.3. Mitigate the visual impacts of walls and fences.

Action 18.3.1. Regulate the use, scale, and appearance of walls and fences.

Action 18.3.2. Allow soundwalls along streets other than arterials and freeways only where no other design solutions exist for reducing the impact of roadway noise on residential areas.

Action 18.3.3. Along publicly traveled ways, require that all new soundwalls, masonry walls, or fences, 50 feet in length or longer, be designed to be visually attractive.

Policy 18.4. Eliminate all billboards (as defined by State law) within the city.

Action 18.4.1. Do not allow any new billboards within the city.

Action 18.4.2. Require removal of existing billboards as sites develop or redevelop.

Policy 18.5. Place utility lines, electrical transformers, and similar utility structures underground along identified corridors, at designated gateways, and in other strategic areas.

Action 18.5.1. Maintain a priority list of areas where undergrounding of utility lines is desired.

Action 18.5.2. Incorporate undergrounding projects into the Capital Improvement Program (CIP) budget.

Action 18.5.3. Require new development to underground utilities where feasible, or to pay an in-lieu fee where the affected utility serves more than the new development, or to provide adequate screening or consider art and landscaping opportunities.

Action 18.5.4. Require electrical transformers and similar utility structures to be undergrounded or to provide adequate screening or consider art and landscaping opportunities.

Action 18.5.5. If pre-existing site conditions such as a high water table make undergrounding unfeasible, require the enclosure of the utility facility within the building or provide adequate screening from any public right-of-way or consider art and landscaping opportunities.

CORE AREA

The Core Area (see Figure 3 on page 4-10) is both the economic and cultural center of the city and the region. The area is more urban in character than the rest of the city, comprising a number of commercial, mixed-use, and residential areas. The area's unique character comes from the way the somewhat higher density residential areas mix with intensive regional- and local-serving commercial development.

At the center of the Core Area is an 18-block area designated as the Pedestrian Retail District (see Figure 4 on page 4-11). Residents refer to this area as "downtown."

GOAL 19

Enhance the urban design quality of the Core Area and its subareas.

Policy 19.1. **Use specific plans and precise plans for subareas within the Core Area.** (Figures 15 and 16 show specific plan and precise plan areas as of 2005.)

Action 19.1.1. Prepare and implement a design plan for a stronger visual and pedestrian connection between City Hall, Civic Park, and the library, including streetscape improvements, a safer crossing of Broadway, orientation of Civic Park to City Hall, and the integration of an expanded or new community center with a new library.

Policy 19.2. **Improve directional signage for pedestrians and vehicles in the Core Area.**

Action 19.2.1. Design and implement a comprehensive Core Area directional sign program that shows shuttle stops; parking garage locations, capacities, and availability; orients residents and visitors; and shows optimal routes for getting to key cultural, shopping and civic destinations in the city.

Policy 19.3. **Establish design guidelines for retaining and enhancing the identity of the Auto Sales and Service district.**

GOAL 20

Reinforce the urban design and character of the Pedestrian Retail District as a gathering place for local residents as well as a regional retail destination.

Policy 20.1. **Strengthen the identity of the Pedestrian Retail District as a pedestrian-oriented shopping destination for local residents and regional shoppers.** (See Figure 4, page 4-11.)

Action 20.1.1. Develop specific design guidelines aimed at maintaining and enhancing the area's urban, pedestrian-oriented character.

Action 20.1.2. Develop a comprehensive "park once and walk" program aimed at encouraging people to park their cars in public garages at the periphery of the downtown.

Sidewalk activity at Plaza Escuela

Action 20.1.3. Conduct studies to:

- **Evaluate the free downtown shuttle and ways to enhance its service**
- **Explore ways to enhance existing pedestrian connections and corridors with new signage, graphics, landscaping, and lighting**
- **Evaluate ways to enhance the appearance and use of alleys and mid-block pedestrian-ways**
- **Investigate narrowing streets and/or converting some streets to one-way to provide public spaces**
- **Identify and establish a permanent location for a farmers' market**

Action 20.1.4. Provide a high level of pedestrian amenities in the downtown, including landscaping, trash containers, and special lighting.

- **Policy 20.2. Maintain the special "small town" character, fine-grain development (narrow lots, slender buildings, many different uses in proximity), and pedestrian orientation of the Traditional Downtown.**

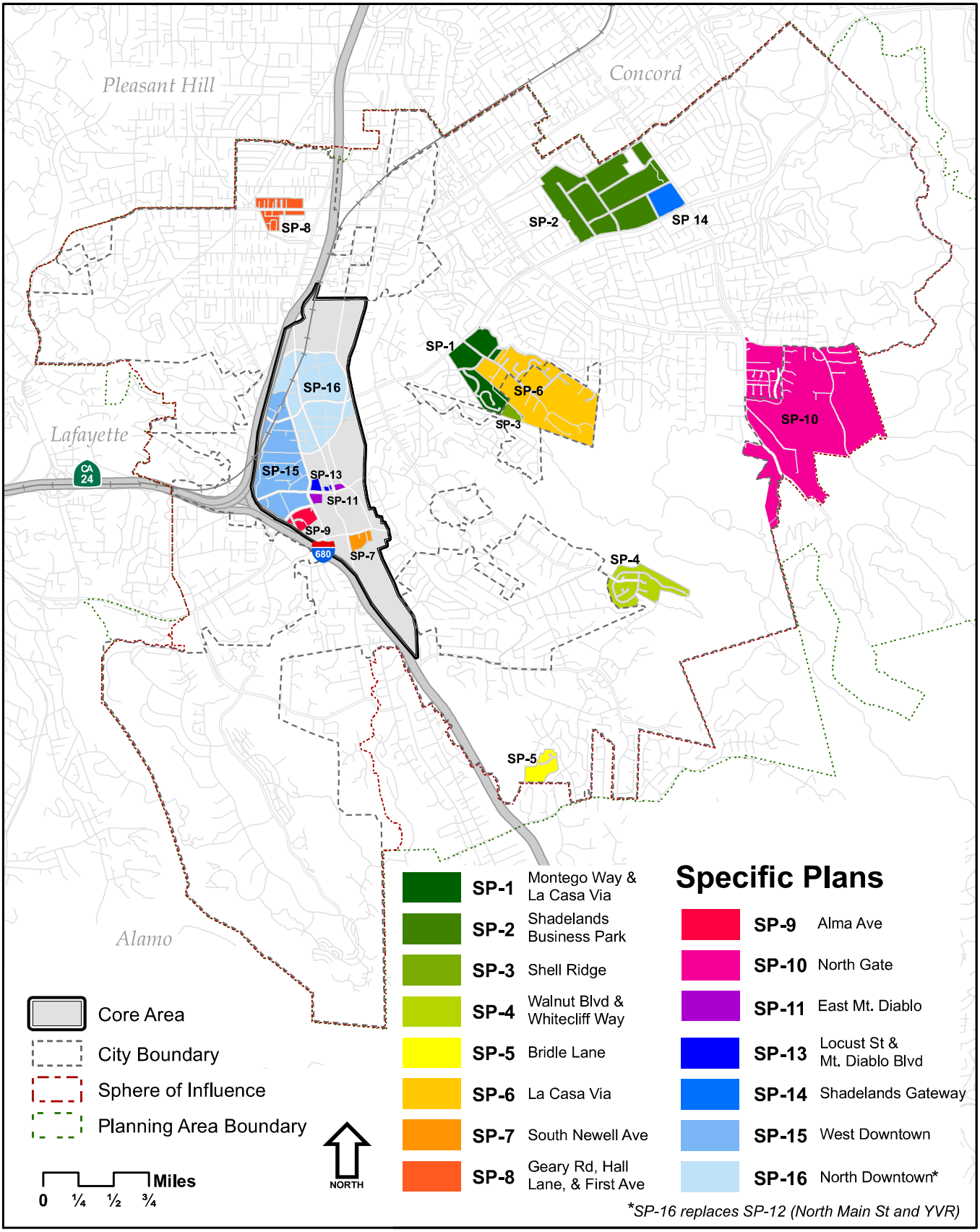


Figure 15. Specific Plan Boundaries

Revised: January 10, 2023
Base Map Data: 2020
Data Source: City of Walnut Creek

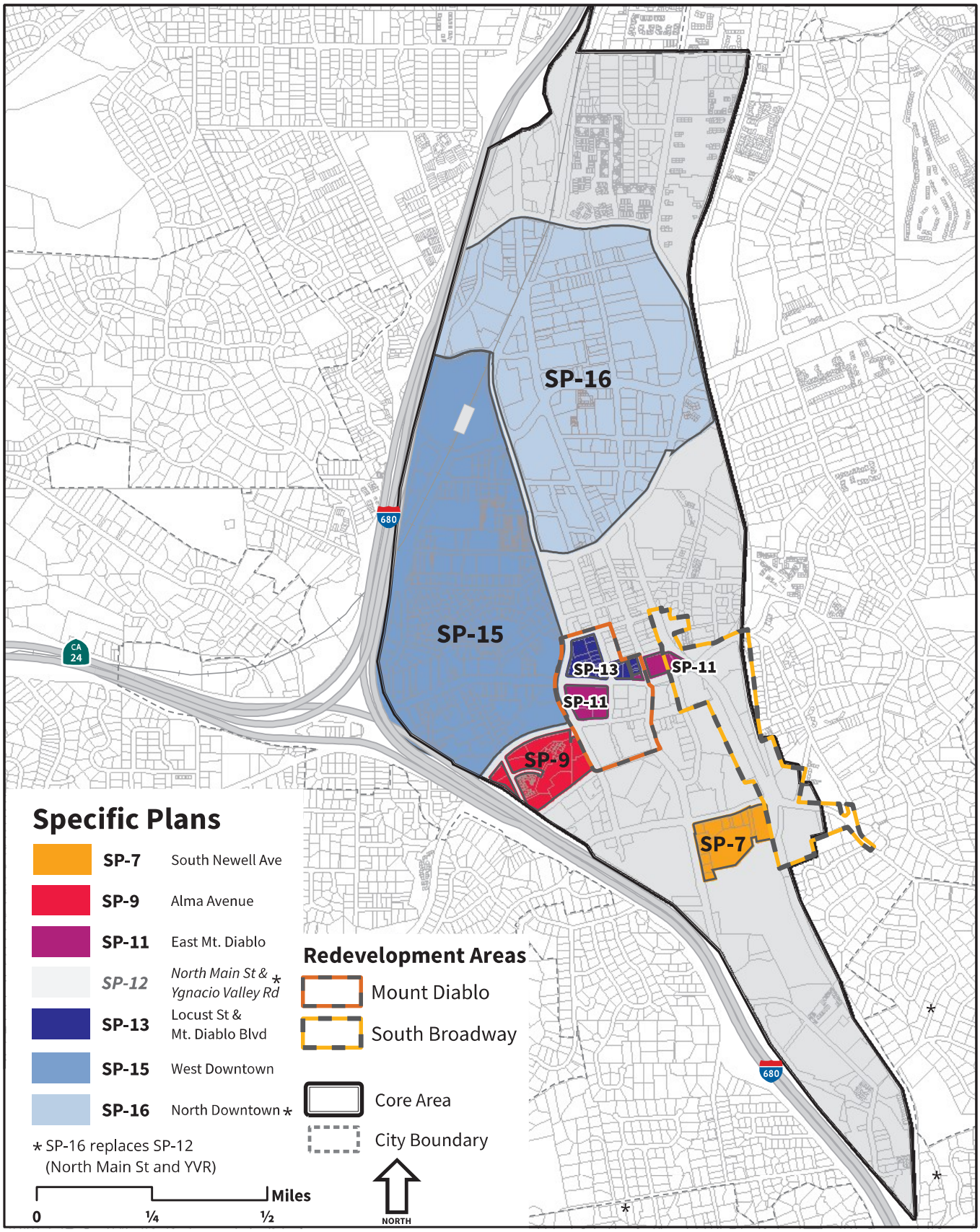


Figure 16. Core Area Specific Plan and Redevelopment Areas

Revised: September 14, 2020
Base Map Data: 2020
Data Source: City of Walnut Creek

Shops along Locust Street

COMMERCIAL AREAS OUTSIDE THE CORE

Outside the Core Area, the city's commercial activity takes place in neighborhood shopping centers, along commercial corridors, and in employment districts.

Neighborhood Shopping Centers
As in most communities, Walnut Creek's neighborhood shopping centers are located on arterial streets and serve adjacent and nearby residential neighborhoods. More often than not, these shopping centers have a "strip commercial" character, with buildings at the back of the property and large parking areas between the storefronts and the arterial street.

Commercial Corridors
Commercial corridors are commercial areas that border residential areas, creating edges or transitions that require care in both land use and design. Commercial corridors tend to be underutilized and, thus, offer opportunities for redevelopment or intensification that can create more successful and vibrant places.

Employment Districts
Areas such as the Shadelands Business Park, John Muir Medical Center and office area, and the Pleasant Hill BART station area are outlying employment districts that are connected to other commercial areas and to residential areas via arterials, collector streets, and pedestrian paths. Future development should provide for appropriate transitions in scale, architectural design, and land use between nonresidential and residential areas.

Medical offices in Shadelands Business Park

GOAL 21

Enhance the attractiveness and character of the city's neighborhood shopping centers and integrate them with surrounding development.

Policy 21.1. **Encourage new shopping center development and redevelopment to incorporate pedestrian-oriented mixed-use, and to make pedestrian and bicycle connections to surrounding residential areas.**

Palos Verde Shopping Center

Action 21.1.1. Revise City Design Review Guidelines to encourage developers to include the following features in the development of new and the redevelopment of existing shopping centers:

- **Pedestrian amenities such as landscaping, benches, and attractive lighting**
- **Pedestrian walkways and bikeway connections that create safe paths of travel through the shopping center and parking, and to transit and nearby sidewalks**
- **Outdoor and sidewalk seating**
- **Orientation of buildings to transit facilities, where applicable**
- **Orientation of the businesses to adjacent creeks, where applicable**
- **Shared parking**
- **Attractive and convenient bicycle parking**

GOAL 22

Enhance the urban design character of the city's commercial corridors.

Policy 22.1. **Protect and enhance the streetscape and service commercial uses along upper North Main Street (north of I-680).**

Action 22.1.1. Implement the Geary Road/North Main Street Area Plan.

Policy 22.2. **Encourage beautification and intensification of development along West Mt. Diablo Boulevard and Boulevard Way (see Action 4.1.3. regarding an overlay zone).**

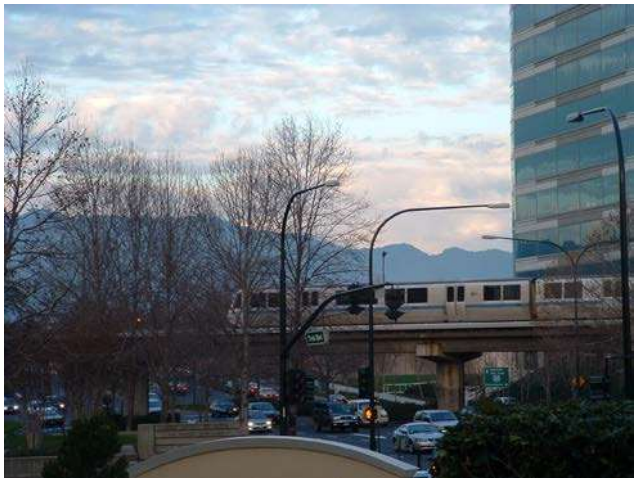
Action 22.2.1. Working with the County, study narrowing Boulevard Way to improve the pedestrian character and to provide land for intensification of development and pedestrian amenities.

Action 22.2.2. Develop design guidelines for the West Mt. Diablo Boulevard area.

GOAL 23

Encourage well-designed development and redevelopment of employment districts such as the Shadelands Business Park and at Pleasant Hill BART.

Policy 23.1. Encourage development of region-serving employment districts that promote transit, pedestrian and bicycle travel and reduces auto trips.



BART and commercial development near Treat Boulevard

Policy 23.2. Improve the image and functionality of the Shadelands Business Park.

Action 23.2.1. Develop a comprehensive walkways and bikeways plan for the Shadelands Business Park.

Action 23.2.2. Require streetlights and sidewalks in new development and redevelopment in the Shadelands Business Park.

Policy 23.3. Encourage development around the Pleasant Hill BART station that supports the County's specific plan goals for well-designed, transit-, pedestrian-, and bicycle-oriented development.

Action 23.3.1. Work with the County toward ensuring that development of the Pleasant Hill BART station area is compatible with and accessible to adjacent areas within the incorporated city.

ARCHAEOLOGICAL RESOURCES

The city's open space areas and creeks harbor evidence of territories occupied by the Planning Area's first known inhabitants—two small Native American (Bay Miwok) tribelets, the *Tatcan* and *Saclan.* Most of the Planning Area is considered highly sensitive with respect to Native American resources. Three levels of archaeological sensitivity are shown in Figure 17 on page 4-41.

The California Archaeological Inventory identified 11 specific cultural resource sites within the Planning Area. The sites contain either Native American artifacts or burial deposits. These locations were recorded but are kept confidential to prevent their disturbance. (California Government Code §6254.10, exempts archaeological site information from public inspection under the California Public Records Act.) A confidential map locating the 11 sites is maintained by the Community Development Department solely for City staff use in determining the degree of professional archaeological involvement required on projects proposed near the sites. Professional archaeological examination may require appropriate reburial of any Native American remains discovered during construction.

GOAL 24

Protect and conserve archaeological and paleontological resources.

Policy 24.1. Review the potential for the presence of archaeological and paleontological resources and remains in or near identified archaeological sites.

Action 24.1.1. Require (a) review by the California Archaeological Inventory, Northeast Information Center, Sonoma State University, of all major new projects and all projects of any size within 660 feet of a site identified on the City's map of sensitive archaeological sites and (b) add appropriate mitigations as conditions of project approval as may be recommended by the California Archaeological Inventory.

Action 24.1.2. Require developers to halt all work if cultural resources are encountered during a project, and to retain a qualified archaeologist to evaluate and make recommendations for conservation and mitigation.

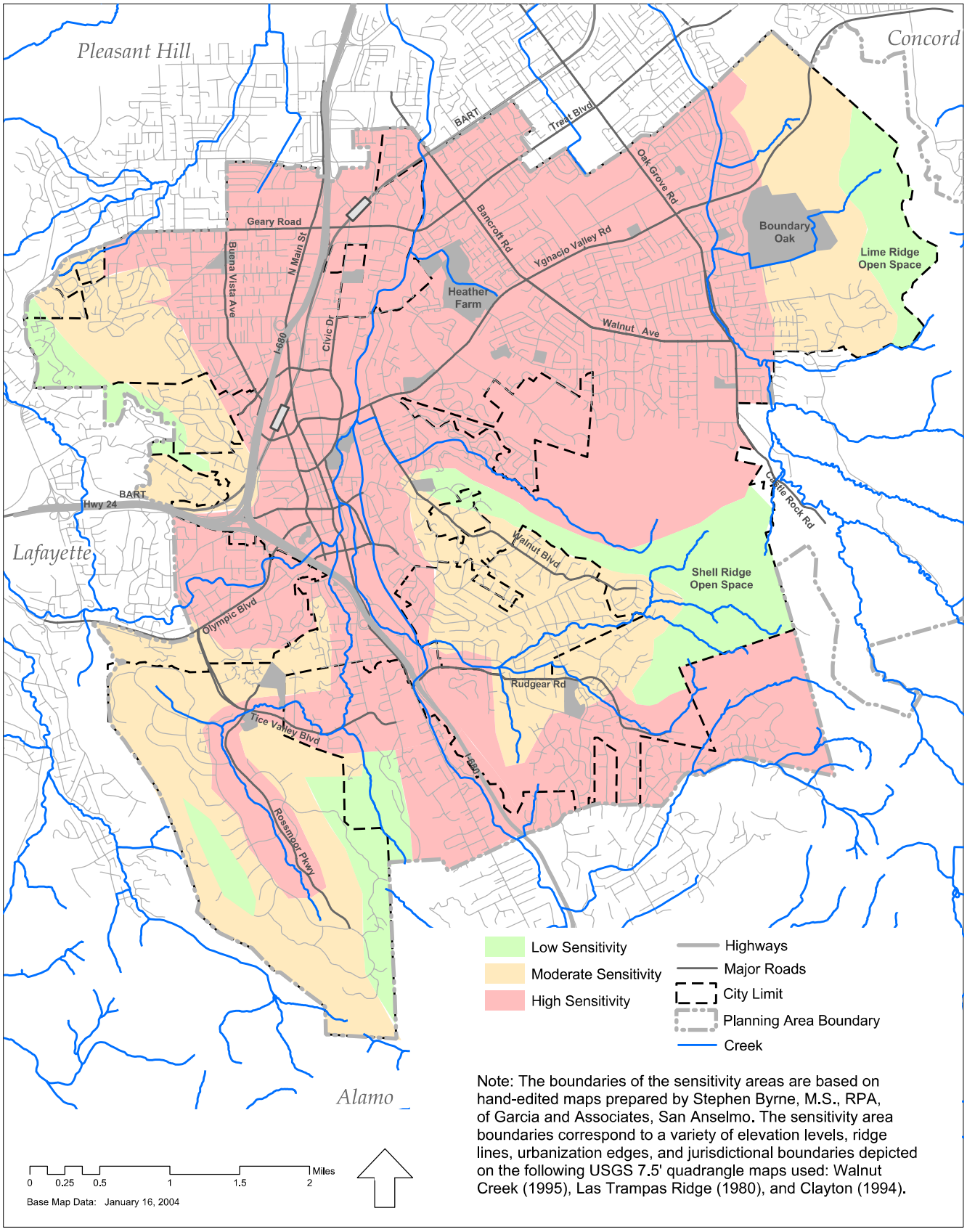


Figure 17. Archaeologically Sensitive Areas

HISTORICAL RESOURCES

In 1849, William Slusher built a roofed cabin on the banks of what was then called "Nuts Creek" near what today is downtown Walnut Creek. He and his family became the first American settlers in what became known simply as "The Corners" – so named because it was the crossing of the two dirt roads leading from Pacheco to the north and Oakland to the west. Milo Hough of Lafayette came to The Corners in 1855 and built a hotel and store called the Walnut Creek House, at the present day intersection of S. Main Street and Botelho Drive. It is believed that Walnut Creek got its name from The Walnut Creek House.[7]

Hiram Penniman, whose 1903 ranch house in Ygnacio Valley serves today as the Shadelands Ranch Historical Museum, laid out the town site of The Corners in 1856. He was also responsible for realigning the north-south road away from the creek, creating Main Street in the process. In 1862, a U.S. Post Office was established in the village, which was then named Walnut Creek. Homer Stow Shuey arrived in 1869, buying 57 acres in an area near the junction of N. Main St. and Mt. Diablo Blvd. He was the first to file a subdivision map in 1871 and began selling off lots.

By 1871, a two –room school had been established in Walnut Creek. In 1880, the U.S. census established that Walnut Creek had a population of 300, and the *Walnut Creek Independent* newspaper was first published in the growing village in 1882. Ten years later, the town had grown to a population of 400, and the Southern Pacific began train service to Walnut Creek. The train depot was constructed in 1891 on donated land, and it still exists as a restaurant, although relocated from its original location.

By 1914, the population of Walnut Creek had grown to 500, and it was incorporated as a City, primarily as a way to raise the funds needed to finally pave Main Street.

Since the 1920s, Walnut Creek has grown and changed. Most of the structures that were built within the original city limits have been demolished and replaced, some several times over. In spite of this, Walnut Creek retains a number of historic and potentially historic buildings, both commercial and residential.

Policies and actions in *General Plan 2025* are directed at protecting Walnut Creek's historic resources. The general plan envisions that the Traditional Downtown would retain its smaller scale buildings and character, and that infill development would be done in a manner that is sensitive to and compatible with the existing area.

As of 2005, the city's historic built environment had been only partially inventoried. These buildings and sites are listed in Figure 20, Potentially Historic Resources. The location of many of these buildings and sites is shown in Figures 18 and 19. Actions 25.1.1. and 25.1.2. require the City to develop an inventory of historically significant properties and develop a Historic Preservation Plan and supporting ordinance.

Until the historical inventory is completed, proposed development projects which would involve buildings constructed prior to 1946 will require evaluation for environmental significance by a qualified architectural historian. In this way, the City has a means to identify historic properties and to intervene if such a property or landmark becomes seriously deteriorated or threatened with demolition.

[7] From *150 years in Pictures: An Illustrated History of Walnut Creek*, by Brad Rovanpera, published by Heritage Media, 1999

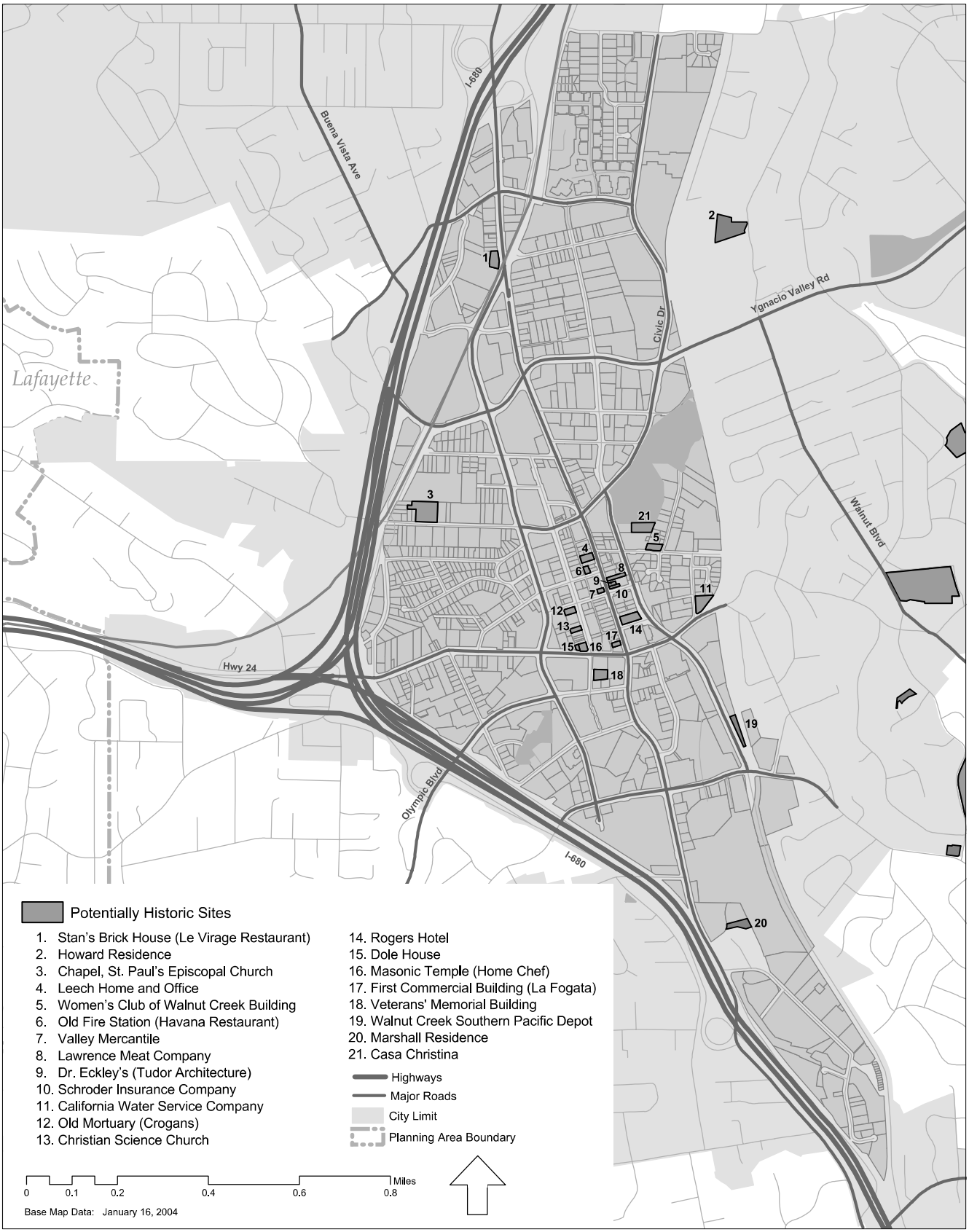


Figure 18. Potentially Historic Resources

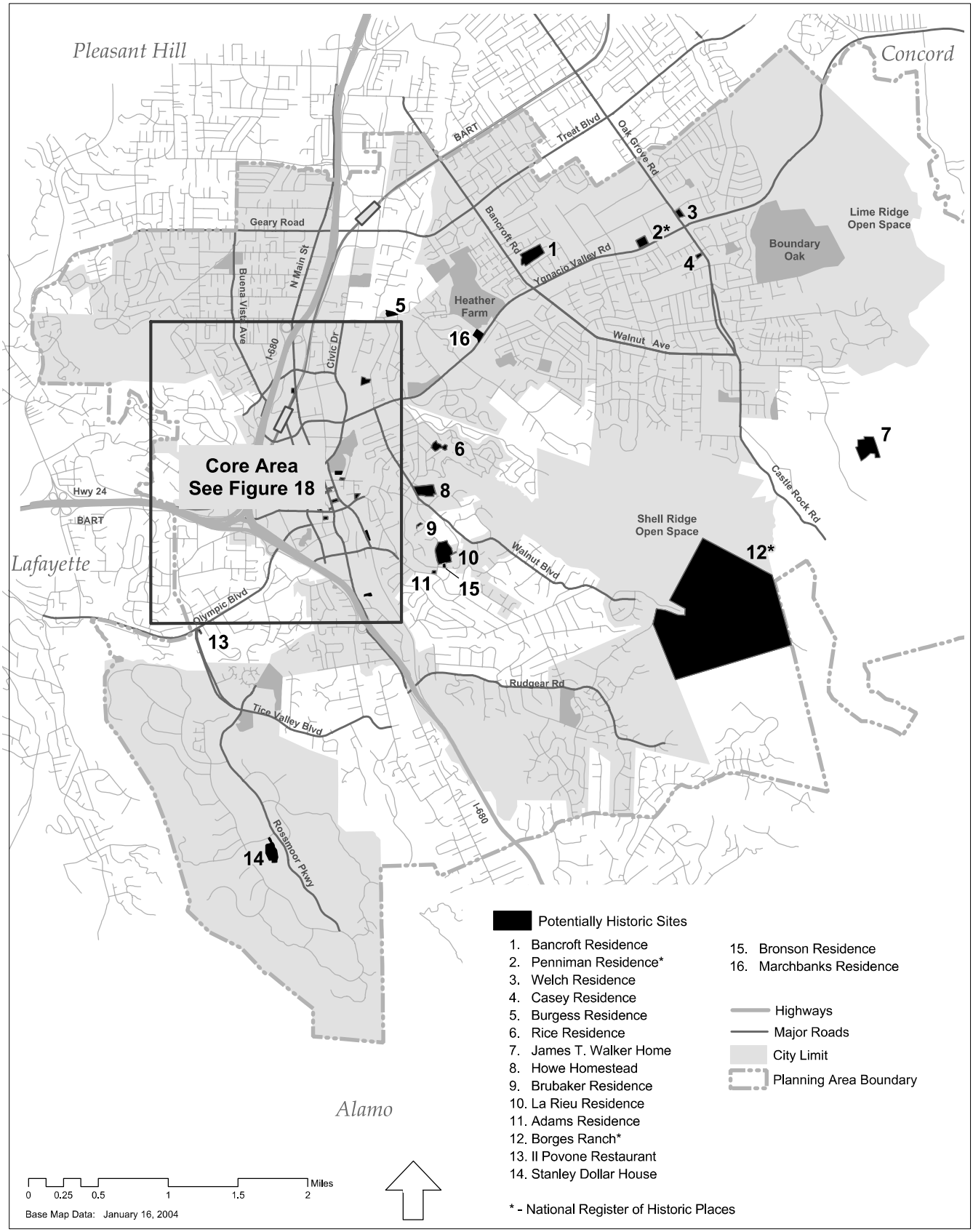


Figure 19. Potentially Historic Resources, City-Wide

GOAL 25

Maintain and enhance Walnut Creek's historic resources.

Policy 25.1. Foster the preservation, restoration, and compatible reuse of historically significant structures and sites.

Action 25.1.1. Develop an inventory and map of historically significant properties.

Action 25.1.2. Develop an historic preservation plan and supporting ordinances.

Figure 20. Potentially Historic Resources

Parcel Number	Address	Name Historic Use - Current Occupant	Year Built
178300022	1632 Live Oak Way	Casa Christina -Elizabeth Heidt and family	1932
134460015	2278 Oak Grove Rd.	Site of Welch Residence	ca 1880
139180003	1035 Castle Rock Rd.*	Borges Ranch -Shell Ridge Open Space	1937
142222032	2651 Oak Grove Rd.	Casey Residence -Dental Office & Lab	1923
143030029 143030030	1500 Bancroft Rd.	Bancroft Gardens – Home	1937
143040069	2680 Ygnacio Valley Rd.*	Penniman Residence -Shadelands Ranch Historical Museum	1903
144230001	1650 Ygnacio Valley Rd.	Marchbanks Residence – St. John Vianney Rectory	1921
172150009	962 Seven Hills Ranch Rd.	Rabbit Cannery – Home	1923
173161002	2373 Walnut Blvd.	Howard Residence	1930
174150044	2211 N. Main St.	Stan's Brickhouse - Le Virage Restaurant	1934
178071001	1924 Trinity Ave.	St. Paul's Episcopal Church	1889
178160001	1387 Locust St.	Burpee Residence - Crogan's	ca 1880
178160005	1347 Locust St.	Christian Science Society - Paint Pallette	ca 1920
178160008	1604 Mt. Diablo Blvd.	Masonic Lodge - Home Chef	1917
178160030	1614 Mt. Diablo Blvd.	Dole House -Real Estate Agency	ca 1883
178172003	1403 N. Main St.	Valley Mercantile, Dress Barn	1916
178220007	1533 N. Main St.	Leech House -Restaurant/ Offices	1860
178220011	1514 Bonanza St.	Old Fire House – Havana Restaurant	1927
178230012	1315 N. Main St.	Sherburne Store -La Fogata Restaurant	1880
178240019	1350 N. Main St.	Site of Rodgers Hotel - Mechanics Bank	1880
178250029	1432 N. Main St.	Walnut Creek Meat -Crepes A Go-Go Restaurant	1910
178250039	1410 N. Main St.	Post Office -Schroder Insurance	1928
178250044	1412 N. Main St.	Retail Building - Mai Thai + other retail	ca 1890
178262020	1200 Mt. Pisgah Rd.	California Water Service Pumping Plant -Office Building	1937
178290001	1224 Lincoln Ave.	Women's Club - Business Offices	1938
179091009	2950 Walnut Blvd.	Howe Homestead Park	1920
179131020	1056 Hacienda Dr.	William Rice Residence	1861
180030019	2030 San Miguel Dr.	Adams Residence	1937
180060034	30 Brubaker Dr.	Brubaker Residence – Heritage Tree	1937
180080001	196 El Camino Corto	Lar Rieu Estate	1936
180090015	876 Bronson Ln.	Bronson Residence	1933
183050021	45 Quail Ct.	Site of Marshall Residence - Office	N/a
183270052	850 S. Broadway	Southern Pacific Railroad Depot	1891
184060013	1250 Locust St.	American Legion Veterans Hall	1925
138210011	1200 North Gate Rd.	James T. Walker Residence	1869
184311018	2291 Olympic Blvd.	Il Pavone Restaurant	Unknown
189170011	1015 Stanley Dollar Dr.	Stanley Dollar House	1930

* = Listed with the National Register of Historic Places

ENVIRONMENTAL INTEGRITY

The impacts of human development on the natural environment are complex and constantly changing. A number of specific policies in Chapter 3, Natural Environment and Public Spaces, focus on preserving and expanding Walnut Creek's open space lands. This chapter promotes the integrity of the environment with policies to reduce or mitigate the negative impacts of development in order to make today's health, economic, and aesthetic benefits available to future generations.

PROTECTING NATURE IN DEVELOPMENT

The Walnut Creek community has long recognized the value of protecting hillsides, ridgelines, and native trees. The City's Hillside/Ridgeline Ordinance (See Appendix B, *Measure P Ordinance 1781*, 11/5/91) grew out of citizen concern over the potential loss of hillside open space to development.

To implement Measure P, a voter initiative adopted in 1991, the City enacted a Hillside Zoning Ordinance and modified the Tree Preservation Ordinance. Policy 26.1. contains general plan text required by Measure P.

The policies that follow are intended to encourage development that retains important natural elements and harmonizes with, rather than dominates, the environment. For example, retaining a high percentage of vegetation will generate oxygen, cool the air, offer needed shade, and provide food and habitat for wildlife.

GOAL 26

Develop a comprehensive, integrated plan to preserve the natural environment in the built environment.

Policy 26.1. "Preserve Open Space/ Agricultural Lands, as defined in this Ordinance"[8] by:

(1) "prohibiting Development on existing slopes with grades of twenty percent (20%) or greater, or within 75 vertical feet of any Ridgeline, or within the area surrounding any Native Tree for a distance of one and one-half times the distance from the trunk to the drip-line, which slopes and areas shall be preserved in their natural state;
(2) limiting Development to detached, single-family residential housing and normal appurtenances, with a maximum density of one (1) dwelling unit per ten (10) acres;
(3) requiring that any permitted Development be located and constructed in such a manner as to prevent visual impacts on scenic vistas and existing neighborhoods; and
(4) prohibiting the cutting of and damage to any Native Tree."

Policy 26.2. Incorporate natural features such as trees, hillsides, and rock outcroppings into new development.

Policy 26.3. Preserve and add to the city's tree canopy.

Policy 26.4. Protect tree resources on public and private property.

[8] Measure P, Ord. 1781, 11/5/91, Section 3.f. See Appendix B for the complete "Walnut Creek Hillside/Open Space Protection Ordinance," Measure P.)

Policy 26.5. Protect tree groves (especially oaks) and their understories.

Action 26.5.1. Assess the effectiveness and efficiency of and, if necessary, modify the City's Tree Preservation Ordinance. (Walnut Creek Municipal Code, Title 3, Chapter 8.)

Action 26.5.2. Plan for the replacement of trees that have been removed.

Action 26.5.3. Set standards for—and require new developments to have—adequate tree canopy.

Policy 26.6. Recognize the benefit of urban wildlife and their habitat.

Action 26.6.1. Work with the Lindsay Wildlife Museum to promote humane interaction between people and urban wildlife.

Action 26.6.2. Create an urban wildlife advisory committee to explore an urban wildlife preservation ordinance.

Action 26.6.3. Identify wildlife corridors and encourage their preservation.

Policy 26.7. Study the impacts of light pollution and develop actions to reduce its effects.

Action 26.7.1. Consider adopting a "dark sky ordinance" aimed at reducing light spillage both upward and onto adjoining properties.

SUSTAINABILITY

The California Building Codes, Title 24, have for decades set the standards and regulations for energy conservation in California. In 2004, the U.S. Green Building Council initiated a more comprehensive and voluntary set of national standards for "green building" through its Leadership in Energy and Environmental Design (LEED) program. ("Green" is a term that describes environmental practices and buildings that are highly energy efficient and have a minimal impact on the environment.[9]) The LEED Green Building Rating System ranks developments and awards points in such additional areas as water-use reduction and ventilation-system effectiveness. Projects are certified at one of four levels (standard, silver, gold, platinum) based on the total number of points.

GOAL 27

Promote "green" development and redevelopment.

Policy 27.1. Encourage resource-efficient building techniques, materials, and technologies in new construction and renovation.

Action 27.1.1. Explore incentives to use green building techniques.

Action 27.1.2. Consider adding an energy-audit requirement to the City's review processes.

CONSERVATION

Conservation is the management of natural resources to prevent waste, destruction, or neglect. Limiting the use of a resource, such as energy or water, can promote conservation. For example, water is conserved with drought tolerant landscaping.

Reuse is another way to conserve resources (e.g., donating a computer to a nonprofit agency or reusing old bricks to build a new home). Products also can be recycled by providing a

[9] GreenBiz.com, November 9, 2004.

new and different use for an existing waste product, such as converting auto tires into pavement.

The City proposes to set an example of environmental stewardship by employing conservation policies on City property and in City buildings. Researching and employing environmentally sustainable methods of doing business can provide valuable information on what works. The information learned can then be communicated to the wider community.

GOAL 28

Promote energy conservation.

Policy 28.1. Implement energy conservation measures in City facilities and operations.

Action 28.1.1. Conduct an energy audit of all City activities and functions.

Action 28.1.2. Provide City departments with incentives to conserve energy.

Policy 28.2. Promote energy conservation throughout the city.

Action 28.2.1. Adopt residential and commercial energy-conservation ordinances.

Action 28.2.2. Adopt a solar-access ordinance.

Action 28.2.3. Develop incentives to help small businesses become more energy efficient.

Action 28.2.4. Develop incentives for new development or substantial redevelopment to incorporate energy conservation.

Action 28.2.5. Where appropriate, include energy-conservation projects in the City's Capital Improvement Plan.

GOAL 29

Promote water conservation.

Policy 29.1. Implement water conservation measures in City facilities and operations.

Action 29.1.1. Study the feasibility of applying water conservation techniques, including the use of drought-tolerant plants, in city parks.

Policy 29.2. Promote water conservation throughout the community.

Action 29.2.1. Explore possibilities for safe and effective use of reclaimed or recycled water consistent with State law (e.g., for landscape irrigation and toilet flushing in commercial buildings).

Action 29.2.2. Work with local water agencies on water conservation efforts, education, and promotion.

Action 29.2.3. Encourage water use consistent with the City's adopted water-conservation guidelines.

Action 29.2.4. Follow existing standards and guidelines for water-conserving landscaping, and encourage the planting of native and drought-tolerant plants.

WASTE REDUCTION

Reducing waste provides direct and indirect environmental benefits including cleaner air and water, reduced resource and energy use, and a reduction in greenhouse gas emissions. California's Integrated Waste Management Act of 1989 set an ambitious goal for cities to divert 50 percent of all solid waste from landfills by 2000 through source reduction, recycling, and composting. In 2003, the Central Contra Costa Solid Waste Authority (CCCSWA) calculated the diversion rate for Walnut Creek at 55 percent.

GOAL 30

Meet or exceed State goals for source reduction and waste diversion.

Policy 30.1. Implement source reduction and recycling in City facilities and operations.

Action 30.1.1. Implement source-reduction and waste-diversion programs within City government.

Action 30.1.2. Give preference to recycled content and environmentally friendly products in City procurement.

Policy 30.2. Promote source reduction and recycling throughout the community.

Action 30.2.1. Locally implement the State's 1993 Source Reduction and Recycling Element.

Action 30.2.2. Consider adopting a comprehensive source-reduction and recycling plan specific to Walnut Creek.

Action 30.2.3. Promote and participate in residential and commercial waste-prevention and diversion programs.

Action 30.2.4. Make recycling convenient for small businesses.

Action 30.2.5. Develop size, location, and design standards for commercial and multifamily trash and recycling facilities and enclosures.

Action 30.2.6. Consider an ordinance requiring businesses and multifamily dwellings to participate in recycling and waste-reduction programs.

Action 30.2.7. Require the recycling of construction waste for all City and private projects.

Action 30.2.8. Encourage shared recycling facilities among businesses, especially those with limited space, for example, within the Core Area.

Action 30.2.9. Provide accessible disposal containers, including recycling containers, at appropriate locations downtown and at City public facilities and parks.

Policy 30.3. Provide opportunities for residents and businesses to divert organic waste from landfill disposal.

Action 30.3.1. Work with the waste management companies to institute curbside residential organic waste-collection programs.

Action 30.3.2. Encourage restaurants to recycle organic waste.

AIR AND WATER QUALITY

Water and air are easily damaged by unregulated development. Although these issues are best handled on a regional or national basis, the City can take actions to improve air and water quality and reduce negative impacts from development.

Air Quality

The San Francisco Bay Area is among major U.S. metropolitan areas with the cleanest air, yet the area doesn't meet air-quality standards for particulate matter or ground-level ozone. Light winds—combined with strong temperature inversions—trap pollutants, leading to locally high pollutant concentrations.

The air pollution potential in Walnut Creek is relatively high because of hot summer weather conditions and the city's location in a large urban area. The city is particularly prone to high ozone levels in the summer, when ozone and its precursors drift into Walnut Creek from the more densely urbanized parts of the Bay Area.

In winter, light winds combine with strong temperature inversions to trap wood smoke and carbon monoxide, both of which can appear in locally high concentrations.

Although federal and State laws establish regulations for major sources of pollution, air quality is regulated at a regional level –- with primary focus on reducing emissions.

The Bay Area Air Quality Management District (BAAQMD) regulates air quality in the nine-county Bay Area. It prepares regional air-quality plans every three years. These plans include implementation strategies, some of which rely on local governments for implementation.

A key element in regional air-quality planning is the accurate projection of future human activity, including population and vehicle-use

data.[10] Local general plans are important sources of this data.

As a cooperating regional entity, Walnut Creek can promote better air quality by recognizing the bottom-up nature of pollution—that the cumulative results of transportation and land use policies can assist or negate regional air quality planning and accomplishments.

GOAL 31

Strive to meet State and federal air-quality standards for the region.

Policy 31.1. Work with the Bay Area Air Quality Management District (BAAQMD) and the County in promoting better air quality.

Action 31.1.1. Support local transportation control measures (TCMs) and other ideas in the latest Bay Area Clean Air Plan.

Action 31.1.2. Develop a local, voluntary Clean Air Plan.

Action 31.1.3. Participate in the BAAQMD Spare the Air program.

Policy 31.2. Consider additional land use and development criteria, standards, and decisions that have positive impacts on air quality and quality of life in general.

Action 31.2.1. Review parking lot landscaping requirements to ensure adequate width and depth to allow for appropriate tree canopy.

Action 31.2.2. Investigate policies that promote cleaner air, such as commercial reflective roofing ordinances.

Action 31.2.3. Promote residential development and redevelopment opportunities near transit and commercial centers, and encourage walking, bicycling, and transit use.

Policy 31.3. Proactively manage local air-quality issues.

Action 31.3.1. Control emission of dust from construction sites.

Action 31.3.2. Adopt a wood smoke ordinance.

Action 31.3.3. Provide buffers between identified stationary sources of odors and sensitive land uses.

Action 31.3.4. Projects that locate new sensitive receptors (facilities or land uses such as hospitals, day care centers, schools and residences that are occupied for substantial amounts of time by members of the population particularly sensitive to the effects of air pollutants, such as children, the elderly and people with illnesses) proposed within 500 feet from the edge of the closest travel lane of Interstate 680 or Highway 24 should include an analysis of mobile source toxic air contaminant health risks, based on appropriate air dispersion modeling. Project review should include an evaluation of the adequacy of the setback

[10] BAAQMD uses population data provided by the Association of Bay Area Governments (ABAG) and vehicle-use trends from the Metropolitan Transportation Commission (MTC).

from the highway, and, if necessary, identify design mitigation measures to reduce health risks to acceptable levels.

Water Quality

Federal and State laws govern water quality and regulate the major sources of water pollution. The laws are implemented regionally through the San Francisco Bay Regional Water Quality Control Board (RWQCB).

Four major watersheds drain the Walnut Creek Planning Area. The quality of surface and groundwater is affected by land uses and activities within the watersheds, as well as the underlying geology.

Walnut Creek gets its water from two water districts: The Contra Costa Water District (CCWD) serves primarily the northern and eastern third of the city. The East Bay Municipal Utility District (EBMUD) serves the remaining two-thirds of the city.

EBMUD and CCWD own all water distribution and treatment facilities in Walnut Creek. The largest distribution, treatment, pumping, and storage facilities are outside the city limits.

EBMUD customers in Walnut Creek used more than 9 million gallons per day (mgd) in 2003. CCWD's Walnut Creek customers used 2.4 mgd. Residential users consumed 75 percent of the combined 2003 total of 11.4 mgd. Commercial customers used 18 percent, and 7 percent was consumed by others.

EBMUD's *2000 Demand Study* estimated customer demand would rise 20 percent by 2020. Both EBMUD and CCWD are looking for new and increased water supply and sources. As of 2005, both had large system improvement projects underway to seismically retrofit and increase reservoir capacity. Both have extensive conservation and recycling programs.

Cities are required to implement Stormwater Management Plans (SWMP) with performance standards and controls to reduce pollutants in stormwater discharge. "Best management practices" refer to any procedure or device designated to minimize the quantity of pollutants that enter the storm drain system. Recent changes strengthen the regulations for projects that replace or create new impervious surface.

The policies that follow meet the State's requirements that general plans must include water-quality and watershed protection principles. The Creeks and Trails subsection of Chapter 3, Natural Environment and Public Spaces also addresses some of the State requirements.

GOAL 32

Meet or exceed State and federal water-quality standards.

Policy 32.1. Support regional, State, and federal clean water efforts.

Action 32.1.1. Implement the Stormwater Management Plan.

Action 32.1.2. Enforce the National Pollution Discharge Elimination System (NPDES) permit regulations.

Action 32.1.3. Seek Regional Water Quality Control Board NPDES exemptions for low- and moderate-income housing and transit village projects.

Action 32.1.4. Prohibit development in areas particularly susceptible to erosion and sediment loss.

Action 32.1.5. Prepare information-and-action handouts on water-quality best-management practices and provide this information with project application packets.

Policy 32.2. In redevelopment projects in the Core Area, evaluate the desirability of specific, off-site, source-control measures.

Policy 32.3. Maximize infiltration of rainwater into the soil, where appropriate.

Action 32.3.1. Reduce the amount of impervious surfaces in new development and redevelopment. (See Safety and Noise Action 2.1.1.)

Action 32.3.2. Require that impervious surfaces not drain directly into storm drains. (See Safety and Noise Action 2.1.1.)

Policy 32.4. Reduce the transport of urban runoff and surface pollutants offsite.

Action 32.4.1. Verify the effectiveness of stormwater treatment facilities.

Action 32.4.2. Verify, through the commercial, industrial, and illicit discharge inspection programs, that interior floor drains are connected to the sanitary sewer system.

Policy 32.5. Encourage preservation of natural water bodies and drainage systems.

Action 32.5.1. Retain natural water bodies and leave drainage systems undisturbed while allowing construction of adjacent creek walks.

Action 32.5.2. Prioritize onsite impacts and their mitigations.

Action 32.5.3. Require participation in offsite or regional programs—including stream restoration—that provide water-quality benefits within the same watershed, wherever development and/or redevelopment projects disturb natural water bodies or drainage systems.

Policy 32.6. Reduce pollutant loading in the wastewater system.

Action 32.6.1. Apply best-management practices to discharges to the sanitary sewer system.

Action 32.6.2. Establish a pesticide-reducing protocol for city parks.

CHAPTER 6

Safety and Noise

This chapter has two sections: Safety and Noise.

SAFETY

Every general plan in California must have a "safety element" that addresses natural and manmade hazards and dangers. This section of *General Plan 2025* examines and aims to reduce the potential risk of death, injuries, property damage, and economic and social dislocation resulting from fires, floods, earthquakes, landslides, and other hazards.

This section is presented in seven parts:

- Seismic and Other Geologic Hazards
- Flooding
- Hazardous Materials
- Fire Hazards
- Public Safety
- Disaster Response
- Water Supply

SEISMIC AND OTHER GEOLOGIC HAZARDS

The United States Geological Survey (USGS) has established probability estimates for significant earthquakes (magnitude 6.7 or greater) between 2003 and 2032. The following probabilities are estimated for faults in and around Walnut Creek:

- Hayward/Rodgers Creek Fault: 27 percent
- Calaveras Fault, northern segment: 11 percent
- Concord Fault: 4 percent
- Mt. Diablo Thrust Fault: 3 percent
- Greenville Fault: 3 percent

See Figure 1, Regional Faults and Probabilities, page 6-2, and Figure 2, Area Faults, page 6-3.

The City's objectives are to prevent geologic hazards in new projects and reduce the risk of these hazards in existing developed areas.

GOAL 1

Protect life and property from geologic hazards.

Policy 1.1. **Reduce the potential effects of seismic and other geologic hazards, including slope instability.**

Action 1.1.1. Identify areas prone to seismic and other geologic hazards, including slope instability.

Action 1.1.2. Establish minimum road widths and clearances around structures at risk from known geologic hazards.

Action 1.1.3. Review and update the existing maps of geologic hazards.

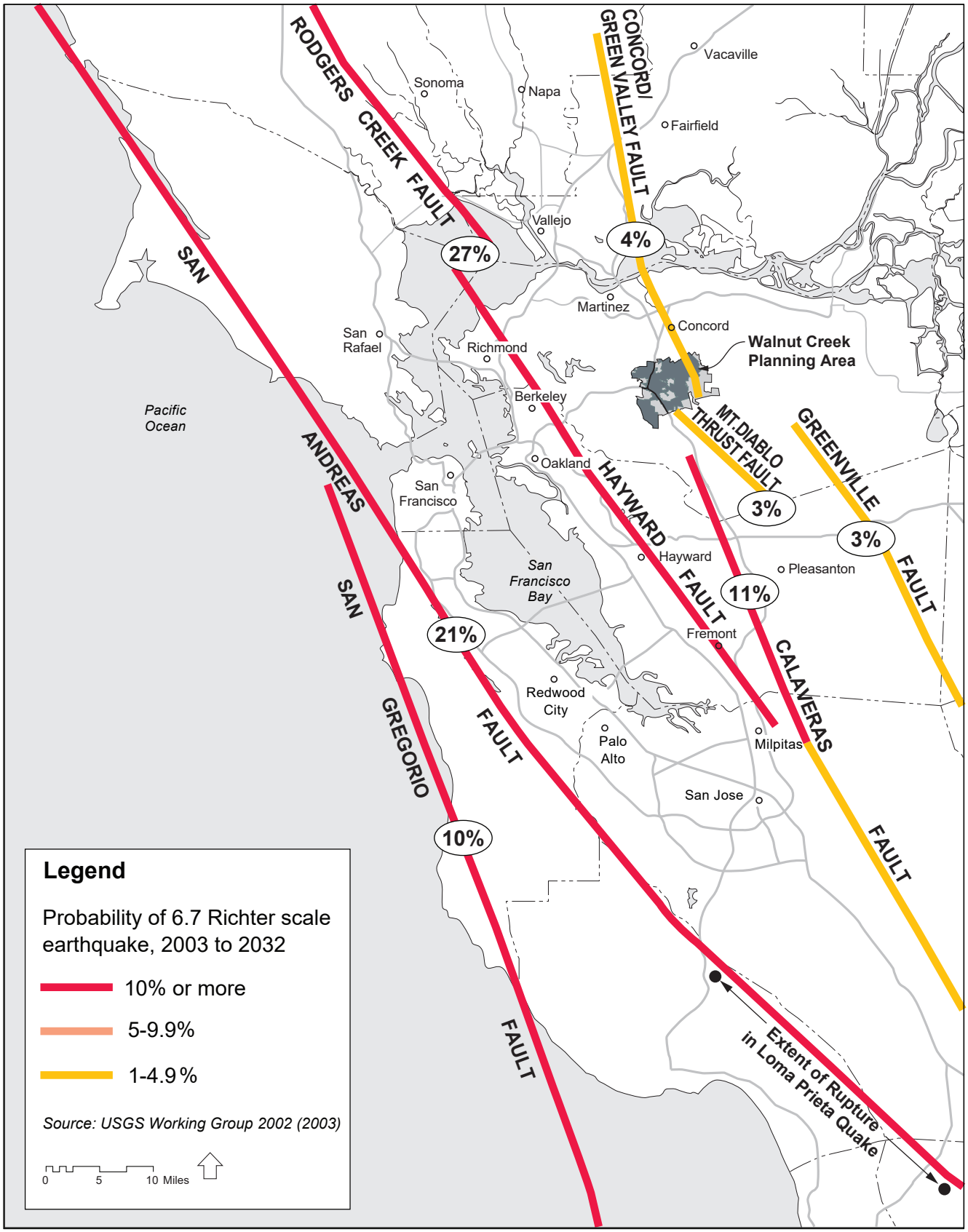


Figure 1. Regional Faults and Probabilities

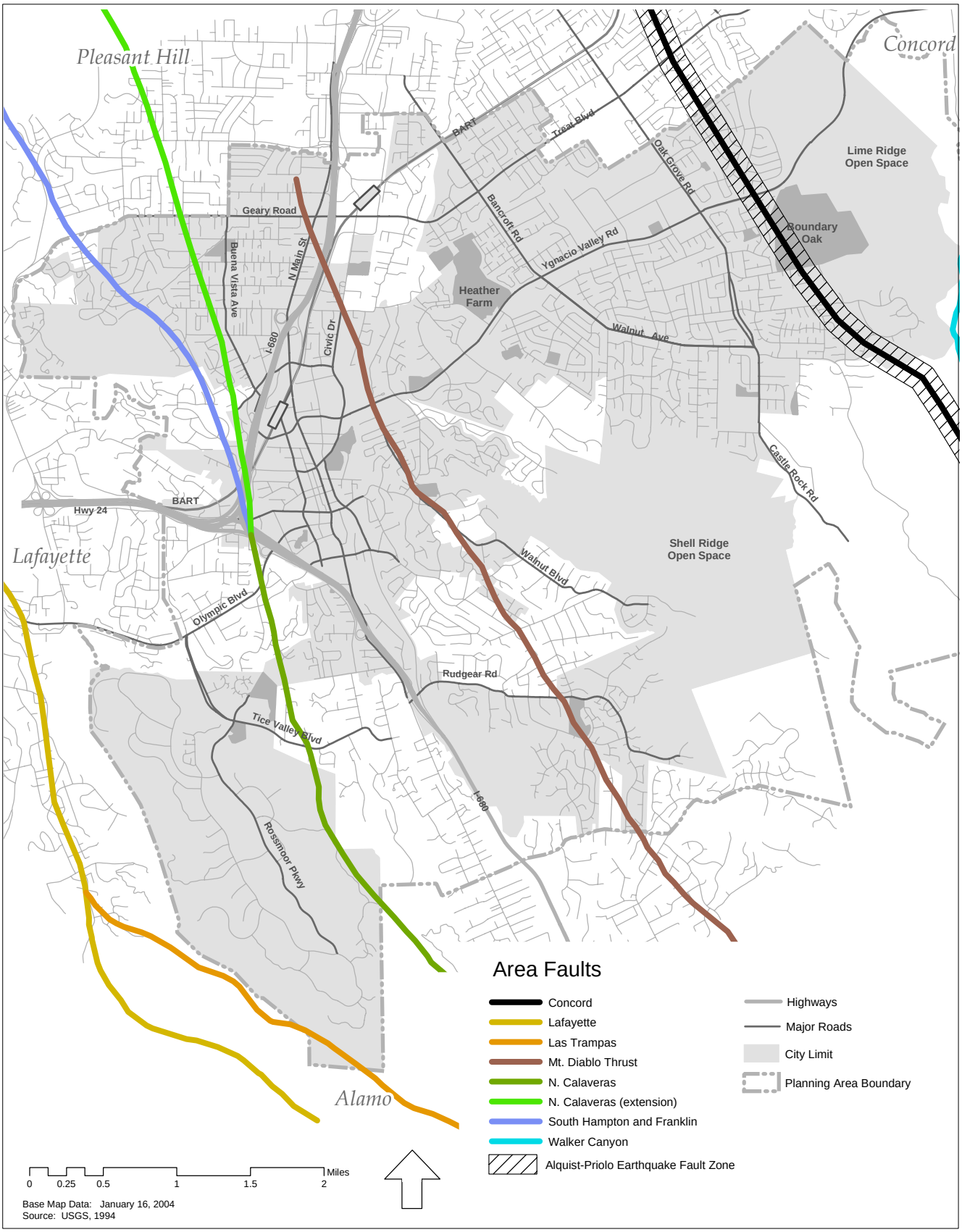


Figure 2. Area Faults

Action 1.1.4. Require appropriate mitigations for new development or redevelopment in areas prone to seismic and other geologic hazards.

Policy 1.2. "Limit development within high-risk geologic areas to a maximum density of one dwelling unit per 20 acres."[1]

Action 1.2.1. "Identify high risk areas after taking into account soil stability, history of soil slippage, proximity to earthquake faults, slope grade, accessibility, and drainage conditions, and continue to assign low intensity uses, not exceeding a density of one dwelling unit per 20 acres, to such areas. Responsibility: City Council." See Figure 3, Liquefaction Susceptibility, page 6-5, and Figure 4, Mapped Landslides and Slopes Greater than 15 Percent, page 6-6.

Action 1.2.2. As updated seismic-hazard zone maps become available, incorporate them in the general plan.

Action 1.2.3. Identify areas where surface ruptures are most likely to occur and cause damage to human-made structures, such as dams.

Action 1.2.4. For development proposals submitted in areas near earthquake fault zones listed under the Alquist-Priolo Act, require a geotechnical evaluation to identify hazard mitigation measures needed to reduce the risk to life and property from earthquake-induced hazards.

Action 1.2.5. For development proposals submitted in areas near high or very high liquefaction-susceptibility areas, require a geotechnical evaluation to identify hazard mitigation measures needed to reduce the risk to life and property from liquefaction-induced hazards.

F L O O D I N G

Historically, several streams in the Planning Area have flooded, including Walnut Creek, Las Trampas Creek, Grayson-Murderers Creeks (particularly in the Eccleston Avenue area), and San Ramon Creek (primarily at the confluence of the waterways downtown). Smaller streams subject to flooding include Tice Creek (particularly in the Castle Hill area)—and the Walnut Boulevard channel (also known as Homestead Creek) between Homestead Boulevard and Sierra Drive. (See Figure 5, Flood Zones, page 6-8.)

G O A L 2

Reduce the potential for flooding in flood-prone areas.

Policy 2.1. Reduce the risk of property damage and personal injury due to flooding.

Action 2.1.1. Limit the amount of impervious surface in flood-prone areas.

Action 2.1.2. Limit runoff in flood-prone areas.

[1] Policy 1.2 and Action 1.2.1 address the requirements of Measure P, Ord. 1781, 11/5/91, Sections 3g and 3h. See Appendix B for the complete "Walnut Creek Hillside/Open Space Protection Ordinance," Measure P.

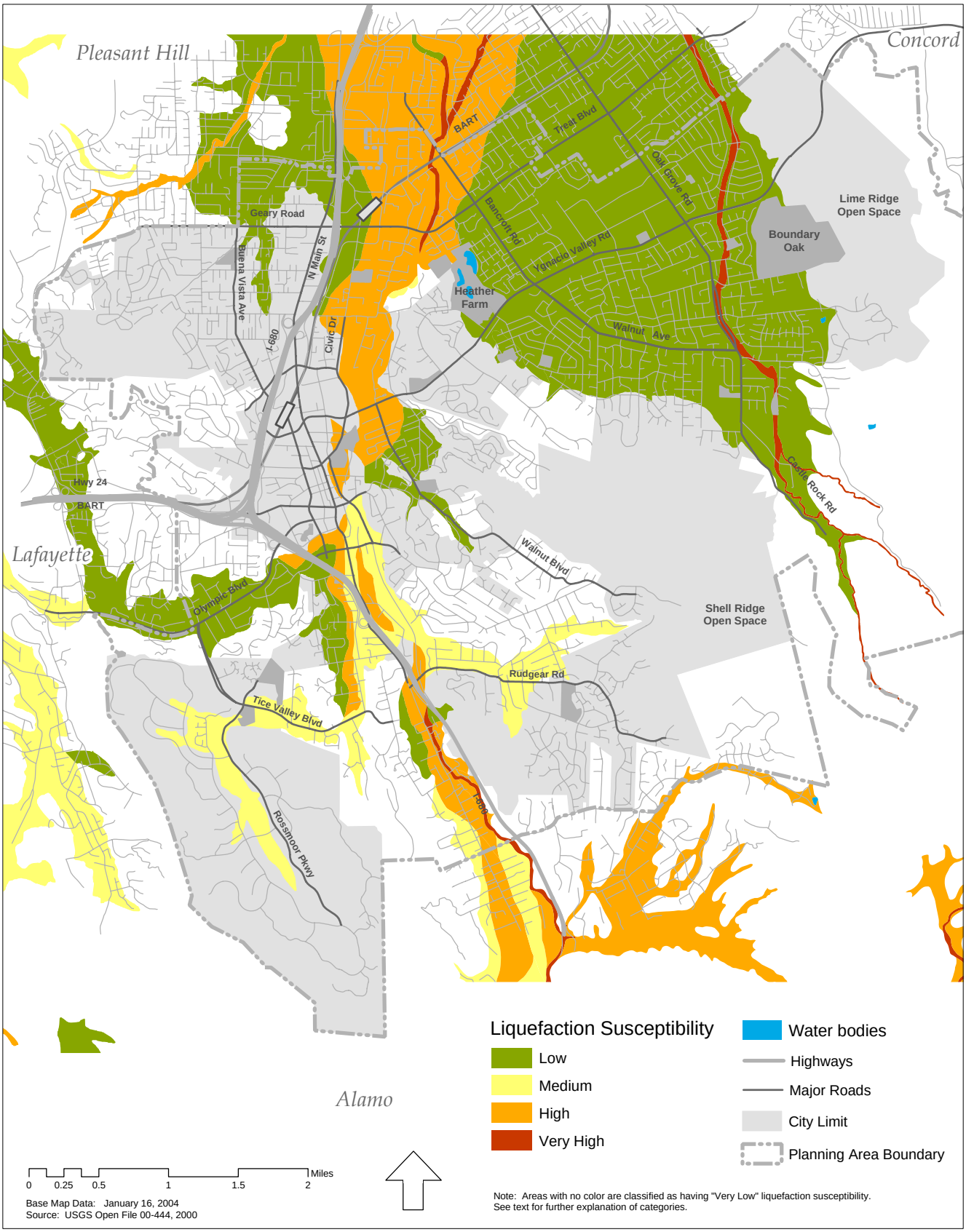


Figure 3. Liquefaction Susceptibility

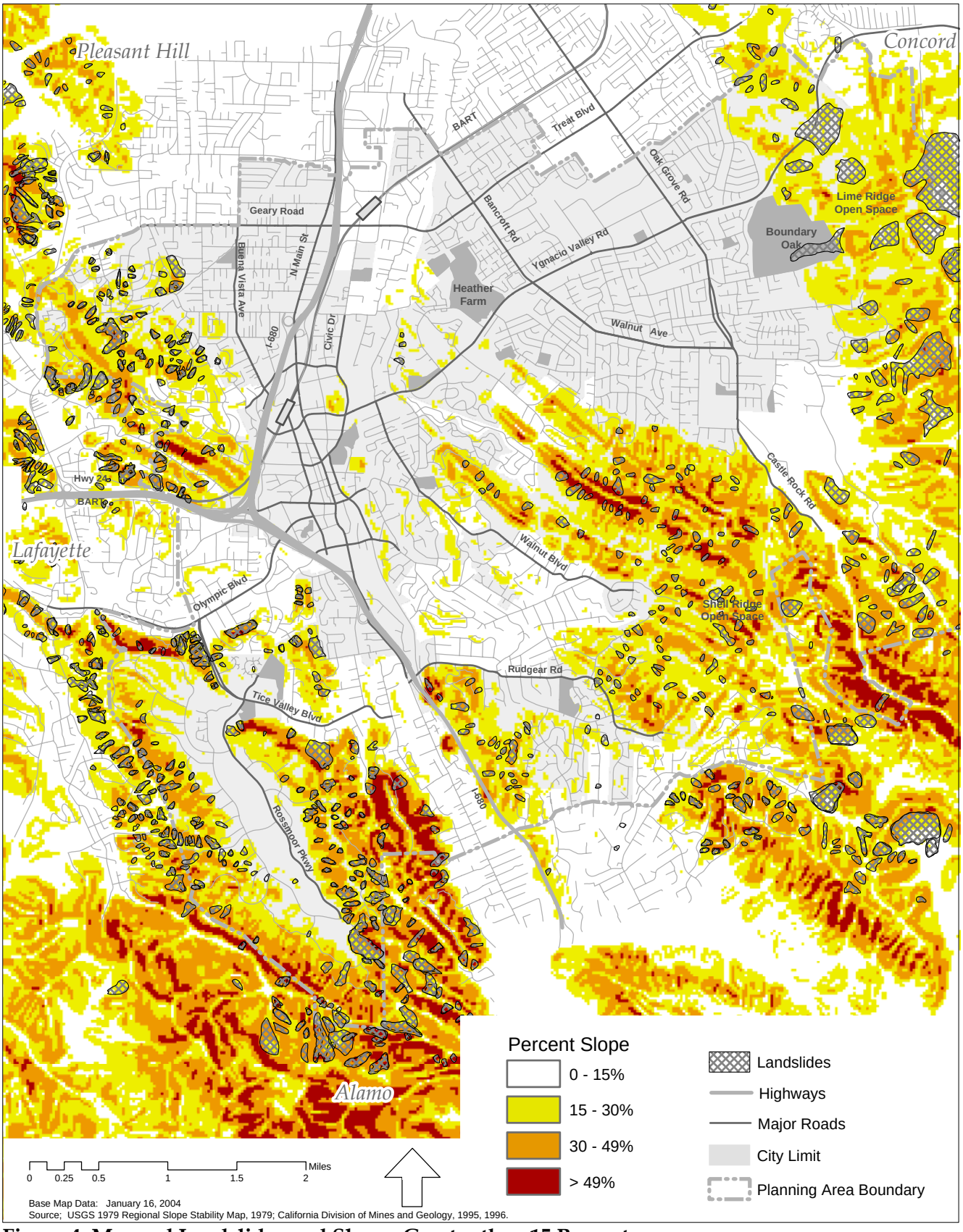


Figure 4. Mapped Landslides and Slopes Greater than 15 Percent

Action 2.1.3. Work with the County to adopt similar standards for unincorporated parts of the Planning Area.

Action 2.1.4. Collect drainage fees for projects in designated drainage-improvement areas.

Action 2.1.5. Work with creekside property owners to reduce and mitigate flood hazards.

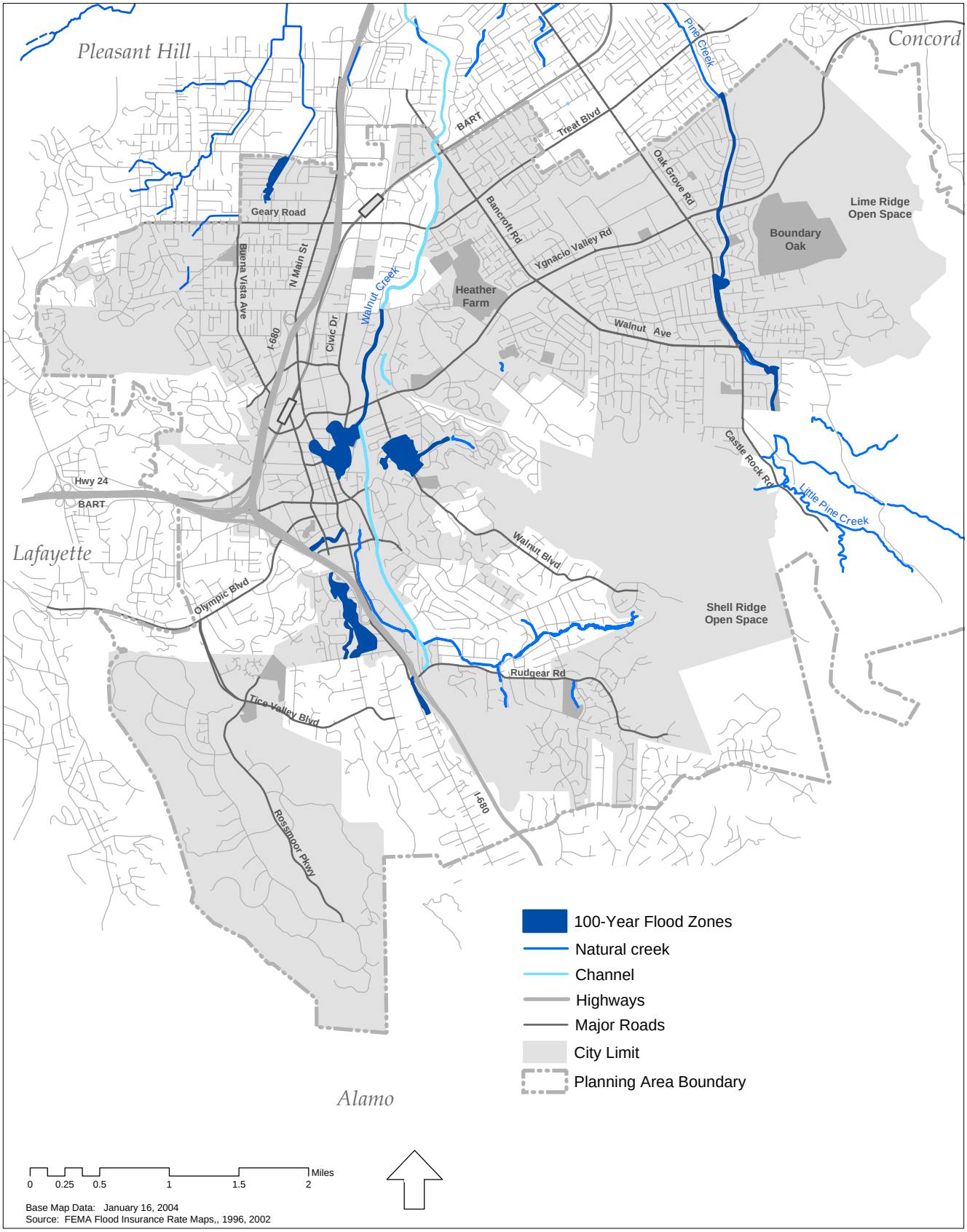


Figure 5. Flood Zones

HAZARDOUS MATERIALS

Federal, State, and local laws regulate the production, storage, handling, and disposal of hazardous materials and waste. Hazardous materials are those that, because of quantity, concentration, or physical or chemical characteristics, pose a significant present or potential hazard to human health and safety or to the environment. They include industrial wastes, pesticides, radioactive wastes, asbestos, and combustible fuels. Household hazardous wastes include pesticides, waste oil, paint supplies, car batteries, and pool chemicals.

Hazardous materials are transported through Walnut Creek on the area's primary transportation routes—Interstate 680, Highway 24, and Ygnacio Valley Road – and via underground pipelines.

Both the State and the federal government require businesses that store or handle hazardous materials to have inventory and reporting programs. Businesses that store more than 55 gallons of liquid hazardous materials or 500 pounds of solid or 200 cubic feet of compressed gases must also file an annual business plan. The plans must establish incident prevention measures, hazardous-materials-handling protocols, and emergency-response-and-evacuation procedures. The Contra Costa County Fire Protection District enforces the business plans.

Walnut Creek households may dispose of hazardous waste at three County-provided collection centers. None are within the Planning Area.

GOAL 3

Reduce dangers from hazardous materials.

Policy 3.1. Facilitate the proper disposal of hazardous materials.

Action 3.1.1. Work with Central Contra Costa Solid Waste Authority (CCCSWA) to ensure that options are available for:

- Full-service hazardous-material disposal
- Household and small business hazardous-waste disposal
- Convenient, economical drop-off and/or pickup of used motor oil and antifreeze
- Convenient, economical drop-off and/or pickup of universal waste (e.g., computer monitors, televisions, consumer electronic devices, batteries)

Policy 3.2. Prioritize safety needs of non-industrial land uses.

Action 3.2.1. Carefully examine proposed mixed-use areas and plans with respect to the presence or prospective presence of hazardous materials.

Policy 3.3. Incorporate hazardous-material-abatement provisions in zoning and subdivision decisions and entitlement permits.

Policy 3.4. Work with federal and state authorities to ensure that any transport of hazardous materials through Walnut Creek is at the highest standard of safety.

Action 3.4.1. Designate hazardous-material carrier routes that direct hazardous materials away from populated and other sensitive areas.

Action 3.4.2. Prohibit hazardous-materials transport vehicles from parking on city streets.

Action 3.4.3. Require, as much as possible, that new pipelines and other channels carrying hazardous materials be placed to avoid residential areas and, in particular, areas where the population is less mobile (e.g., convalescent homes).

Policy 3.5. Require that soils, groundwater, and buildings affected by hazardous-material releases from prior land uses, and lead and asbestos potentially present in building materials, will not have the potential to adversely affect the environment or the health and safety of residents.

Action 3.5.1. Require an environmental investigation for hazardous materials when reviewing applications for new development in former commercial or industrial areas.

Policy 3.6. Require that new development and redevelopment protect public health and safety from hazardous materials.

Action 3.6.1. Require environmental investigations stipulated by State and County regulations for potential hazardous material releases from prior uses, as well as for lead and asbestos present in building materials.

FIRE HAZARDS

The Contra Costa County Fire Protection District (CCCFPD) provides fire-protection and first-responder emergency-medical services to Walnut Creek and the Planning Area. The district has 30 fire stations. Three of the stations are located within Walnut Creek city limits; a fourth is located within the Walnut Creek Planning Area and another station is located adjacent to the city limits on Geary Road. (See Figure 6, Fire Stations and Fire Service Areas in Walnut Creek, page 6-12.)

Urban Fires

The risk of structural fires within Walnut Creek is minimal. Fire-fighting resources are adequate, development continues to comply with applicable building codes, structures are relatively new and in good condition, and the CCCFPD implements a vigorous building-inspection program. Emergency access is good in all areas.

Wildland Fires

Walnut Creek is surrounded by more than 2,700 acres of undeveloped hillsides designated as open space. These areas pose a potential fire hazard to adjacent development.

The level of risk of wildland fire is determined by a number of factors, including the following:

- Frequency of critical fire weather
- Percentage of slope
- Existing fuel (vegetation, ground cover, building materials)
- Adequacy of access to fire suppression services
- Water supply and water pressure

The California Department of Forestry and Fire Protection (CDF) has mapped the relative wildfire risk to areas of significant population by intersecting residential housing density with proximate fire threat. (See Figure 7, Wildland-Urban Interface Fire Threat, page 6-13.) The map shows four risk levels: Moderate, High, Very High, and Extreme. The CDF map shows that no part of the Planning Area faces an "extreme" threat. The map shows that CDF gives much of the city a "very high" classification, principally because CDF maps the wildland fire zones to include a 1.5 mile buffer. As a result, the higher fire-threat levels of the

open space areas extend into much of the urbanized Walnut Creek on the map.

Shell, Lime, and Las Trampas Ridges all have high fire-hazard potential, and all lie above the 450-foot water service level of the East Bay Municipal Utility District (EBMUD) and above the 215-foot service elevation of the Contra Costa County Water District. Fire hazard in these areas is amplified by a lack of adequate water pressure and supply. Thus, fire hazard is of particular concern at the municipal golf course and in the southeastern areas of Ygnacio Valley near the ends of Snyder Lane and Hutchinson Road near Northgate Road.

The fire district tries to minimize fire risk through its weed-abatement program, which covers all wildland areas within the County's jurisdiction. The district also works with Mt. Diablo State Park, which has a State and locally approved fire management plan that coordinates among a number of State, regional, and county agencies.

GOAL 4

Strive to prevent and reduce damage related to fire hazards.

Policy 4.1. **Regulate projects in high-risk areas.** (See Figure 7, page 6-13.)

Policy 4.2. **Work with the Contra Costa County Fire Protection District to ensure adequate fire response times and address other fire-related issues in the Planning Area.**

Action 4.2.1. Require that all new development or redevelopment plans be submitted to the Fire District for review.

Action 4.2.2. Require greenbelt zones and fire-resistant landscaping and building materials in developments in and on the edges of higher risk areas. (See Figure 7, page 6-13.)

Action 4.2.3. Establish minimum road widths and clearances around structures in high, very high, and extreme fire risk areas. (See Figure 7, page 6-13.)

Action 4.2.4. Working with the Contra Costa County Fire Protection District, use nuisance ordinances to reduce the risks of dry grasses.

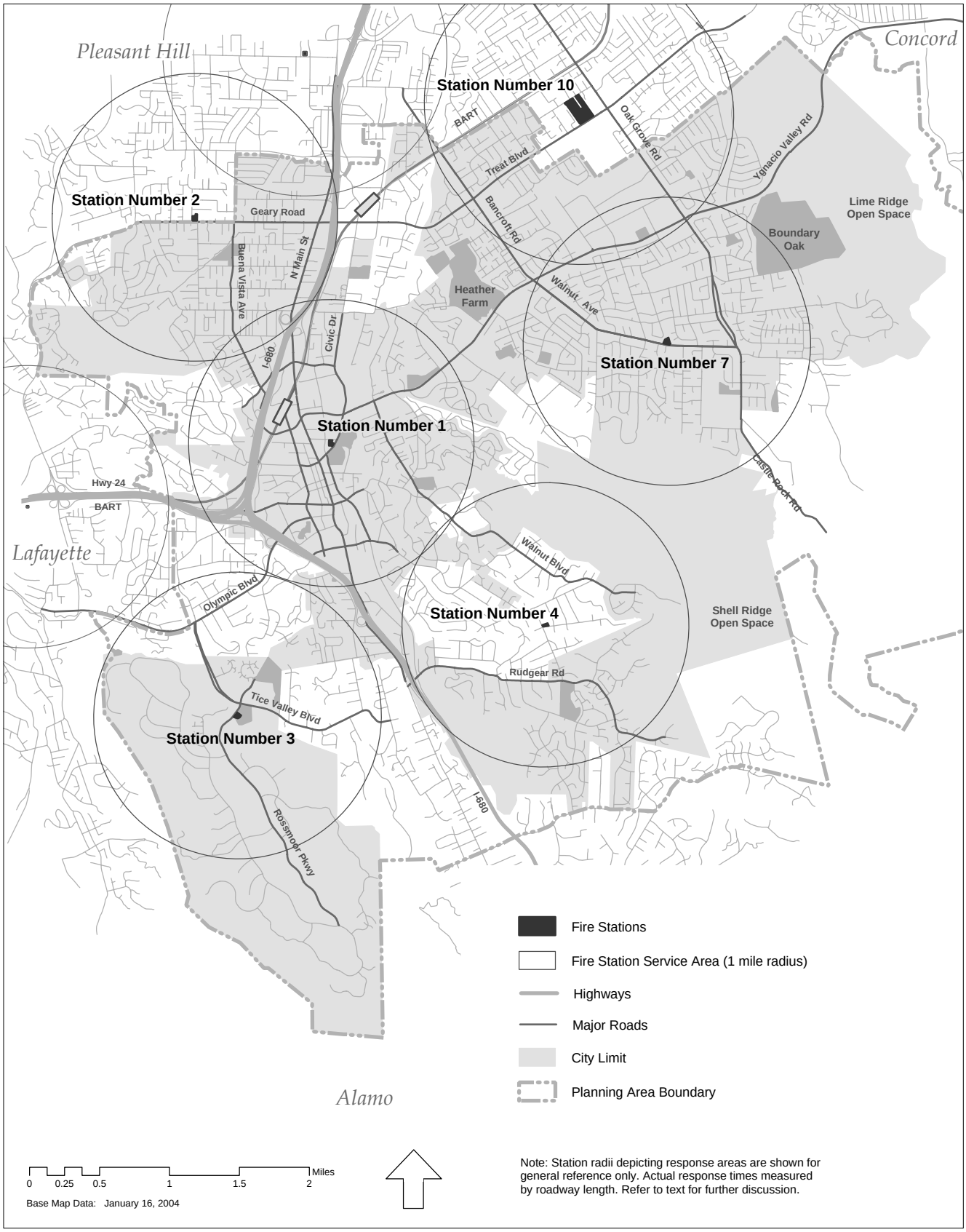


Figure 6. Fire Stations and Fire Service Areas in Walnut Creek

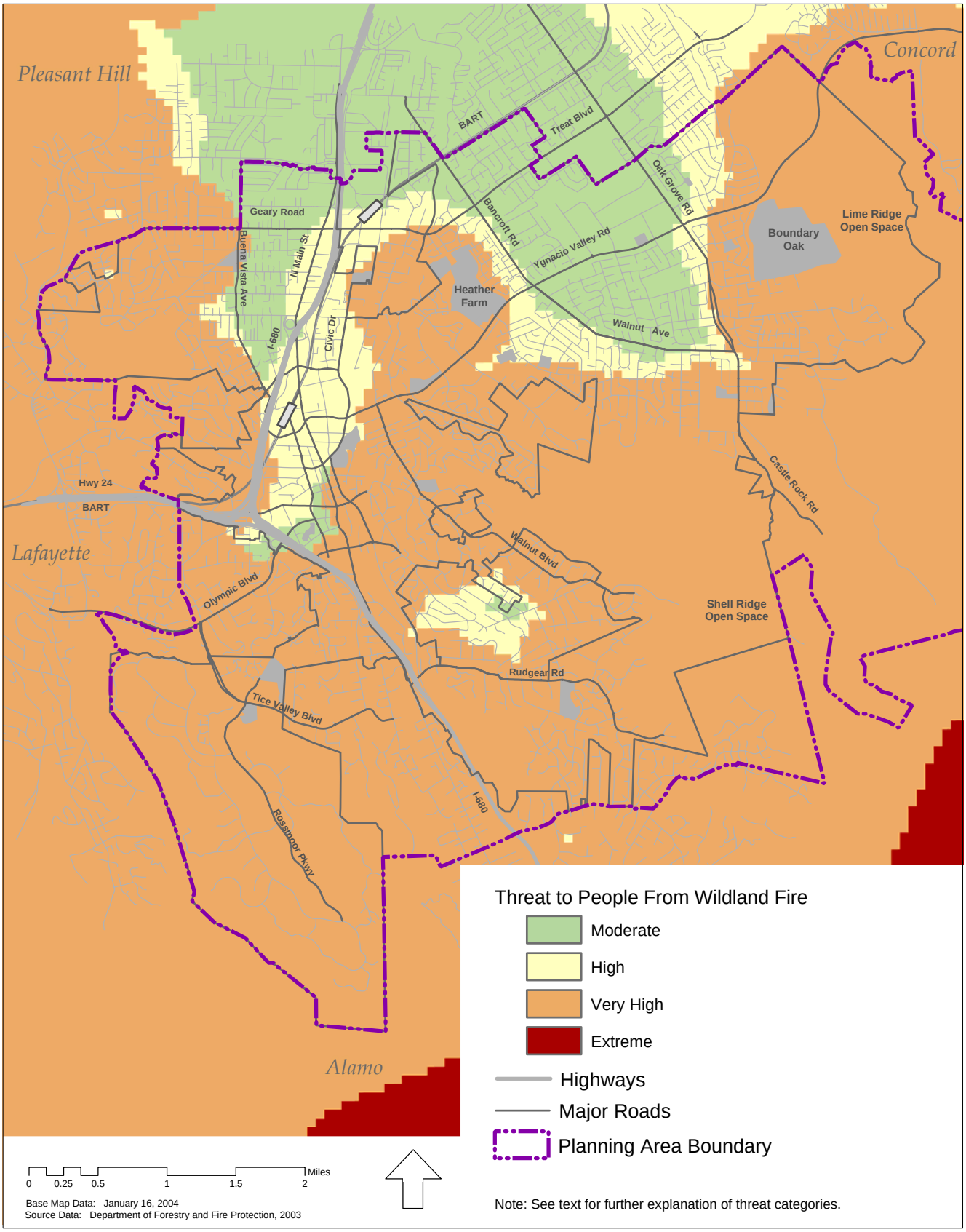


Figure 7. Wildland-Urban Interface Fire Threat

PUBLIC SAFETY

A five-year strategic plan sets forth the Police Department's approach to providing for public safety. The plan, first prepared in 1973, has evolved over the years to critically examine police operations in relation to community needs.

The nature of policing in the community must be responsive to the dynamics of the community, such as changes in population demographics (e.g., a higher concentration of seniors in the community), increases in traffic, commercial growth, new types of social and recreational activities, and a greater number of late-night downtown dining and entertainment venues and events. The challenge is to remain alert to changes that influence police/community communications and crime-prevention efforts.

Traffic patrol leaves from police garage

The City's Community Policing Team (COP) provides services for quality-of-life issues, including crime prevention, alarm monitoring and response, and school liaison and classes. In 2005, the team had five members.

GOAL 5

Promote public safety.

Policy 5.1. **Address school safety, in particular related to providing emergency access to schools during school hours.**

Policy 5.2. **Maintain a response time of less than 5 minutes for emergency calls and for other calls less than 20 minutes, 95 percent of the time.**

Policy 5.3. **Support Community Oriented Policing.**

Policy 5.4. **Cooperate with the County on public safety and policing issues outside the city limits.**

Policy 5.5. **Seek ways to reduce police service demands through project design enhancements.**

Action 5.5.1. Incorporate crime-reduction and public-safety features in the design and planning of private and public projects.

Action 5.5.2. Submit all discretionary permits to the Police Department for analysis of and recommendations to reduce impacts on police services.

DISASTER RESPONSE

Local, state, and federal governments share responsibility for preserving life and safety. The City of Walnut Creek has prepared an Emergency Operation Plan (EOP) that identifies and allocates resources in response to emergencies, from preparation through recovery. The EOP identifies the City's emergency planning, organizational, and response policies and procedures and how they will be coordinated with emergency responses from other levels of government.

John Muir Medical Center is a critical facility

Walnut Creek's EOP unfolds in three phases: 1) readiness, 2) response, and 3) recovery.

Events that may trigger phase one (readiness) include the following:

- Credible earthquake predictions
- Flood or special weather advisories
- Potential dam failure advisories
- Red flag (high fire danger) warnings
- Hazardous materials incidents
- Information indicating a high potential for violence, terrorism, or civil disturbance

The second phase (response) emphasizes reducing the effects of an emergency or disaster. This phase involves both pre-emergency and emergency activities.

Pre-emergency activities include the following:

- Evacuations
- Requests for mutual aid
- Proclamation of an emergency

Emergency activities encompass actions that save lives and property, control the emergency situation, or minimize the impacts of the disaster. Activities include:

- Rescue operations
- Treating the injured
- Restricting and/or directing the movement of people and traffic
- Preparing detailed damage assessments
- Operating mass care facilities
- Coroner operations
- Providing information to the public

Third phase (recovery) activities focus on post-disaster rebuilding efforts, such as the following:

- Hazard mitigation
- Identification of residual hazards
- Restoration of essential services
- Application for State or federal assistance

The ability to respond to emergencies depends, in large part, on the area's critical facilities—facilities that house emergency responders and those that provide emergency services. They include hospitals, fire stations, police and emergency services facilities, and utility and communications facilities and transmission lines.

GOAL 6

Provide quick response to disasters.

Policy 6.1. **In the event of a disaster, strive to reduce injury, loss of life, and property damage.**

Action 6.1.1. Prepare and adopt a list and map of evacuation routes.

Action 6.1.2. Regularly review and update the Emergency Operations Plan.

Policy 6.1.3. Following a disaster, require the screening of debris for hazardous materials before allowing reuse or recycling.

Policy 6.2. **Safeguard the city's critical facilities and make any repairs as quickly as possible.**

Action 6.2.1. Include a map of critical facilities in the Emergency Operations Plan.

WATER SUPPLY

Two water districts supply Walnut Creek's water: The Contra Costa Water District (CCWD) and the East Bay Municipal District (EBMUD). All water distribution and treatment facilities within Walnut Creek are owned and operated by EBMUD or CCWD.

GOAL 7

Work with the water districts to ensure safe and adequate water supplies for the Planning Area.

Policy 7.1. **Work with water agencies to secure water supplies to serve the Planning Area's growing number of residents and employees.**

Action 7.1.1. Work with water agencies and the fire district to ensure the availability of an adequate water supply, particularly during peakload periods, to serve firefighting needs.

NOISE

State law mandates that the general plan have a noise element that identifies noise sources in the planning area and strategies for reducing any negative impacts from noise on the community.

WHAT IS NOISE?

Noise is unwanted sound. Excessive noise can cause hearing loss and interfere with human activity. It can disrupt communication and affect a person's performance.

Which sounds are considered noise is subjective and varies from person to person and with the time of day and setting.

Sensitivity to noise increases in the evening and at night. Excessive noise interferes with the ability to sleep, so 24-hour descriptors were developed to add artificial noise penalties to quiet-time noise events. State law requires general plans to use the Community Noise Equivalent Level (CNEL) or the Day/Night Average Sound Level (L_{dn}) to describe the community noise environment and its effects on the population. The two are essentially the same. *General Plan 2025* uses L_{dn}. (See Figure 8, Land Use/Noise Compatibility, page 6-19.)

THE URBAN NOISE ENVIRONMENT

Noise measurements conducted in Walnut Creek as part of *General Plan 2025* reflect a variety of noise environments. The loudest noise source is Interstate 680. In a typical location 250 feet from the center of the highway, the L_{dn} was 75 dBA. At or near the freeway, the noise level ranged from 78 L_{dn} to 80 L_{dn}.

BART generates a noise level of 66 L_{dn} , as measured along Minert Street, 80 feet from the BART tracks. Noise resulting from BART trains is intermittent and has a unique character that is easily distinguishable from other traffic noise.

Along local routes of regional significance (e.g., Treat Boulevard and Ygnacio Valley Road) and arterials such as Mt. Diablo Boulevard, roadside noise levels range from 72 L_{dn} to as high as 75 L_{dn}. Along arterials such as Broadway and Walnut Avenue and along most of the city's major and minor streets, the measured noise level ranges from 60 L_{dn} to 70 L_{dn}.

Away from streets carrying substantial through traffic, Walnut Creek remains quiet.

Parking lot maintenance generates noise. Because parking demand is high in many of the city's business and commercial districts, parking facilities must maintained during off-peak hours. Commercial parking areas near residential areas create a conflict between the need to maintain parking facilities and pick up trash, and the demand for residential quiet.

The Municipal Code, Title 4, Article 2, addresses excessive, unreasonable, and prolonged noise, including the use of amplified sound, building construction and repair, and noise from leaf blowers.

Goal 9 and its policies and actions aim to control noise in existing residential areas by not allowing noise levels to increase substantially, regardless of the absolute noise level.

GOAL 8

Provide compatible noise environments for new development, redevelopment, and condominium conversions.

Policy 8.1. **Apply the noise and land use compatibility table and standards to all residential, commercial, and mixed-use proposals, including condominium conversions.**

Policy 8.2. **Address the issue of residences affected by intermittent urban noise from sources such as heating, ventilating, and air conditioning equipment and by outdoor maintenance activities, such as parking lot sweeping and early morning garbage collection.**

Action 8.2.1. For new single-family residential projects, use a standard of 60 L_{dn} for exterior noise in private use areas.

Action 8.2.2. For new multifamily residential projects and for the residential component of mixed-use development, use a standard of 65 L_{dn} in outdoor areas, excluding balconies.

Action 8.2.3. Strive for a maximum interior noise levels at 45 L_{dn} in all new residential units.

Action 8.2.4. For new downtown mixed-use development or for new residential development affected by noise from BART or helicopters, ensure that maximum noise levels do not exceed 50 L_{dn} in bedrooms and 55 L_{dn} in other rooms.

Action 8.2.5. Establish single-event noise standards for new downtown mixed-use development or for new residential development affected by noise from BART or helicopters.

GOAL 9

Control excessive noise sources in existing development.

Policy 9.1. **Control all residential and commercial noise sources to protect the existing noise environment.**

Action 9.1.1. Require the evaluation of noise mitigation measures for projects that would cause a substantial increase in noise.

Policy 9.2. **Strive to reduce traffic noise levels in existing residential areas.**

Action 9.2.1. Install quiet pavement surfaces for repaving projects, where feasible.

Action 9.2.2. Control vehicle-related noise.

Figure 8. Land Use/Noise Compatibility

LAND USE CATEGORY	EXTERIOR NOISE EXPOSURE (L_{DN}) 55 60 65 70 75 80
Single-family residential	
Multifamily residential, hotels, and motels	See footnote(a)
Outdoor sports and recreation, neighborhood parks and playgrounds	
Schools, libraries, museums, hospitals, personal care, meeting halls, churches	
Office buildings, business commercial, and professional	
Auditoriums, concert halls, amphi-theaters	

(a) Require noise mitigation to reduce interior noise levels pursuant to Actions 8.2.3. and 8.2.4.

NORMALLY ACCEPTABLE Specified land use is satisfactory, based on the assumption that any buildings involved are of normal conventional construction, without any special insulation requirements.

CONDITIONALLY ACCEPTABLE Specified land use may be permitted only after detailed analysis of the noise reduction requirements.

UNACCEPTABLE New construction or development should not be undertaken because mitigation to comply with noise element policies is unfeasible.

Source: *General Plan Guidelines,* Office of Planning and Research, Appendix C, Noise Element Guidelines; 2003 and Illingworth & Rodkin.

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4-6.201 Purpose of Provision.

It is hereby found and declared that:

a. The creation or maintenance of excessive noise or vibration which is prolonged or unreasonable in its time, place and use is deemed to be a serious detriment to the public health, safety and quality of life of the residents of the City; and

b. Therefore, it is the intent of the City to control and, in some instances, prohibit noise and vibration which may impact the health, safety or welfare of the citizens of Walnut Creek. (5410 and by §1, Ord. 1753, eff. 11/8/90)

4-6.202 Definitions.

Loud Noise is defined as excessive or unreasonable noise, sound or vibration which endangers the comfort, repose, health, peace or safety of others within the limits of the City. The determination of whether a noise is unreasonable shall be based on, among other things, consideration of the hour, place, nature, and circumstances of the emission or transmission of any loud noise.

Holidays are those days enumerated in the resolution of the City Council entitled "Resolution Enumerating Holidays" on file in the office of the City Clerk. (5411 and by §1, Ord. 1753, eff. November 8, 1990)

4-6.203 Prohibited Noises Enumerated.

As used in this article, loud, excessive or unreasonable noise shall include, but not be limited to, the following:

a. Radios, Phonographs, etc. The use, operation or maintenance of sound, from any radio, musical instrument, phonograph or other device designed for the production or reproduction of sound in such a manner as to disturb the peace, quiet and comfort of individuals on a public street, or in or near a residence, business or other such occupied structure. The creation or maintenance of such noise in such a manner so as to be plainly audible at a distance of fifty feet (50') from the source of such noise shall be prima facie evidence of a violation of this Section.

b. Loudspeakers and Amplifiers for Advertising. The use, operation, or maintenance of any loudspeaker, sound amplifier or other machine or device used for the production or reproduction of sound which is directed toward, or cast upon or across, a residential or commercial property line for the purposes of commercial advertising unless a permit for such sound is secured from the Chief of Police. The Chief of Police may issue a permit, subject to reasonable restrictions.

Such restrictions shall be based upon the area in which the proposed broadcast is to occur, the hours of the proposed broadcast, and the method by which such amplification or broadcast shall occur. In residential zones, a permit shall be granted only for broadcast during the hours of 8 a.m. and 6 p.m. on weekdays which are not holidays and between the hours of 9 a.m. and 5 p.m. on weekends and holidays but such amplification shall not be plainly audible from a distance of more than 50' (fifty feet) from the source of such amplification. In all other zones, a permit shall be granted only for broadcast during the hours of 8 a.m. and 9 p.m. on weekdays, weekends and holidays but such amplification shall not be plainly audible from a distance of more than 50' (fifty feet) from the source of such amplification.

The applicant for such a permit, if the same is denied for cause, may appeal this denial to the City Manager. The City Manager shall thereupon issue or deny the permit. Any permit issued by the Chief of Police may be revoked by either the City Manager or the Chief of Police if the applicant violates any of the conditions set forth in the permit.

c. Distraction of Drivers of Motor Vehicles. The use, operation, or maintenance of any horn, radio, machine or device used for the production or reproduction of sound which is directed to, or cast upon, public streets or highways which distracts, or is intended to distract, the attention of drivers of motor vehicles, unless operated to request assistance or warn of a hazardous situation. This section does not apply to authorized emergency vehicles or vehicles operated by gas, electric, communications, water, or other such public utilities.

d. Yelling, Shouting, etc. Yelling, shouting, hooting, whistling, or singing on a public street at any time or place with the intent to annoy or disturb the quiet, comfort or repose of a person or persons in any dwelling, office, building or structure, or of any person or persons in the vicinity.

e. Animals, Birds, etc. The keeping of any animal or bird, as pet or livestock, which, by causing frequent or continuous noise disturbs the comfort or repose of any persons in the vicinity. The creation or maintenance of noise by animals in such a manner as to be plainly audible at a distance of 50' (fifty feet) from the source of such noise shall be prima facie evidence of a violation of this Section.

f. Construction or Repair of Buildings. The erection, construction, demolition, alteration or repair of any building, structure or residence that requires a permit, or the excavation of any earth, fill, streets or highways that requires a grading permit, other than between the hours of 7:00 a.m. and 6:00 p.m. on weekdays which are not holidays, or those precise hours of operation enumerated in individual building and grading permits.

If the Chief of Code Enforcement determines that the public health, safety and welfare will not be impaired by the erection, construction, demolition, alteration or repair of any building, structure or residence during hours other than permitted in the preceding paragraph, and if he or she further determines that loss or inconvenience would result to any person in interest, he or she may grant permission for such work to be done, the specific hours and days of operation to be enumerated in the permit.

If the City Engineer determines that the public health, safety and welfare will not be impaired by the excavation of any earth, fill, streets or highways during the hours of the first paragraph of this subsection and if he or she further determines that loss or inconvenience would result to any person in interest, he or she may grant permission for such work to be done, the specific hours and days of operation to be enumerated in the permit.

In case of urgent necessity in the interest of public health and safety, the Chief of Code Enforcement or the City Engineer may issue a permit to conduct such emergency work for a period not to exceed three (3) days or less while the emergency continues. Such permit may be renewed for periods of three (3) days or less while the emergency continues.

This Section shall not be construed to require a permit for a public utility engaged in any of the aforementioned activities provided reasonable effort is made to minimize noise disturbance while such work is in progress.

g. Maintenance Equipment. The use and operation of any noise-creating commercial or residential landscaping or home maintenance equipment or tools including, but not limited to, hammers, blowers, trimmers, mowers, chainsaws, power fans or any engine, the operation of which causes noise due to the explosion of operating gases or fluids, other than between the hours of 8:00 a.m. and 7:00 p.m. on weekdays and 9:00 a.m. and 7:00 p.m. on weekends and holidays. (§1, Ord. 1753, eff. November 8, 1990)

4-6.204 Loud Noises Prohibited.

No person shall make, continue or cause to be made or continued, any loud, excessive or unreasonable noise or sound within the limits of the City. (§1, Ord. 1753, eff. November 8, 1990)

4-6.205 Exemptions.

a. The provisions of this article shall not apply in actual or threatened emergency situations such as those caused by natural or man-made disasters.

b. Businesses and individuals using maintenance equipment in the Core Area and in business parks may commence at 7:00 a.m. on weekdays which are not holidays but are otherwise subject to the limitations set forth above.

c. Schools within the City's limits using maintenance equipment may commence at 7:00 a.m. on weekdays which are not holidays but are otherwise subject to the limitations set forth above. (§1, Ord. 1753, eff. November 8, 1990)

d. If the Community Development Director determines that the public health, safety and welfare will not be impaired by the operation of golf course maintenance equipment, expressly for the purpose of preparing greens and sand trap areas prior to a course being opened for play, he or she may allow such operations to occur prior to the normal operating hour limitations as set forth in Section 4-6.203 (g) of the Municipal Code, but in no instance prior to 30 minutes before sunrise or 6:00 A.M., whichever is later. In granting such an exemption, the Community Development Director may impose any conditions as deemed necessary to ensure that the operation of golf course maintenance equipment prior to the normally permitted operating hours will not unreasonably disturb the occupants of residences located adjacent to the golf course requesting the exemption. Exemptions granted by the Community Development Director can be revoked at any time. Decisions by the Community Development Director shall be final. (§1, Ord. 1920, eff. 2/19/98.)

4-6.207 Penalty; Misdemeanor or Infraction.

Any person who violates any provision of §§4-6.203 through 4-6.204 shall be deemed guilty of a misdemeanor or an infraction.

a. If charged as an infraction, the penalty upon conviction of such person shall be a fine as set forth in §1-2.01 of this Code.

b. If charged as a misdemeanor, the penalty upon conviction of such person shall be imprisonment in the county jail for a period not to exceed six months, or by a fine not exceeding $1000.00, or by both fine and imprisonment. (§1, Ord. 1753, eff. November 8, 1990)

COWC-09.0 - Construction Noise Modeling Attenuation Calculations

Levels in dBA Leq

Phase	RCNM Reference Noise Level	Receptor to North	Receptor to East	Receptor to South	Receptor to West
Distance in feet	*50*	*90*	*120*	*270*	*200*
Demolition	85	80	77	70	73
Site Prep	85	80	77	70	73
Grading	85	80	77	70	73
Distance in feet	*50*	*80*	*140*	*180*	*125*
Building Construction	80	76	71	69	72
Architectural Coating	74	70	65	63	66
Distance in feet	*50*	*45*	*120*	*145*	*120*
Paving	80	81	72	71	72

Attenuation calculated through Inverse Square Law: Lp(R2) = Lp(R1) - 20Log(R2/R1)

COWC-09.0 - Vibration Damage Attenuation Calculations

Levels, PPV (in/sec)

Distance in feet	**Vibration Reference Level at *25 feet***	**Receptor to North** *30*	**Receptor to East** *175*	**Receptor to South** *150*	**Receptor to West** *115*
Vibratory Roller	0.21	0.160	0.011	0.014	0.021
Clam shovel	0.202	0.154	0.011	0.014	0.020
Hoe Ram	0.089	0.068	0.005	0.006	0.009
Large Bulldozer	0.089	0.068	0.005	0.006	0.009
Caisson Drilling	0.089	0.068	0.005	0.006	0.009
Loaded Trucks	0.076	0.058	0.004	0.005	0.008
Jackhammer	0.035	0.027	0.002	0.002	0.004
Small Bulldozer	0.003	0.002	0.000	0.000	0.000

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Year Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.1	66.9	67.5	34	74	159	Tice Valley Blvd	from the South	Rossmoor Pkwy	13,740	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20
2	64.6	67.4	68.0	37	80	172	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	14,930	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	4	Soft	50	0.5	44
3	65.1	67.9	68.6	40	87	188	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	17,060	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	4	Soft	50	0.5	44
4	56.6	59.4	60.0	11	23	50	Boulevard Way	Olympic Blvd	to the North	4,790	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	2	Soft	50	0.5	20
5	63.5	66.3	67.0	32	68	147	Olympic Blvd	from the East	Tice Valley Blvd	11,800	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	4	Soft	50	0.5	44
6	64.9	67.7	68.4	39	84	180	Olympic Blvd	Tice Valley Blvd	to the West	16,090	35	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	4	Soft	50	0.5	44
7	57.7	60.5	61.2	13	28	60	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,050	25	0.0%	96.0%	2.5%	1.5%	75.0%	15.0%	10.0%	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus Restaurant Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour																		
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.4	67.2	67.9	36	78	168	Tice Valley Blvd	from the South	Rossmoor Pkwy	14,828	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	65.9	68.7	69.4	45	98	211	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	20,368	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	66.3	69.1	69.8	49	105	226	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	22,498	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	57.0	59.8	60.5	12	25	54	Boulevard Way	Olympic Blvd	to the North	5,334	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	64.2	67.0	67.7	35	76	163	Olympic Blvd	from the East	Tice Valley Blvd	13,866	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	65.1	67.9	68.6	40	87	187	Olympic Blvd	Tice Valley Blvd	to the West	16,906	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	58.3	61.0	61.7	14	30	65	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,866	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus Bank Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour																		
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.2	66.9	67.6	35	75	161	Tice Valley Blvd	from the South	Rossmoor Pkwy	13,983	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	64.9	67.7	68.4	39	84	181	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	16,145	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	65.4	68.2	68.9	42	91	196	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	18,275	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	56.7	59.5	60.1	11	24	51	Boulevard Way	Olympic Blvd	to the North	4,912	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	63.7	66.5	67.2	32	70	151	Olympic Blvd	from the East	Tice Valley Blvd	12,262	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	64.9	67.7	68.4	39	84	182	Olympic Blvd	Tice Valley Blvd	to the West	16,272	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	57.8	60.6	61.3	13	28	61	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,232	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus General Office Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment From - To														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway			ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.1	66.9	67.6	34	74	160	Tice Valley Blvd	from the South	Rossmoor Pkwy	13,804	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	64.7	67.4	68.1	38	81	174	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	15,249	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	65.2	68.0	68.7	41	88	190	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	17,379	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	56.6	59.4	60.1	11	23	51	Boulevard Way	Olympic Blvd	to the North	4,822	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	63.6	66.4	67.1	32	69	148	Olympic Blvd	from the East	Tice Valley Blvd	11,921	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	64.9	67.7	68.4	39	84	181	Olympic Blvd	Tice Valley Blvd	to the West	16,138	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	57.7	60.5	61.2	13	28	60	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,098	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus General Office Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment From - To														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway			ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.1	66.9	67.6	35	75	161	Tice Valley Blvd	from the South	Rossmoor Pkwy	13,952	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	64.9	67.6	68.3	39	83	180	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	15,990	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	65.4	68.2	68.9	42	91	195	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	18,120	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	56.7	59.4	60.1	11	24	51	Boulevard Way	Olympic Blvd	to the North	4,896	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	63.7	66.5	67.2	32	70	150	Olympic Blvd	from the East	Tice Valley Blvd	12,203	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	64.9	67.7	68.4	39	84	182	Olympic Blvd	Tice Valley Blvd	to the West	16,249	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	57.8	60.6	61.3	13	28	61	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,209	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus Retail Plaza Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment From - To														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway			ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.2	67.0	67.6	35	75	162	Tice Valley Blvd	from the South	Rossmoor Pkwy	14,061	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	65.0	67.8	68.5	40	85	184	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	16,534	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	65.5	68.3	69.0	43	92	199	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	18,664	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	56.7	59.5	60.2	11	24	51	Boulevard Way	Olympic Blvd	to the North	4,950	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	63.8	66.5	67.2	33	70	152	Olympic Blvd	from the East	Tice Valley Blvd	12,410	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	65.0	67.7	68.4	39	85	182	Olympic Blvd	Tice Valley Blvd	to the West	16,331	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	57.9	60.7	61.3	13	29	62	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,291	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Traffic Noise Calculator: FHWA 77-108 **Rossmoor Project (COWC-09.0) Existing Plus Residential Traffic Noise Traffic Conditions**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment From - To														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway			ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	64.1	66.9	67.6	34	74	159	Tice Valley Blvd	from the South	Rossmoor Pkwy	13,753	35	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
2	64.6	67.4	68.1	37	80	172	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	14,993	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
3	65.2	67.9	68.6	41	87	188	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	17,123	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
4	56.6	59.4	60.0	11	23	50	Boulevard Way	Olympic Blvd	to the North	4,796	25	0	0.96	0.025	0.015	0.75	0.15	0.1	2	Soft	50	0.5	20
5	63.6	66.3	67.0	32	68	147	Olympic Blvd	from the East	Tice Valley Blvd	11,824	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
6	64.9	67.7	68.4	39	84	181	Olympic Blvd	Tice Valley Blvd	to the West	16,099	35	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44
7	57.7	60.5	61.2	13	28	60	Rossmoor Pkwy	Tice Valley Blvd	to the East	6,059	25	0	0.96	0.025	0.015	0.75	0.15	0.1	4	Soft	50	0.5	44

Trip Distribution	ID	Roadway	From	To	Daily Trips (ADTs) 5438 Restaurant	1215 Bank	319 General Office	1060 Medical Office	1604 Retail Plaza	63 Residential
20%	1	Tice Valley Blvd	from the South	Rossmoor Pkwy	1087.6	243	63.8	212	320.8	12.6
100%	2	Tice Valley Blvd	Rossmoor Pkwy	Rolling Hills Dr	5438	1215	319	1060	1604	63
100%	3	Tice Valley Blvd	Rolling Hills Dr	Olympic Blvd	5438	1215	319	1060	1604	63
10%	4	Boulevard Way	Olympic Blvd	to the North	543.8	121.5	31.9	106	160.4	6.3
38%	5	Olympic Blvd	from the East	Tice Valley Blvd	2066.44	461.7	121.22	402.8	609.52	23.94
15%	6	Olympic Blvd	Tice Valley Blvd	to the West	815.7	182.25	47.85	159	240.6	9.45
15%	7	Rossmoor Pkwy	Tice Valley Blvd	to the East	815.7	182.25	47.85	159	240.6	9.45

Appendix D Transportation Impact Assessment Memorandum

Appendix

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FEHR PEERS

TECHNICAL MEMORANDUM

Date: May 23, 2025

To: Steve Noack & Alen Estrada-Rodas, Placeworks
Jessica Gonzalez & Chip Griffin, City of Walnut Creek

From: Bill Burton, PE, Fehr & Peers

Subject: 1200 Rossmoor Parkway – Transportation Assessment

WC24-4070.00

This technical memorandum has been prepared to document our assessment of the potential transportation related impacts of the proposal to rezone 1200 Rossmoor Parkway in Walnut Creek, California. The project site is in the northeast corner of Tice Valley Boulevard and Rossmoor Parkway intersection and was previously used by a retail bank branch. The proposed project would rezone the site from PD-1834 (Bank Use) to a new PD which conforms significantly to the new General Plan Designation of General Retail. To evaluate the proposed rezoning, six land-use scenarios were developed and analyzed to describe the range of transportation effects that may occur.

This study has been prepared in accordance with the methodology and requirements of the City of Walnut Creek's *Transportation Analysis Guidelines* (June 2021). These new guidelines are consistent with the requirements of Senate Bill SB 743 which took full effect on July 1, 2020. The implementation of SB 743 eliminated the use of criteria such as auto delay, level of service, and similar measures of vehicle capacity of traffic congestion as the basis for determining significant impacts as part of California Environmental Quality Act (CEQA) compliance.

While no longer required as part of CEQA, Walnut Creek's *Transportation Analysis Guidelines* indicate that Level of Service (LOS) analysis may be required for the following conditions:

- When project-generated traffic is expected to be greater than 100 vehicle trips during the morning or evening peak hour

- When a project includes a General Plan Amendment that changes the land use and is expected to generate greater than 50 vehicle trips during the morning or evening peak hour
- When a project trigger Vehicle Miles Traveled (VMT) analysis per Contra Costa Transportation Authority (CCTA) CEQA VMT analysis requirements

Several of the permitted land uses under the rezoning would not generate sufficient vehicle traffic to satisfy these conditions. Nevertheless, to provide information to the applicant and decision makers relative to the potential transportation related consequences of the project, focused analyses of area intersections for all scenarios have been undertaken in accordance with the County's guidelines. These analyses include both LOS and safety related assessments.

Project Description

The proposed rezoning would allow for the development of different land uses on the site, including: (1) Banks and Savings and Loans, (2) Eating and/or Drinking Establishments, (3) Offices, Business and Professional, (4) Residential, and (5) Retail. To assess the potential transportation effects project, the following land use alternatives were developed and evaluated:

(1) Restaurant (including a range of potential types)
(2) General Office Building
(3) Medical-Dental Office Building
(4) Bank
(5) Retail
(6) Residential

Our assessment includes these six disparate scenarios. A maximum floor area ratio of 0.50 would be permitted under the rezoning action which would allow for a total development size of 29,450 square feet (or 13 dwelling units under the residential alternative).

Figure 1 illustrates the project's location. All vehicular access to the project site would be provided via driveways on Rossmoor Parkway.

Existing Transportation System

Roadway Network

Rossmoor Parkway

Rossmoor Parkway is a two-lane, north-south minor arterial south of Tice Valley Boulevard and a two-lane collector north of Tice Valley Boulevard that extends from Old Oak Drive to Tice Creek Drive, where it continues as Terra Granada Drive. Rossmoor Parkway forms the western boundary of the project site. Rossmoor Parkway provides connectivity to the Rossmoor residential neighborhood and Tice Valley Boulevard. The posted speed limit on Rossmoor Parkway in the area is 25 miles per hour (mph). Sidewalks are provided on both sides of the street through the study area. On-street parking is provided between driveways along both sides of the street along Rossmoor Parkway adjacent to the project site.

Tice Valley Boulevard

Tice Valley Boulevard is a two-lane, east-west minor arterial west of Rossmoor Parkway and a one-lane collector east of Rossmoor Parkway that extends from Olympic Boulevard to Crest Ave, continuing as Boulevard Way to the west and Leilani Lane in the east. Tice Valley Boulevard forms the western boundary of the project site. It connects the Rossmoor and Castle Hill residential neighborhoods with Olympic Boulevard. This road has a posted speed limit of 35 miles per hour. Sidewalks are provided on both sides of the street in the project area. Class II unbuffered bike lanes are also provided on both sides of the street west of Rossmoor Parkway, and Class II buffered bike lanes are provided on both sides of the street east of Rossmoor Parkway. Class II bike lanes and sidewalks on both sides of the street end about 1,500 feet east of Rossmoor Parkway, where sidewalks continue on the south side of the road. No on-street parking is permitted along Rossmoor Parkway.

Olympic Boulevard

Olympic Boulevard is a two-lane, east-west major arterial that extends from Reliez Station Road in Lafayette to South Main Street in Downtown Walnut Creek. Olympic Boulevard provides connectivity for the residential neighborhoods of Southwest Walnut Creek and East Lafayette to Downtown Walnut Creek, I-680, State Route 24, and the wider Bay Area region. This road has a posted speed limit of 35 miles per hour. On-street parking is provided on the south side of Olympic Boulevard, east of Tice Valley Boulevard/Boulevard Way until its intersection with Newell Avenue.

Sidewalks are provided on both sides of the road until its intersection with Newell Avenue, where sidewalks continue on the north side of the road.

Transit Service

County Connection

Fixed route bus transit service in the vicinity of the project site is provided by the County Connection. County Connection provides bus transit service to communities throughout central Contra Costa County, including the City of Walnut Creek. County Connection is also a paratransit service provider. The project area is served by County Connection Route 1 and School Route 601. Route 1 has stops at Rossmoor Shopping Center, Rossmoor Parkway/Tice Valley Boulevard, and Tice Valley Boulevard/Del Valle Theater. Route 601 has stops at Tice Valley Boulevard/Chives Way and Tice Valley Boulevard/Del Valle Theater. Route 1 runs Monday through Friday with 1-hour headways. Route 601 runs Monday, Tuesday, Thursday, and Friday with one AM and one PM trip per day aligned with Walnut Creek Intermediate School bell schedules. The routes connect the site to Walnut Creek BART, Downtown Walnut Creek, Walnut Creek Intermediate School, Las Lomas High School, Broadway Plaza, and many other local facilities and attractions. At Walnut Creek BART station, connections to regional BART service, numerous other County Connection routes, and other transit service providers are available.

Paratransit service within Contra Costa County is provided by the County Connection through LINK Paratransit. LINK Paratransit provides on-demand door-to-door service for eligible ADA patrons within the project's vicinity.

Bay Area Rapid Transit

Regional transit service in the study area is provided by the San Francisco Bay Area Rapid Transit (BART). The Walnut Creek BART station is located roughly 2.8 miles north of the project site, north of Ygnacio Valley Road and west of North California Boulevard. The station is on the Pittsburg/Bay Point line, providing direct service to downtown San Francisco. Passengers traveling to or from destinations on the Fremont, Richmond, or Dublin/Pleasanton lines are required to transfer, generally at the MacArthur BART station. Trains operate approximately between 4:30 a.m. and midnight on weekdays. Train frequency is typically 20 minutes on weekends and 10 minutes during weekdays.

Pedestrian Facilities

Walkability is defined as the ability to travel easily and safely between various origins and destinations without having to rely on automobiles or other motorized travel. The ideal "walkable" community includes wide sidewalks, a mix of land uses such as residential, employment, and shopping opportunities, a limited number of conflict points with vehicle traffic, and easy access to transit facilities and services. Pedestrian facilities consist of crosswalks, sidewalks, pedestrian signals, and off-street paths, which provide safe and convenient routes for pedestrians to access the destinations such as institutions, businesses, public transportation, and recreation facilities. This section identifies pedestrian facilities in the transportation study area.

Pedestrian facilities in the study area include sidewalks, crosswalks, and pedestrian signals. A fairly complete system of sidewalks is provided to the south and west of the site; the southern portion of Rossmoor Parkway, the eastern portion and partial western portion of Tice Valley Boulevard, and Olympic Boulevard provide city-standard sidewalks along both sides of the roadway. The residential northern portion of Rossmoor Parkway as it continues into Old Oak Drive, and approximately 1,500 feet down the eastern portion of Tice Valley Boulevard away from the project site, as well as many residential local streets in the area, such as Old Oak Drive and Rolling Hills Drive, provide discontinuous sidewalks or are absent of sidewalks. The system of pedestrian facilities provides access to local destinations such as Rossmoor Shopping Center, Del Valle Theater, the Saranap neighborhood, and the Rossmoor neighborhood.

Bicycle Facilities

The City of Walnut Creek, which surrounds the project site, has a bicycle network that runs throughout the city. Bicycle facilities in the City of Walnut Creek include the following:

- Class I Bikeway (Bike Path) provides a completely separate right-of-way and are designated for the exclusive use of people riding bicycles and walking with minimal cross-flow traffic. Such paths can be well situated along creeks, canals, and rail lines. Class I Bikeways can also offer opportunities not provided by the road system by serving as both recreational areas and/or desirable commuter routes.
- Class II Bikeway (Bike Lane) provides designated street space for bicyclists, typically adjacent to the outer vehicle travel lanes. Bike lanes include special lane markings, pavement legends, and signage. Bike lanes may be enhanced with painted buffers between vehicle lanes and/or parking, and green paint at conflict zones (such as driveways or intersections).

- Class III Bikeway (Bike Route) provides enhanced mixed-traffic conditions for bicyclists through signage, striping, and/or traffic calming treatments, and to provide continuity to a bikeway network. Bike routes are typically designated along gaps between bike trails or bike lanes, or along low-volume, low-speed streets. Bicycle boulevards provide further enhancements to bike routes to encourage slow speeds and discourage non-local vehicle traffic via traffic diverters, chicanes, traffic circles, and/or speed tables. Bicycle boulevards can also feature special wayfinding signage to nearby destinations or other bikeways.

In the immediate vicinity of the project site, designated bicycle facilities are provided on Tice Valley Boulevard and Olympic Boulevard. Tice Valley Boulevard features a Class III bike route from Olympic Boulevard to Rolling Hills Drive, and Class II unbuffered bike lanes from Rolling Hills Drive to Tice Valley Lane. Olympic Boulevard, west of Tice Valley Boulevard, includes a Class II unbuffered bike lane from its western end to Newell Avenue. East of Newell Avenue, it transitions into a Class III bike route, providing access to Downtown Walnut Creek. Additionally, this roadway offers a Class I shared-use path on the south side of the road from Newell Court to Tice Valley Boulevard, and on the north side from Tice Valley Boulevard to Newell Avenue.

The Class I shared-use on Olympic Boulevard path extends west, continuing past the western end of Olympic Boulevard as the Lafayette/Moraga Regional Trail. The Lafayette/Moraga Regional Trail is a primarily recreational-use trail that spans a distance of 7.7 miles, connecting the cities of Lafayette and Moraga.

Furthermore, bicycles are permitted in several public parks in the area, such as Tice Valley Park and Old Oak Park. Tice Valley Park is equipped with bike racks throughout the park, facilitating convenient bike parking. Bicycles are also allowed on all other roadway facilities near the project site.

Standards of Significance

This study incorporates the standards of significance of the City of Walnut Creek as described in their *Transportation Analysis Guidelines* (June 2021).

VMT Screening Criteria

The City of Walnut Creek has three types of screening that may be applied to effectively screen projects from project-level assessment. Absent substantial evidence indicating that a project would

generate a potentially significant level of VMT, the following types of projects should be expected to cause a less-than-significant impact under CEQA and do not require further VMT analysis:

- **Transit Priority Area Screening:** Projects located within a Transit Priority Area may be presumed to have a less than significant impact absent substantial to the contrary; however, the following projects may not be exempt from the analysis:
    - Housing projects located in areas that have existing per capita home-based VMT that is greater than 85% of the existing County-wide average;
    - Employment-focused projects located in areas that have existing per capita work commute VMT that is greater than 85% of the existing Bay Area regional average
    - Has a Floor Area Ratio of less than 0.75;
    - Includes more parking for use by residents, customers, or employees than required by the lead agency (if the agency allows, but does not require the project to supply a certain amount of parking);
    - Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Transportation Commission); or
    - Results in a net reduction to multi-family housing units.
- **Low VMT Area Screening:** Residential and office projects located within a low VMT-generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use projects may qualify for the use of screening if the project can reasonable be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area. For this screening, CCTA's travel demand model shall be utilized to compare the project's characteristics to land uses currently in the low-VMT area and for individual traffic analysis zones (TAZs). A low VMT area is defined as follows:
    - For housing projects: Cities and unincorporated portions within CCTA's five subregions that have existing home-based VMT per capita that is 85% or less of the existing County-wide average.
    - For employment-generating projects: Cities and unincorporated portions of CCTA's five subregions that have existing home-work VMT per worker that is 85% or less of the existing regional average.
    - There is no definition of a low VMT area for Regional-Serving and Other Projects, since these projects always require a VMT analysis (unless they are screened out using other criteria).

  - Mixed-use projects may qualify for the use of this screening criterion if they include only housing, employment-generating uses and local-serving uses, and can reasonably be expected to generate VMT per resident and/or per worker that is similar to the existing land uses in the low VMT area.
- **Project Type Screening:** Projects meeting certain baseline criteria that were set based on the shift from LOS to VMT, which include the following:
  - CEQA Exemption: Any project that is exempt from CEQA is not required to conduct a VMT analysis.
  - Small Projects: Small projects can be presumed to cause a less-than-significant VMT impact. "Small Projects" are defined as having 10,000 square feet or less of non-residential space or 20 residential units or less, or otherwise generating less than 836 VMT per day.
  - Local-Serving Uses: Projects that consist of Local-Serving uses can generally be presumed to have a less-than-significant impact absent substantial evidence to the contrary, since these types of projects will primarily draw users and customers from a relatively small geographic area that will lead to short-distance trips and trips that are linked to other destinations. Local-serving retail projects less than 30,000 square feet can be presumed to cause a less-than-significant VMT impact. Drive-thru uses cannot take any exemptions as part of the screening criteria.
  - Affordable Housing: Projects that provide affordable housing can be presumed to have a less-than significant impact absent substantial evidence to the contrary. This exemption would apply if the project provides 100% affordable housing.

VMT Assessment for Non-Screened Development

Projects that do not screen out must complete VMT analysis and forecasting through the CCTA model to determine if they have a significant VMT impact. This analysis includes "project generated VMT" and "project effect of VMT" estimates for the project TAZs under the following scenarios:

- Baseline conditions: This data is available from the CCTA travel demand model. The baseline values calculated are reflective of values at the time that the Notice of Preparation for a project is released.
- Baseline plus project: The project land use is added to the project TAZ or a separate TAZ is created to contain the project land uses. A full base year model run is performed and VMT changes must be isolated for the project TAZ and across the full model network. The model output must include reasonableness checks of the production and attraction balancing to

ensure the project effect is accurately captured. If this scenario results in a less-than significant impact, then additional cumulative scenario analysis may not be required.

- Cumulative no project: This data is available from the CCTA travel demand model. Projects that are unable to mitigate their project-specific VMT impact levels require a Cumulative VMT analysis.
- Cumulative plus project: The project land use is added to the project TAZ or a separate TAZ is created to contain the project land uses. The additional of project land uses is accompanied by a reallocation of similar amount of land use from other TAZs, especially if the proposed project is significant in size that it would change other future developments.

"Plus project" scenarios summarize two types of VMT: (1) project-generated VMT per capita that is compared to the appropriate benchmark noted in the thresholds of significance, and (2) the project effect on VMT, comparing how the project changes VMT on the network looking at citywide VMT per capita and comparing it to the no project condition.

VMT Thresholds of Significance

For projects that do not meet the screening criteria, a proposed project should be considered to have a significant impact if project VMT is greater than:

- A residential project's VMT impact is considered less-than-significant if its residential VMT per resident is at least 15% below the County-wide average residential VMT per resident.
- An employment-generating project's VMT impact is considered less-than-significant if its Home-Work trip VMT per Worker is at least 15 percent below the 9-County MTC regional average Home-Work trip VMT per Worker.
- A regional-serving project shall consider the total study area VMT and should define a VMT study area over which to evaluate that metric. The VMT impact is considered less-than-significant if its baseline project generated total VMT per service population (employees plus residents) is 15% below the existing County-wide average total VMT per service population.

Additionally, Senate Bill 743 establishes the significance of a project's impact if it:

- Conflicts with a plan, ordinance, or policy addressing the safety or performance of the circulation system, including transit, roadways, bicycle lanes, and pedestrian paths (except for automobile level of service or other measures of vehicle delay).

- Substantially induces additional automobile travel by increasing physical roadway capacity in congested areas (i.e., by adding new mixed-flow lanes) or by adding new roadways to the network.

Intersection Levels of Service

While not required as part of the project's CEQA assessment, the city can require development projects to perform intersection level of service analysis. To provide this information, a focused level of service and safety assessment has been performed.

When evaluating the effects of development projects on the performance of the City's transportation facilities, the city applies operational standards to ensure the levels of growth and development provided in the County General Plan Land Use Element are sufficiently accommodated.

Identifying improvements to address operational deficiencies would be required under the following circumstances:

- Projects that cause a signalized intersection operating at an acceptable LOS D or better without the project to operate at an unacceptable operations (LOS E or LOS F)
- Projects that increase the volume to capacity ratio by greater than 0.05 for a signalized study intersection that is already operating at an unacceptable LOS without the project

All City intersections and regional roadways should operate at or better than the LOS and volume to capacity (V/C) ratio performance measures specified in the Walnut Creek General Plan:

- Residential local roadways have an LOS standard of B and a V/C ratio standard of up to 0.70.
- Collector roadways have an LOS standard of low D and a V/C ratio standard of up to 0.84.
- Arterial roadways have an LOS standard of high D and a V/C ratio standard of up to 0.90.
- Routes of regional significance, including Ygnacio Valley Road, Treat Boulevard, Geary Road, Pleasant Hill Road, and North Main Street should have a delay index of 2.0 and the peak hour average speed of 15 miles per hour.
- Roadways in the core area of Walnut Creek that is bounded by I-680, the Iron Horse Trail, and Walden Road should have an LOS standard of low E and a V/C ratio standard of up to 0.94.

Vehicle Miles of Travel

The project's six alternative land use scenarios were assessed against the City's VMT screening criteria. Four of the six land use scenarios were found to screen out of the detailed VMT analysis and are presumed to have a less than significant impact related to VMT. These land use alternatives were found to meet the city's VMT screening criteria:

- Restaurant Alternative – The restaurant alternative consists of only local serving uses. Projects that consist of Local-Serving uses can generally be presumed to have a less-than-significant impact absent substantial evidence to the contrary, since these types of projects will primarily draw users and customers from a relatively small geographic area that will lead to short-distance trips and trips that are linked to other destinations. Local-serving retail projects less than 30,000 square feet can be presumed to cause a less-than-significant VMT impact.
- Bank Alternative – The bank alternative meets the local serving use screening criteria.
- Retail Alternative – The retail alternative meets the local serving use screening criteria.
- Residential Alternative – The residential alternative meets both the small project and affordable housing screening criteria. Small projects can be presumed to cause a less-than-significant VMT impact. "Small Projects" are defined as having 10,000 square feet or less of non-residential space or 20 residential units or less, or otherwise generating less than 836 VMT per day. Projects that provide affordable housing can be presumed to have a less-than significant impact absent substantial evidence to the contrary. This exemption would apply if the project provided 100% affordable housing. As this alternative includes 13 affordable homes, it meets both criteria.

The two other alternatives (General Office Building and Medical Dental Office Building) were not found to meet any of the city's VMT screening criteria and thus a detailed VMT analysis was performed using the CCTA travel demand model. **Tables 1** and **2** present a summary of the project's VMT calculations for home-based work commute VMT per employee.

It should be noted that if a small amount of general office building or medical dental office building space was proposed, it could fall below the city's small project screening criteria's threshold. Specifically, a general office building of 10,100 square feet or smaller or a medical dental office building of 3,060 square feet or smaller would generate less than 110 daily trips and satisfy the screening criteria (and be presumed to have a less than significant impact pertaining to VMT).

Table 1: Baseline Scenario CEQA VMT Analysis

Alternative		Project Estimate (VMT/Employee)	Regional Threshold (VMT/Employee)	CEQA VMT Threshold Value[1]	Impact?
Baseline Plus Project	General Office	15.4	15.4	13.1	Yes
	Medical Office	15.4			

Note:
1. The VMT threshold represents 15 percent below the 9-County MTC regional average Home-Work trip VMT per employee.
Sources: Contra Costa County Travel Demand Model, Fehr & Peers, 2025.

The project-generated daily commute VMT per employee was calculated to be 15.4 in the baseline plus project scenario for both the General Office Building and Medical Dental Office Building Land Use alternatives. This daily home-based work VMT per employee is above the applicable threshold value of 15 percent below the MTC regional average, and thus the General Office Building and Medical Dental Office Building Land Use alternatives are expected to have ***significant adverse impacts*** pertaining to VMT.

Table 2: Cumulative Scenario CEQA VMT Analysis

Alternative		Project Estimate (VMT/Employee)	Regional Threshold (VMT/Employee)	CEQA VMT Threshold Value[1]	Impact?
Cumulative Plus Project	General Office	16.1	15.8	13.4	Yes
	Medical Office	16.1			

Note:
1. The VMT threshold represents 15 percent below the 9-County MTC regional average Home-Work trip VMT per employee.
Sources: Contra Costa County Travel Demand Model, Fehr & Peers, 2025.

The project-generated daily commute VMT per employee was calculated to be 16.1 in the cumulative plus project scenario for both the General Office Building and Medical Dental Office Building Land Use alternatives. This daily home-based work VMT per employee is above the applicable threshold value of 15 percent below the MTC regional average, and thus the General Office Building and Medical Dental Office Building Land Use alternatives are expected to have ***significant adverse impacts*** pertaining to VMT in the cumulative scenario.

Mitigation Measure Transportation 1 - Based on the established significance threshold for VMT, the General Office Building and Medical Dental Office Building alternatives are expected to result in a significant adverse impact relative to VMT. As presented in Table 1, in the Baseline with Project scenario, the project's daily home-work VMT per employee is forecast to be 15.4. This is 17.5 percent above the relevant standard of significance which is 85 percent of the regional average (13.1 daily home-work VMT per employee).

Transportation Impact 1: Home-based Work Project VMT per Worker: The results of the VMT analysis indicate the General Office Building and Medical Dental Office Building alternatives would have a home-based VMT per worker greater than 85 percent of the regionwide average. This is considered to be a significant adverse impact.

Mitigation Measure Trans-1: Prepare and Implement Travel Demand Management Plan (TDM Plan): If either the General Office Building or Medical Dental Office Building alternatives are pursued, a detailed VMT assessment should be performed for the project specific proposal. Based on this study's assessment it is expected that the project would result in a significant impact related to VMT. To mitigate the identified impact, Travel Demand Management Plan(s) shall be prepared and implemented as part of future development if the General Office Building or Medical Dental Office Building alternatives were developed. The TDM Plan shall identify trip reduction strategies as well as mechanisms for funding and overseeing the delivery of trip reduction programs and strategies.

TDM Measures: Operational TDM strategies provide ongoing incentives and support for the use of non-auto transportation modes. TDM strategies are most effective for people that commute to and from a site on a regular basis, especially during weekday peak commute periods when transit service peaks and runs most frequently. Thus, the recommended strategies are generally targeted at site employees to reduce single-occupancy vehicular travel. Trip reduction strategies applicable to the proposed project may include, but are not limited to, the following:

a. Implement Alternative Work Schedules
b. Provide New Hire Packets on Transportation Options
c. Implement Subsidized or Discounted Transit Program
d. Provide Carpooling Programs
e. Implement Car-Sharing Program
f. Provide a Transit Riders Guide

g. Provide an Online TDM Information Center
h. Implement Commute Trip Reduction Marketing
i. Increase Bicycle and Pedestrian Facilities/Amenities
j. Free Trial Rides on Transit Services
k. Provide End-of-Trip Bicycle Facilities
l. Pre-tax Commuter Benefits
m. Bicycle Facility Monitoring and Supply
n. Provide a Guaranteed Ride Home Service
o. Implement Shuttle Services
p. Limit and Price Parking

To achieve the required reduction in VMT associated with the General Office Building and Medical Dental Office Building alternatives, an aggressive and robust TDM plan is required. The plan will need to include the limiting and unbundling of on-site parking supply along with above market rate pricing of the available workplace parking. In addition, these alternatives would need to fund and initiate a shuttle service from the site to the Walnut Creek BART station. The shuttle service should provide peak period headways of 30 minutes or lower.

TDM Effectiveness: The TDM Plan shall indicate the estimated Vehicle Trip Reduction (VTR) for each strategy proposed based on published research or guidelines. For TDM measures containing ongoing operational Vehicle Trip Reduction strategies, the plan shall include an ongoing monitoring and enforcement program to ensure the plan is implemented on an ongoing basis during project operation. For Vehicle Trip Reduction strategies involving physical improvements, the project shall obtain the necessary permits/ approvals from the City and install the improvements prior to the completion of the project.

TDM Plan Monitoring: The TDM Plan shall require regular periodic evaluation of the program to determine if the program goals in reducing automobile travel are satisfied and to assess the effectiveness of the various strategies implemented. Site management shall conduct annual travel surveys and driveway counts to monitor the amount of automobile travel generated by the project. The goal of the TDM Plan and programs shall be to reduce the project's daily VMT per worker from 15.4 to 13.1. Based on the results of the surveys, the TDM programs shall be increased if these requirements are not met. Annual travel surveys and driveway counts (TDM program monitoring) shall be conducted for the first five years following project occupancy. The results of the monitoring program and travel surveys shall be submitted to the City for review and approval. If the program VMT

reduction goals are met in the first three years, annual monitoring and surveys shall be suspended. If the program's VMT reduction goals are not satisfied, site management shall prepare and submit for City approval a Corrective Action Plan. The Corrective Action Plan shall detail the additional TDM measures to be implemented on site and their expected travel/mode split reduction. Additional annual travel surveys and driveway counts shall be conducted for the two years following the implementation of the Corrective Action Plan to determine if the program's VMT reduction goals are satisfied.

Significance after Mitigation: Less than Significant with Mitigation – Based on the available evidence the implementation of an aggressive and robust TDM program, with enforcement and monitoring a reduction in VMT at the site can achieve the required 17.5 percent. This level of reduction is necessary to lower the expected daily home-work VMT per employee under the General Office Building and Medical-Dental Office Building alternatives to a degree sufficient to bring it below the relevant standard of significance. On-going enforcement and monitoring are required to ensure that the target VMT is achieved.

Intersection Operations Analysis

Study Area and Analysis Scenarios

The transportation analysis evaluates the weekday morning (7:00 to 9:00 AM) and evening (4:00 to 6:00 PM) peak period operations at the following intersections:

1. Tice Valley Road/Rossmoor Parkway
2. Tice Valley Boulevard/Rolling Hills Drive
3. Tice Valley Boulevard/Olympic Boulevard

Figure 1 also illustrates the locations of the three study intersections with respect to the project site. Peak-hour intersection operations were evaluated for the following scenarios using the Transportation Research Board's *Highway Capacity Manual, 6th Edition* method for vehicles, as calculated by the Synchro 11 software:

- Existing – Based on existing traffic counts

- Existing with Project – Existing traffic counts with traffic expected to be generated by the alternatives.
- Cumulative – Forecasts for the cumulative scenario are based on traffic growth trends as described in the applicable General Plans and supplemented by a check of traffic forecasts for the study area in the 2040 Contra Costa Countywide travel demand model.
- Cumulative with Project – Cumulative forecasts plus traffic expected to be generated by the alternatives.

Figure 2 presents summaries of the existing traffic counts at the three study intersections.

Analysis Methodology

The analysis results include a descriptive term known as level of service. LOS is a measure of traffic operating conditions, which varies from LOS A (indicating free-flow traffic conditions with little or no delay) to LOS F (representing over-saturated conditions where traffic flows exceed design capacity resulting in long queues and delays). These grades represent the perspective of drivers and are an indication of the comfort and convenience associated with driving. The LOS standard for intersections in the study area is LOS D.

Traffic conditions at signalized intersections were evaluated using methods developed by the Transportation Research Board, as documented in the *Highway Capacity Manual, 6th Edition*. This method calculates control delay at an intersection based on inputs such as traffic volumes, lane geometry, signal phasing and timing, pedestrian crossing times, and peak hour factors. Control delay is defined as the delay directly associated with the traffic control device (i.e., a stop sign or a traffic signal) and specifically includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. The relationship between LOS and control delay for signalized intersections is summarized in **Table 3.**

Table 3: Signalized Intersection LOS Criteria

Level of Service	Description	Delay in Seconds
A	Progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.	< 10.0
B	Progression is good, cycle lengths are short, or both. More vehicles stop than with LOS A, causing higher levels of average delay.	> 10.0 to 20.0
C	Higher congestion may result from fair progression, longer cycle lengths, or both. Individual cycle failures may begin to appear at this level, though many still pass through the intersection without stopping.	> 20.0 to 35.0
D	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.	> 35.0 to 55.0
E	This level is considered by many agencies to be the limit of acceptable delay. These high delay values generally indicate poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences.	> 55.0 to 80.0
F	This level is considered unacceptable with oversaturation, which is when arrival flow rates exceed the capacity of the intersection. This level may also occur at high V/C ratios below 1.0 with many individual cycle failures. Poor progression and long cycle lengths may also be contributing factors to such delay levels.	> 80.0

Source: *Highway Capacity Manual, 2010.*

Project Trip Generation

The number of vehicle trips that would be generated by the proposed land use alternatives were estimated through a trip generation analysis. Anticipated trip generation rates associated with the proposed land uses were taken from the Institute of Transportation Engineers (ITE) *Trip Generation, 11th Edition* reference. This manual is a national compilation of trip generation statistics for land-uses of various sizes and types. **Table 4** presents the results of the trip generation analysis performed. The development sizes listed in **Table 4** represent the maximum limits analyzed in this study; any proposed development exceeding these sizes will necessitate additional analysis.

With the proposed rezoning and six alternatives, a range of potential uses could be developed on the site. For the restaurant alternative, four use types were considered within the trip generation

assessment – fine dining (25%), fast food restaurant without drive through (25%), fast casual (25%) and high-turnover sit down (25%). The bank alternative is evaluated using 10,000 square feet of bank and 19,450 square feet of general office space recognizing that few retail banks are as large total square footage that could be developed on the site.

The analysis accounts for pass-by trips for certain alternatives. A "pass-by" trip is made by a motorist already on the adjacent street while in route to a different primary destination. Pass-by trips do not add traffic to the adjacent streets but contribute trips to the driveways serving the siter. Pass-by trip percentages are based on data from the ITE *Trip Generation Manual, 11th Edition and ITE Trip Generation Handbook, 3rd Edition.*

Table 4: Weekday Project Vehicle Trip Generation

Land Use	Size[1]	Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips		
			Total	In	Out	Total	In	Out
Restaurant Alternative[2]								
Fine Dining	7.36	617	5	3	2	57	38	19
Fast-Food Restaurant without Drive Through	7.36	3,317	318	184	134	245	123	122
Fast Casual Restaurant	7.36	715	11	6	5	92	51	41
High-Turnover (Sit-Down) Restaurant	7.36	789	70	39	31	67	41	26
Subtotal	*29.45*	*5,438*	*404*	*232*	*172*	*461*	*253*	*208*
Pass-By		*(2,272)*	*(191)*	*(110)*	*(81)*	*(191)*	*(101)*	*(92)*
Restaurant Net New Trips		**3,166**	**213**	**122**	**91**	**270**	**152**	**118**
General Office Building Alternative								
General Office Building	**29.45**	**319**	**45**	**40**	**5**	**42**	**7**	**35**
Medical-Dental Office Building Alternative								
Medical-Dental Office Building	**29.45**	**1,060**	**91**	**72**	**19**	**116**	**35**	**81**
Bank Alternative								
Drive-in Bank	10	1,004	100	58	42	210	105	105

General Office Building	19.45	211	30	26	4	28	5	23
Bank (total)	*29.45*	*1,215*	*130*	*84*	*46*	*238*	*110*	*128*
Bank (pass by)		*(321)*	*(29)*	*(17)*	*(12)*	*(74)*	*(37)*	*(37)*
Bank (net new)		**894**	**101**	**67**	**34**	**165**	**73**	**92**
Retail Alternative								
Retail (Strip Retail Plaza)	*29.45*	*1,604*	*70*	*42*	*28*	*194*	*97*	*97*
Retail (pass by)		*(545)*	*(24)*	*(14)*	*(10)*	*(66)*	*(33)*	*(33)*
Retail (net new)		**1,058**	**46**	**28**	**18**	**128**	**64**	**64**
Residential Alternative								
Residential (Affordable Housing)	**13 units**	**63**	**7**	**2**	**5**	**6**	**4**	**2**

Notes:

1. The sizes represent the maximum limits analyzed in this study; any proposed development exceeding these sizes will necessitate additional analysis.
2. For the restaurant land use, the analysis assumes each type at 7,360 square feet and any proposed uses that exceed these amounts may require additional study.

Source: Institute of Transportation Engineers Trip Generation Manual, 11th Edition. ITE Trip Generation Handbook, 3rd Edition, ITE Land Use Codes as follows: Fine Dining – 931, Fast Food Restaurant Without Drive Through – 933, Fast Casual Restaurant – 930, High-Turnover Sit Down Restaurant – 932, General Office Building – 810, Medical Dental Office Building – 720, Drive In Bank – 912, Strip Retail Plaza – 822, Affordable Housing – 223.

As presented in Table 4, the six alternatives under consideration would have widely varying trip generation implications. This would range from 3,166 net new weekday daily trips under the restaurant option to 63 daily trips under the residential option.

Project Trip Distribution

Project trip distribution refers to the directions of approach and departure that vehicles would take to access and leave the site. Estimates of regional project trip distribution were developed based on existing travel patterns in the area, a select zone analysis using the CCTA travel demand model, and the location of complementary land uses. **Figure 3** illustrates the anticipated directions of approach and departure for project related vehicle trips. Sixty-three percent of project-related traffic is expected to arrive and depart to the north of the project site, with 10 percent taking Boulevard Way and 15 and 38 percent taking eastbound and westbound Olympic Boulevard, respectively. Thirty-five percent of project-related traffic is expected to arrive and depart to the south of the project site, with 15 percent taking Rossmoor Parkway and 20 percent taking Tice

Valley Boulevard. The trip distribution characteristics of each of the potential uses were found to be similar within the CCTA model's forecasts, thus the same distribution pattern was used for each of the alternatives.

Using the trip distribution pattern presented in Figure 4 and the trip generation calculations summarized in Table 4, project trips were assigned to the local study network. **Figure 4** presents the project trip assignment at the three study intersections and **Figure 5** presents the resulting volumes for the Existing Plus Project scenarios.

Existing and Existing Plus Project Conditions

Table 5 presents the results of the weekday morning and evening peak hour Existing and Existing plus Project intersection level of service analysis at the three study intersections. As previously discussed, this analysis is based on the methodologies of the Transportation Research Board's *6th Edition* of the *Highway Capacity Manual*, using the Synchro 11 software. The existing conditions analysis incorporates existing signal timing, phasing, and control. Historical observed peak hour factors by intersection approach were incorporated from previous traffic counts.

As presented in Table 5, the traffic associated with the proposed project would result in minor increases in delay at the three study intersections. All intersections would continue to operate at acceptable levels of service with the addition of project-related traffic.

Table 5: Existing Conditions AM and PM Peak Hour Intersection Delay / LOS

Intersection	Control	Peak Hour	Delay / LOS[1]						
			Existing	Existing Plus Project					
				Bank	General Office	Medical Office	Residential	Restaurant	Retail
Tice Valley Blvd /Rossmoor Blvd	Signal	AM PM	18.3 / B 20.4 / C	19.5 / B 21.7 / C	18.9 / B 20.6 / C	19.4 / B 21.1 / C	18.4 / B 20.5 / C	20.7 / C 23.0 / C	18.9 / B 21.5 / C
Tice Valley Blvd /Rolling Hills Dr	Signal	AM PM	5.5 / A 6.3 / A	5.5 / A 6.3 / A	5.5 / A 6.3 / A	5.5 / A 6.3 / A	5.5 / A 6.3 / A	5.5 / A 6.2 / A	5.5 / A 6.3 / A
Tice Valley Blvd/Olympic Blvd	Signal	AM PM	18.0 / B 21.7 / C	18.3 / B 22.5 / C	18.1 / B 21.9 / C	18.2 / B 22.2 / C	18.0 / B 21.7 / C	18.5 / B 23.3 / C	18.1 / B 22.4 / C

Notes:
1. Delay (seconds per vehicle) / Level of Service
Source: Fehr & Peers, 2025

Cumulative and Cumulative Plus Project Conditions

Cumulative forecasts for the study intersections were developed using the CCTA travel demand model. The model forecasts future traffic volumes in the area for the year 2040, assuming buildout of the County and local City general plans. To develop traffic volumes for the Cumulative plus Project condition, traffic associated with the project, as illustrated in Figure 5, was added to the Cumulative baseline scenario. **Figure 6** illustrates Cumulative baseline traffic volumes and **Figure 7** illustrates Cumulative plus Project traffic volumes. **Table 6** illustrates the results of the Cumulative and Cumulative plus Project intersection level of service analysis.

As presented in Table 6, the traffic associated with the proposed project would result in minor increases in delay at the three study intersections in the Cumulative scenarios. All intersections would continue to operate at acceptable levels of service with the addition of project-related traffic.

Table 6: Cumulative Conditions AM and PM Peak Hour Intersection Delay / LOS

Intersection	Control	Peak Hour	Delay / LOS[1]						
			Cumula-tive	Cumulative Plus Project					
				Bank	General Office	Medical Office	Residential	Restaurant	Retail
Tice Valley Blvd /Rossmoor Blvd	Signal	AM PM	18.8 / B 21.2 / C	22.0 / C 22.4 / C	19.4 / B 21.3 / C	20.0 / B 21.8 / C	18.9 / B 21.1 / C	21.3 / C 23.8 / C	19.4 / B 22.2 / C
Tice Valley Blvd /Rolling Hills Dr	Signal	AM PM	6.0 / A 6.3 / A	6.0 / A 6.3 / A	6.0 / A 6.3 / A	6.0 / A 6.3 / A	6.0 / A 6.3 / A	6.0 / A 6.3 / A	6.0 / A 6.3 / A
Tice Valley Blvd/Olympic Blvd	Signal	AM PM	20.5 / C 25.2 / C	20.8 / C 26.2 / C	20.6 / C 25.4 / C	20.8 / C 25.8 / C	20.5 / C 25.2 / C	21.2 / B 27.1 / C	20.7 / C 26.0 / C

Notes:
1. Delay (seconds per vehicle) / Level of Service
Source: Fehr & Peers, 2025

As illustrated in Tables 5 and 6, the project is not anticipated to have a detrimental effect on the three study intersections.

Collisions Summary and Analysis

Statewide Integrated Traffic Records System (SWITRS) collision data for the study intersections are summarized in the tables below for the years 2013-2022. The collisions by type are summarized in

Table 7; collisions by severity are summarized in **Table 8**; and collisions by primary collision factor are summarized in **Table 9**.

As shown in Table 7, there were a total of 26 collision records at the study intersections over the years evaluated. The intersection at Tice Valley Boulevard and Rossmoor Boulevard had nine collisions, including one bike-involved collision with moderate severity and one fatal vehicle collision. The intersection at Tice Valley Boulevard and Rolling Hills Drive had 10 collisions. The intersection at Tice Valley Boulevard and Olympic Boulevard had seven collisions.

The three primary collision factors with the highest number of collisions were "Unsafe Speed" and "Traffic Signals/Signs", as shown in Table 9. Collisions resulting from "Traffic Signals/Signs" occurred mainly at the intersection of Tice Valley Boulevard and Rossmoor Boulevard, and the intersection of Tice Valley Boulevard and Rolling Hills Drive. Collisions resulting from "Unsafe Speed" occurred at all three study intersections.

The top two primary collision factors were related to driver behavior. The collision data did not reveal collision trends due to inadequate infrastructure or design issues. Study intersection traffic signals are relatively new and have good visibility and modern infrastructure.

Table 10 presents a summary of the predicted collision frequencies at the study intersections versus the actual observed collision rates. Predicted collision frequencies were calculated at the three study intersections using the methodology of the Highway Safety Manual (AASHTO 2010). This reference provides a methodology to predict the number of collisions for intersections and street segments based on roadway and intersection characteristics, such as vehicle and pedestrian volumes, number of lanes, signal phasing, on-street parking, and number of driveways. As presented in Table 10, the three study intersections have actual collision frequencies less than or equivalent to their predicted values. This is an indication that they are relatively safe compared to similar facilities nationwide.

Table 7: Collisions by Type

Intersection	Control	Crash Type								Total
		Head-On	Side-swipe	Rear End	Broad-side	Hit Object	Over-turned	Ped	Bike	
Tice Valley Blvd /Rossmoor Blvd	Signalized	0	1	2	4	1	0	0	1	9
Tice Valley Blvd /Rolling Hills Dr	Signalized	0	1	4	5	0	0	0	0	10
Tice Valley Blvd/Olympic Blvd	Signalized	0	2	3	1	0	1	0	0	7
Total		**0**	**4**	**9**	**10**	**1**	**1**	**0**	**1**	**26**

Source: SWITRS, Fehr & Peers, 2025.

Table 8: Collisions by Severity

Intersection	All Collisions Severity					Bike/Ped Collisions Severity					Auto Collisions Severity				
	Fatal	Severe	Moderate	Minor	PDO	Fatal	Severe	Moderate	Minor	PDO	Fatal	Severe	Moderate	Minor	PDO
Tice Valley Blvd /Rossmoor Blvd	1	0	3	5	0	0	0	1	0	0	1	0	2	5	0
Tice Valley Blvd /Rolling Hills Dr	0	0	4	6	0	0	0	0	0	0	0	0	4	6	0
Tice Valley Blvd/Olympic Blvd	0	0	2	5	0	0	0	0	0	0	0	0	2	5	0
Total	**1**	**0**	**9**	**16**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**8**	**16**	**0**

PDO = Property Damage Only, Source: SWITRS, Fehr & Peers, 2025

Table 9: Collisions by Primary Collision Factor

Intersection	Primary Collision Factor										
	DUI	Unsafe Speed	Following Too Closely	Wrong Side of the Road	Unsafe Lane Change	Improper Turning	Auto Right of Way	Ped Right of Way	Traffic Signals/ Signs	Unsafe Starting/ Backing	Not Stated
Tice Valley Blvd /Rossmoor Blvd	0	3	0	1	0	0	3	0	2	0	0
Tice Valley Blvd /Rolling Hills Dr	1	2	0	1	0	0	0	0	4	1	1
Tice Valley Blvd/Olympic Blvd	1	3	1	0	2	0	0	0	0	0	0
Total	**2**	**8**	**1**	**2**	**2**	**0**	**3**	**0**	**6**	**1**	**1**

DUI = Driving Under the Influence, Source: SWITRS, Fehr & Peers, 2025.

Table 10: Predicted Collision Frequencies versus Actual

Intersection	Type[1]	AADT[2] (major)	AADT[2] (minor)	Total Collisions (Actual)[3]	Collisions per year (Actual)	Predicted Collision Frequency	Difference[4]
Tice Valley Blvd /Rossmoor Blvd	Signal	10,140	9,870	9	0.9	1.2	-0.3
Tice Valley Blvd /Rolling Hills Dr	Signal	16,150	1,150	10	1	1.1	-0.1
Tice Valley Blvd/Olympic Blvd	Signal	15,600	9,390	7	0.7	1.9	-1.2

Notes:
1. 4SG = 4 leg signalized intersection; 4ST = 4 leg unsignalized intersection
2. Average annual daily traffic (AADT) was estimated using the existing PM peak hour counts collected in 2019 multiplied by ten.
3. Collision data obtained from SWITRS for the three intersections between 2013 and 2017.
4. Negative values indicate that the actual collision frequency is less than the predicted collision frequency for a typical intersection with similar attributes. Positive values indicate that the actual collision frequency is greater than the predicted collision frequency for a typical intersection with similar attributes.

Source: SWITRS, Fehr & Peers, 2025.

Large Intersections with Slip Lanes

The three study intersections can be characterized as "Large Intersections with Slip Lanes" as described in the City of Walnut Creek's *Local Roadway Safety Plan* (A Path to Vision Zero, July 2023). These intersections normally occur on major and minor arterials. They are characterized by the presence of slip lanes that allow right turns, as well as fast-moving traffic along wide roadways, long pedestrian crossing distances, and missing crosswalk legs in some instances. All of these are risk factors that contribute to these intersections being the sites of a significant share of injury and fatality collisions citywide. The LSRP identifies several potential engineering countermeasures that aim to slow traffic moving through the intersections and add redundancy to make the design more forgiving for all users.

The intersection of Rossmoor Parkway and Tice Valley Boulevard directly adjacent to the project site has slip lanes in all four quadrants. As detailed in the LRSP, the presence of these features contributes to potential safety issues and results in an environment which is generally not welcoming to pedestrians. For the land use alternatives that generate more than 200 daily vehicle trips, the following improvement measure is recommended:

> ***Improvement Measure #1*** – Implement Slip Lane Engineering Countermeasures at the Rossmoor Parkway and Tice Valley Boulevard Intersection. Identify and fund the implementation of engineering countermeasures at this location consistent with the recommendations of the LSRP. Appropriate countermeasures at the intersection would include slip lane closure, curb extensions and/or raised crosswalks. The proposed project should provide proportional funding towards the implementation of this improvement at the intersection. As the project site occupies a full corner of the intersection, its proportional share of the improvement would be twenty-five percent of the entire intersection, or the full implementation of the measure in the intersection's northeast corner (abutting the project site). This improvement would not apply to the affordable housing alternative as the trip generation for that option is below the 200 daily vehicle threshold.

Emergency Vehicle Access

Several factors determine whether a site has sufficient access for emergency vehicles, including the following:

- Number of access points (both public and emergency access only)

- Width of access points
- Width of internal roadways

The site has adequate emergency vehicle access. The proposed rezoning would not result in the provision of unsafe or inadequate emergency vehicle access.

Pedestrian Facilities

The project would create a significant impact related to the pedestrian system if any of the following criteria are met:

- Disrupt existing pedestrian facilities; or
- Interfere with planned pedestrian facilities; or
- Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

The proposed rezoning would not disrupt or interfere with any pedestrian facilities. It would not create any inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

Bicycle Facilities

The project would create a significant impact related to the bicycle system if any of the following criteria are met:

- Disrupt existing bicycle facilities; or
- Interfere with planned bicycle facilities; or
- Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

The proposed rezoning would not disrupt or interfere with any bicycle facilities. It would not create any inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

Transit Facilities

The project would create a significant impact related to transit service if the following criteria are met:

- The project interferes with existing transit facilities or precludes the construction of planned transit facilities.

The proposed rezoning would not interfere with any transit facilities, nor would it preclude the construction of planned transit facilities.

Summary

Based on the established significance threshold for VMT, the General Office Building and Medical Dental Office Building alternatives are expected to result in a significant adverse impact relative to VMT. If either the General Office Building or Medical Dental Office Building alternatives are pursued, a detailed VMT assessment should be performed for the project specific proposal. Based on this study's assessment it is expected that the project will result in a significant impact related to VMT.

The development and implementation of a robust TDM Plan is identified as a mitigation measure for the alternatives' identified impacts. Given the deviation from the relevant threshold, a 17.5 percent reduction in daily home-work VMT per employee is necessary. To achieve this level of reduction, the TDM Plan would need to include limited on-site parking supply, the pricing of workplace parking, the provision of shuttle service to the Walnut Creek BART Station and other measures. Annual monitoring and adjustments of the TDM Plan and measures should be implemented to ensure the required reductions in VMT are achieved. If the monitoring finds that the site's daily home-work VMT per employee is not sufficiently reduced, additional TDM measures should be identified and employed. With this implementation of the TDM Plan and monitoring measures, the impact is considered less than significant with mitigation. The Restaurant, Retail, Bank, and Residential alternatives were not found to result in impacts related to VMT.

The effects of the addition of traffic generated by the various alternatives were evaluated based on the assessment of LOS at three nearby intersections. The six alternatives under consideration would have widely varying trip generations, ranging from 3,166 net new weekday daily trips under the restaurant alternative to 63 daily trips under the residential alternative.

Impacts related to emergency vehicle access, safety/hazards, transit facilities, pedestrian facilities or bicycle facilities were not identified under any of the six land use alternatives evaluated.

The intersection of Rossmoor Parkway and Tice Valley Boulevard directly adjacent to the project site has slip lanes in all four quadrants. The presence of slip lanes contributes to potential safety issues and results in an environment which is generally not welcoming to pedestrians. For the land use alternatives that generate more than 200 daily vehicle trips, the following improvement measure is recommended:

Improvement Measure #1 – Implement Slip Lane Engineering Countermeasures at the Rossmoor Parkway and Tice Valley Boulevard Intersection. Identify and fund the implementation of engineering countermeasures at this location consistent with the recommendations of the LSRP. Appropriate countermeasures at the intersection would include slip lane closure, curb extensions and/or raised crosswalks. The proposed project should provide proportional funding towards the implementation of this improvement at the intersection. As the project site occupies a full corner of the intersection, its proportional share of the improvement would be twenty-five percent of the entire intersection, or the full implementation of the measure in the intersection's southwest corner (abutting the project site). This improvement would not apply to the affordable housing alternative as the trip generation for that option is below the 200 daily vehicle threshold.

Please do not hesitate to call Bill Burton at (925) 930-7100 if you have any questions regarding this transportation assessment.

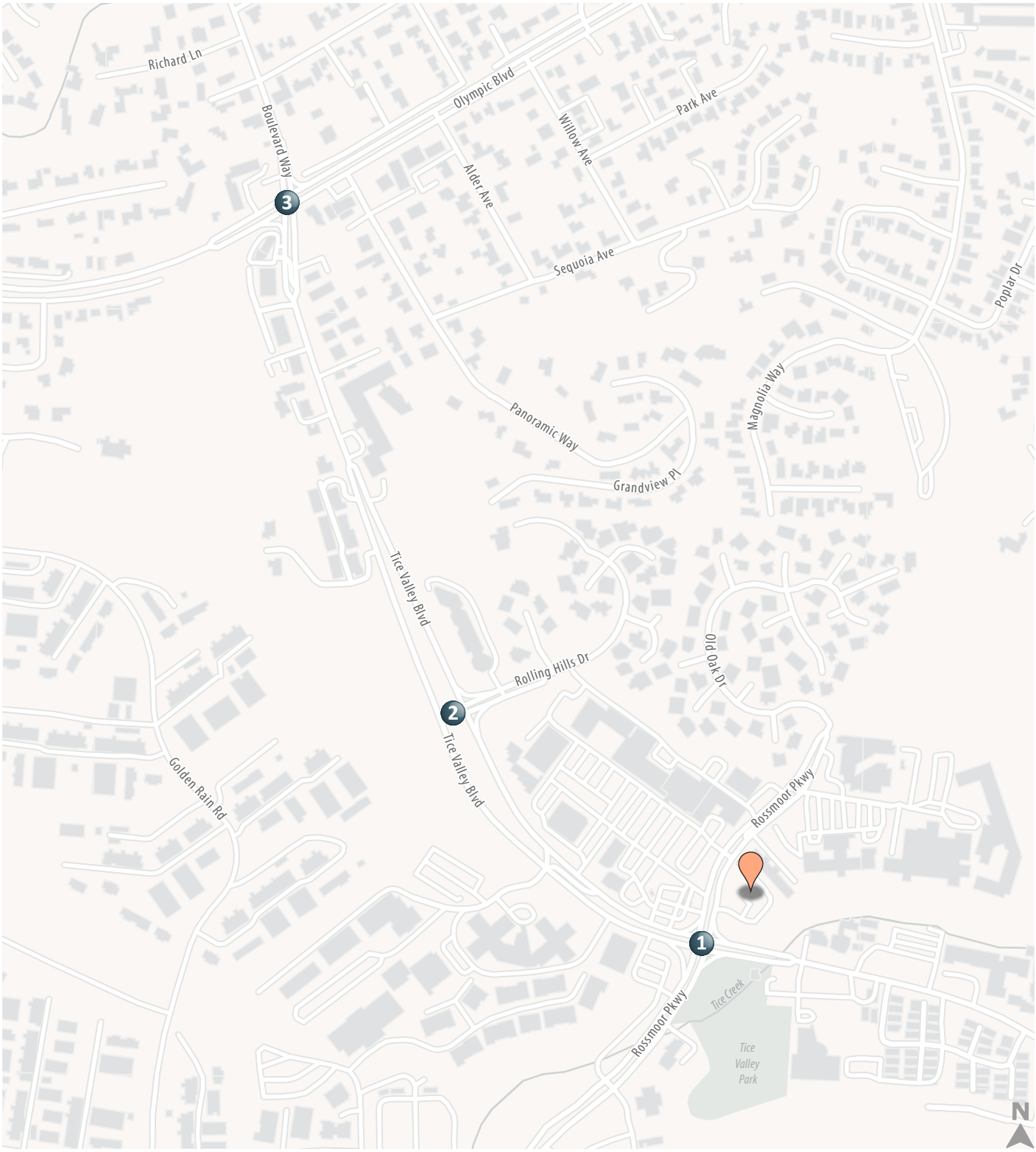
Attachments

Figures

Figure 1 Study Area
Figure 2 Existing Conditions Volumes
Figure 3 Project Trip Distribution
Figure 4 Project Trip Assignment
Figure 5 Existing Plus Project Conditions Volumes
Figure 6 Cumulative No Project Conditions Volumes
Figure 7 Cumulative Plus Project Conditions Volumes

Technical Appendix

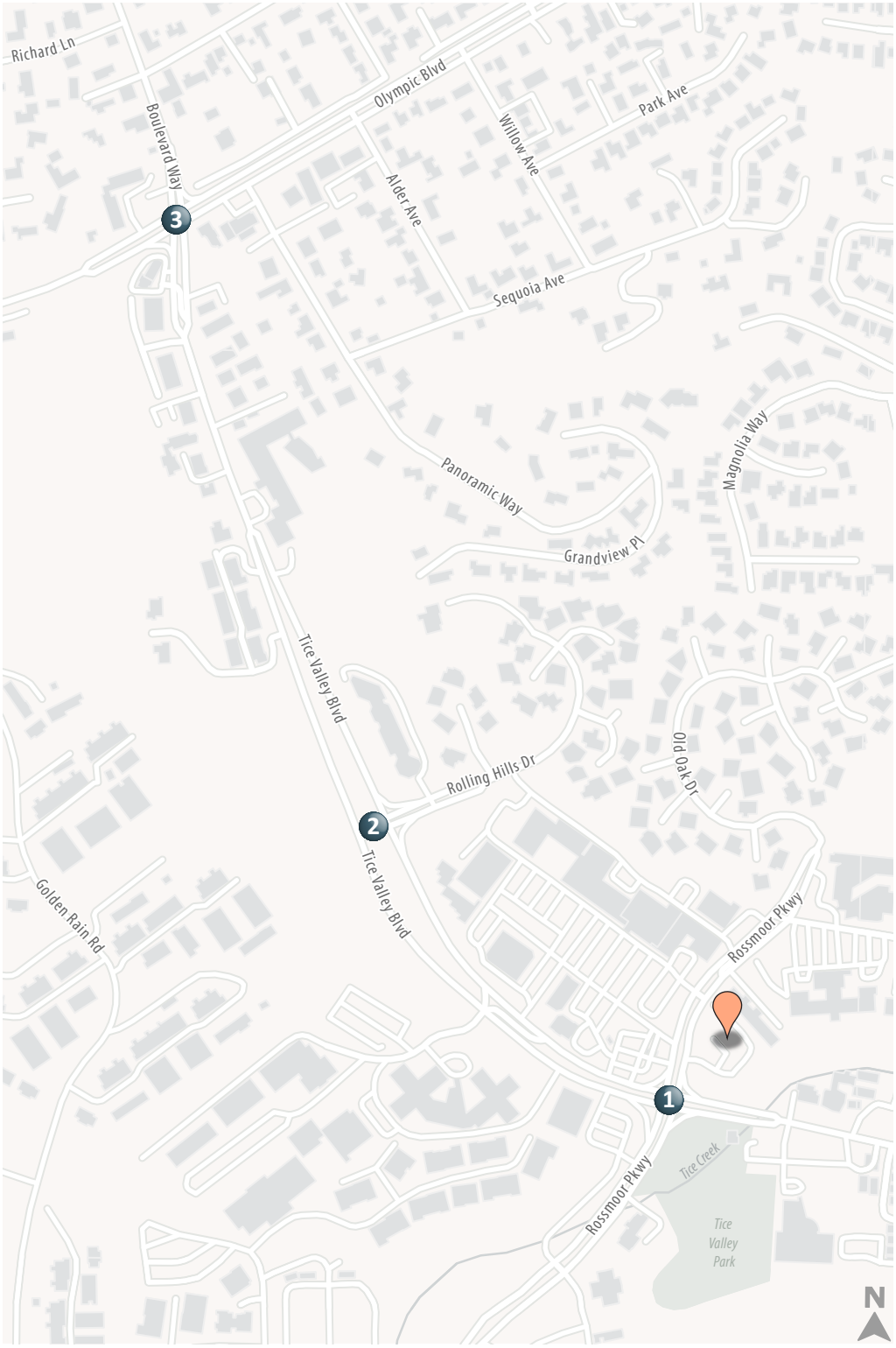
Attachment A Traffic Count Worksheets
Attachment B Intersection LOS Worksheets

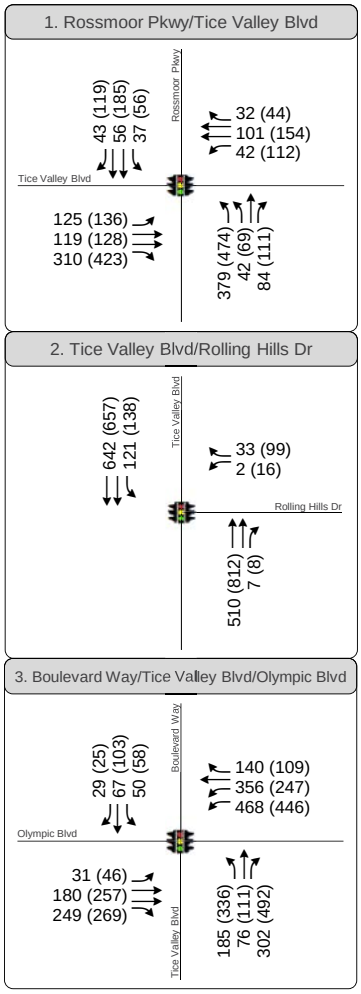


Project Site # Study Intersection

Figure 1

Project Study Area





XX (YY) AM (PM) Peak Hour Traffic Volumes

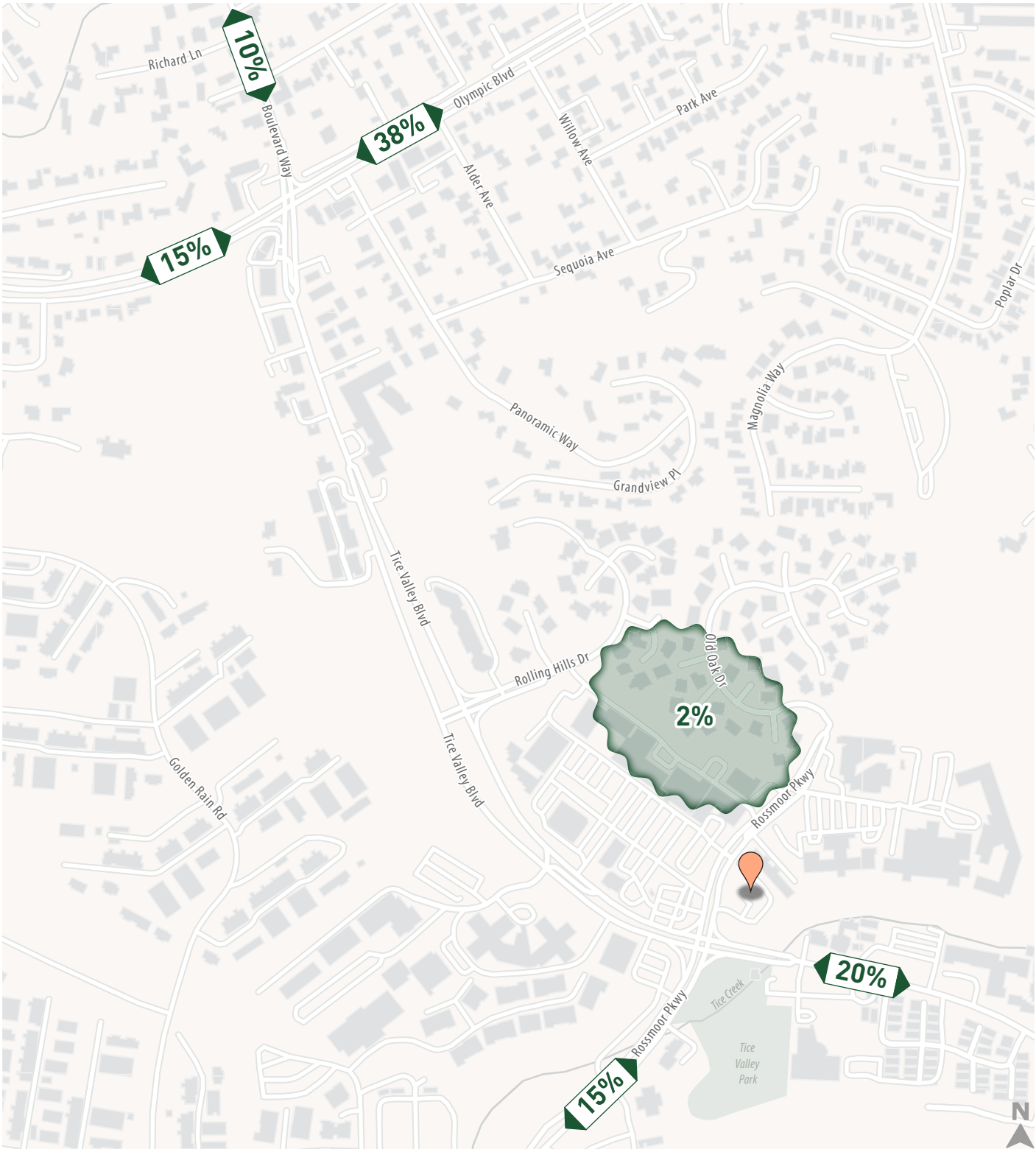
Signalized Intersection

Project Site

Study Intersection

Figure 2

Existing Conditions Peak Hour Intersection Traffic Volumes, Lane Configurations and Traffic Control

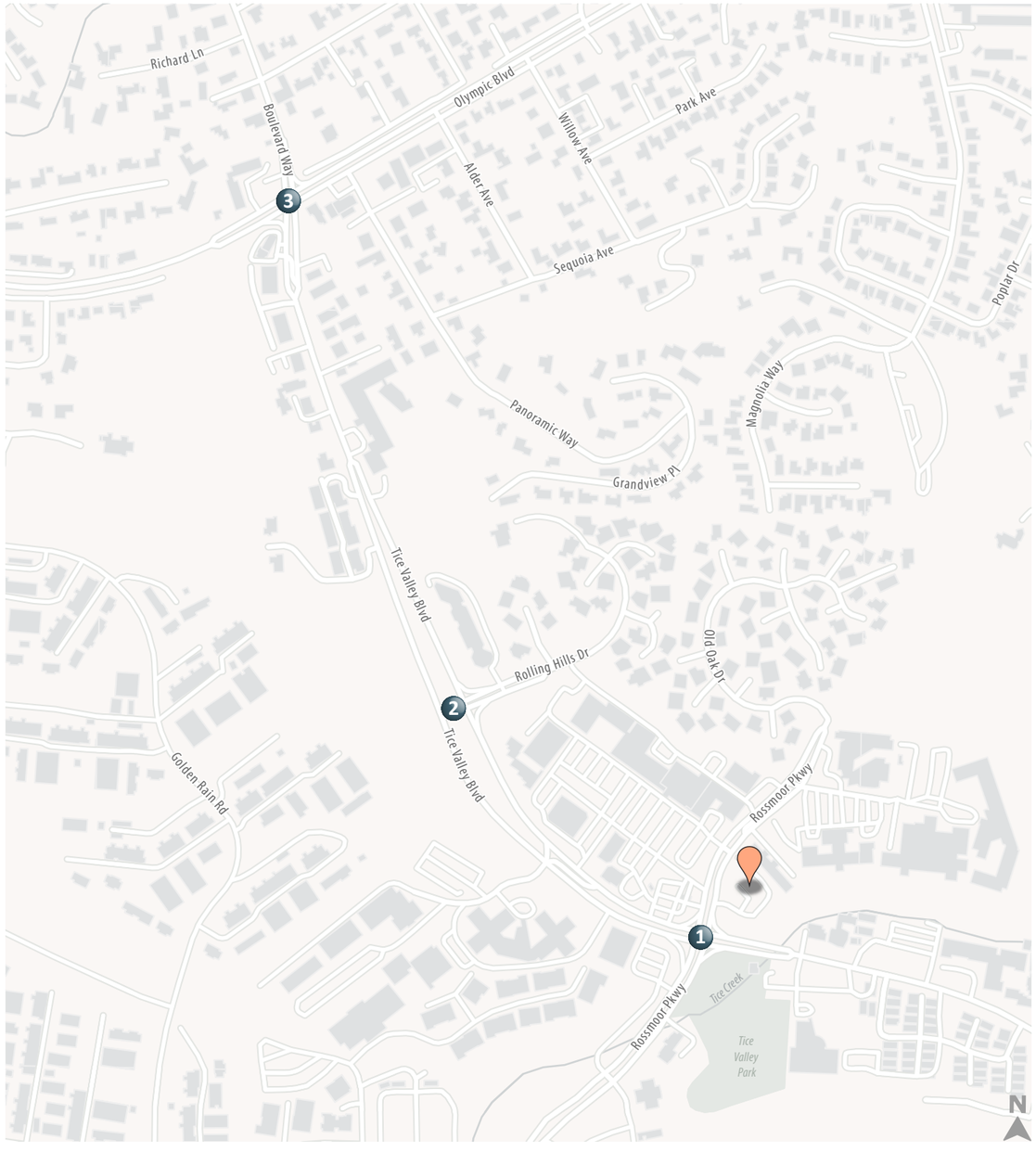


Project Site

XX% Project Trip Distribution

Figure 3

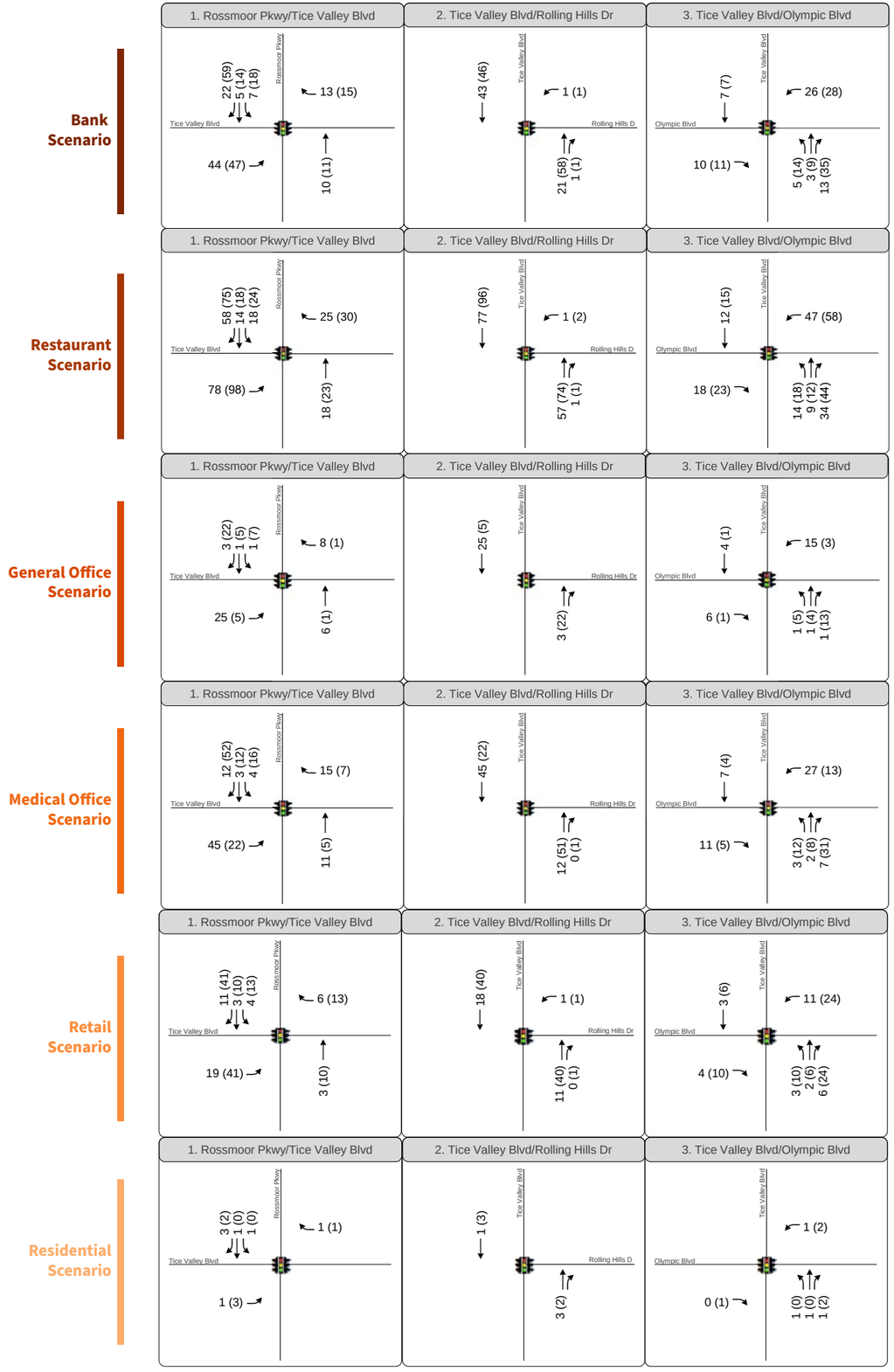
Project Trip Distribution

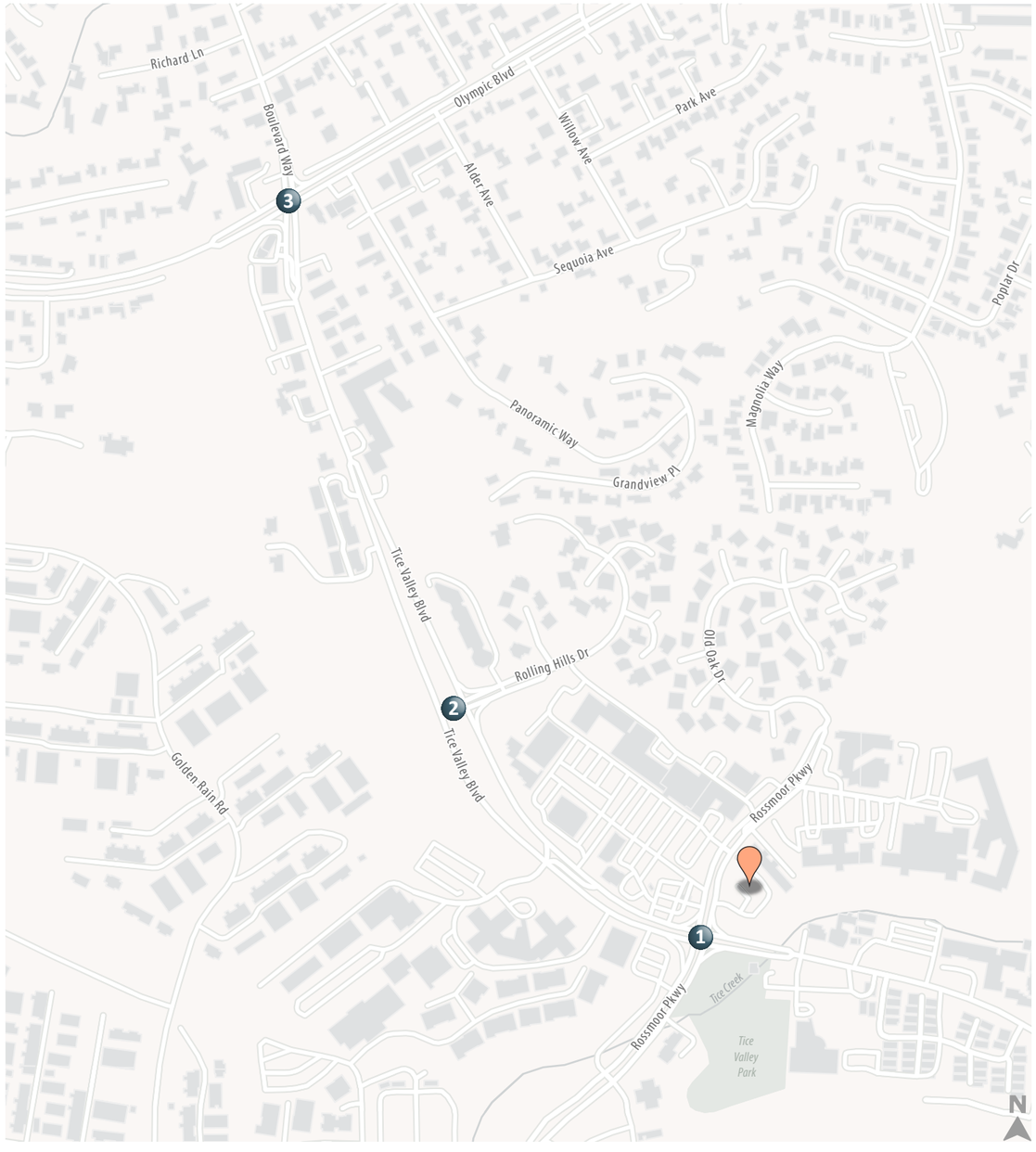


XX (YY) AM (PM) Peak Hour Traffic Volumes | Signalized Intersection | Project Site | # Study Intersection

Figure 4

Project Trip Assignment

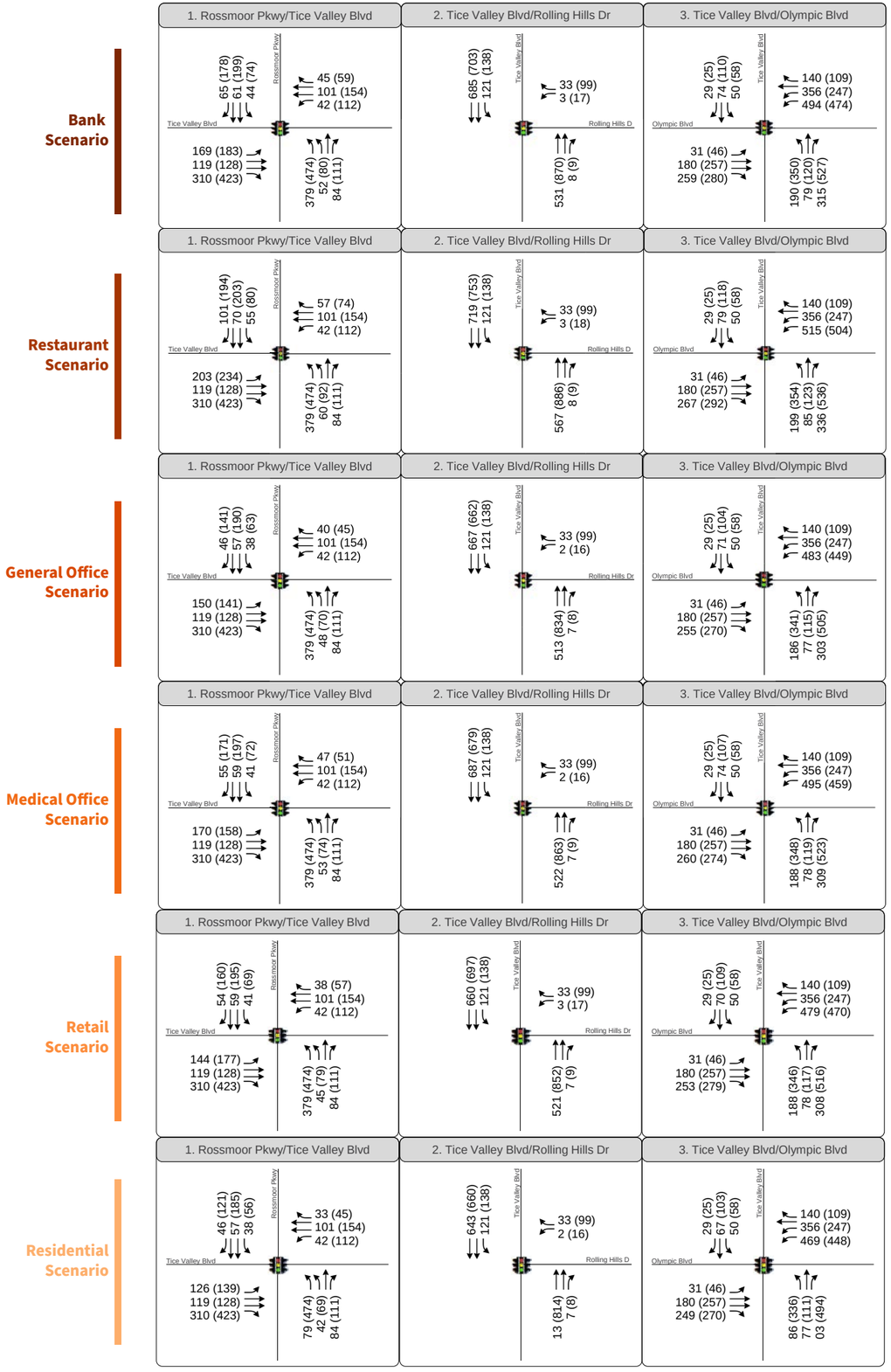


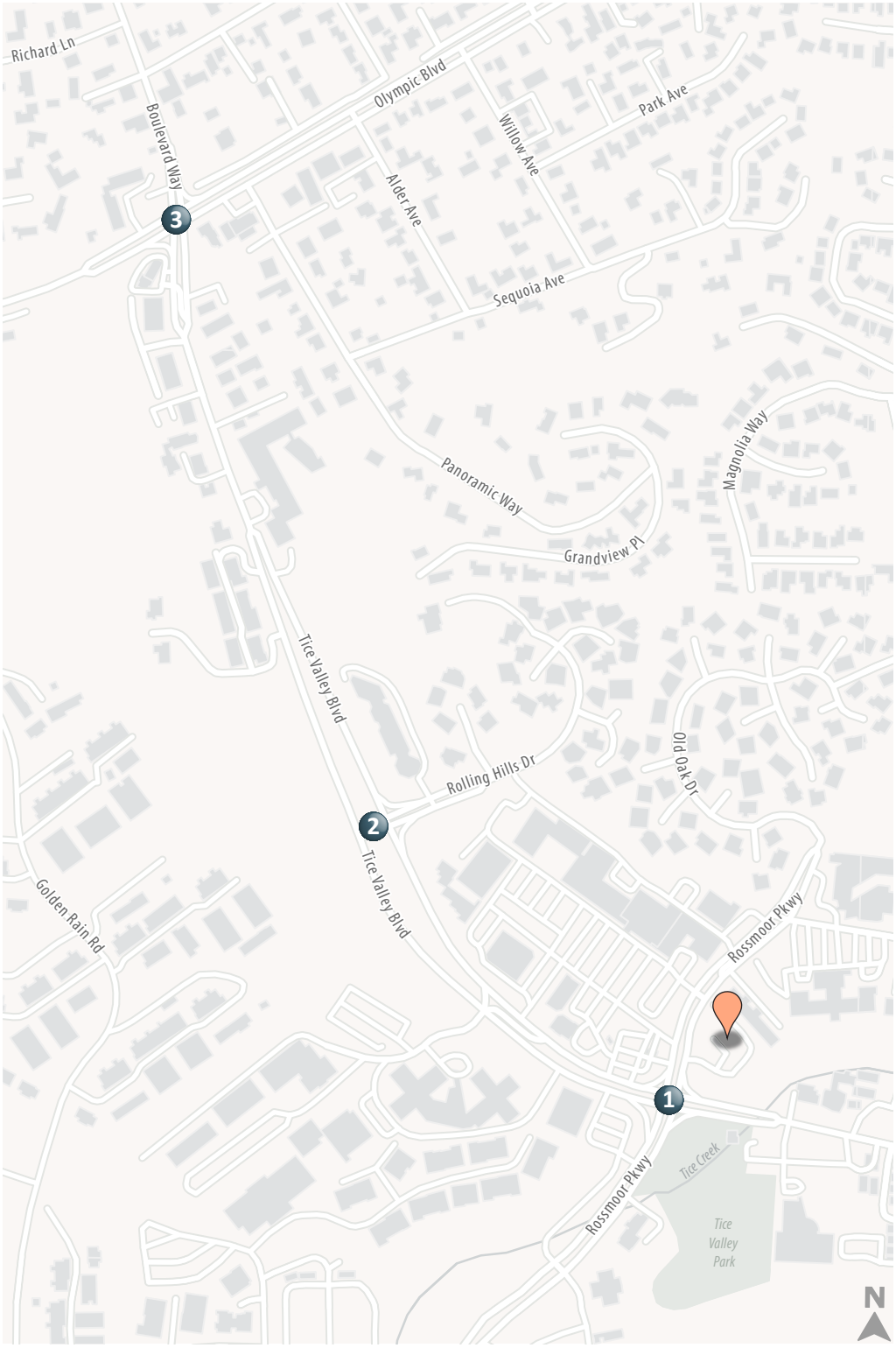


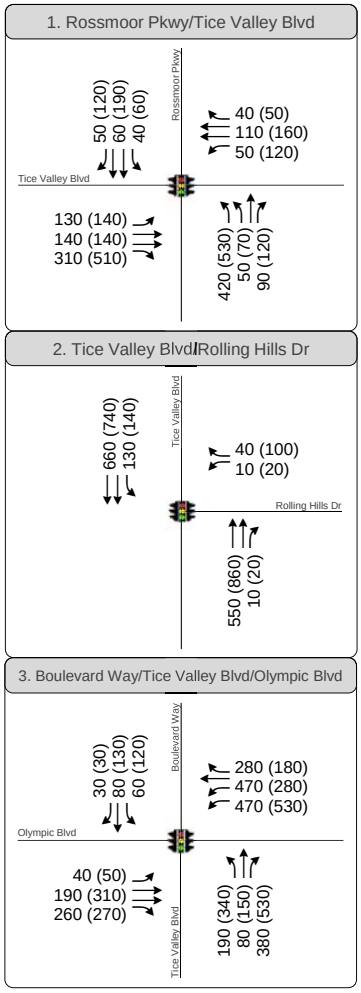
XX (YY) AM (PM) Peak Hour Traffic Volumes | Signalized Intersection | Project Site | # Study Intersection

Figure 5

Existing Plus Project Conditions Peak Hour Intersection Traffic Volumes, Lane Configurations and Traffic Control







XX (YY) AM (PM) Peak Hour Traffic Volumes

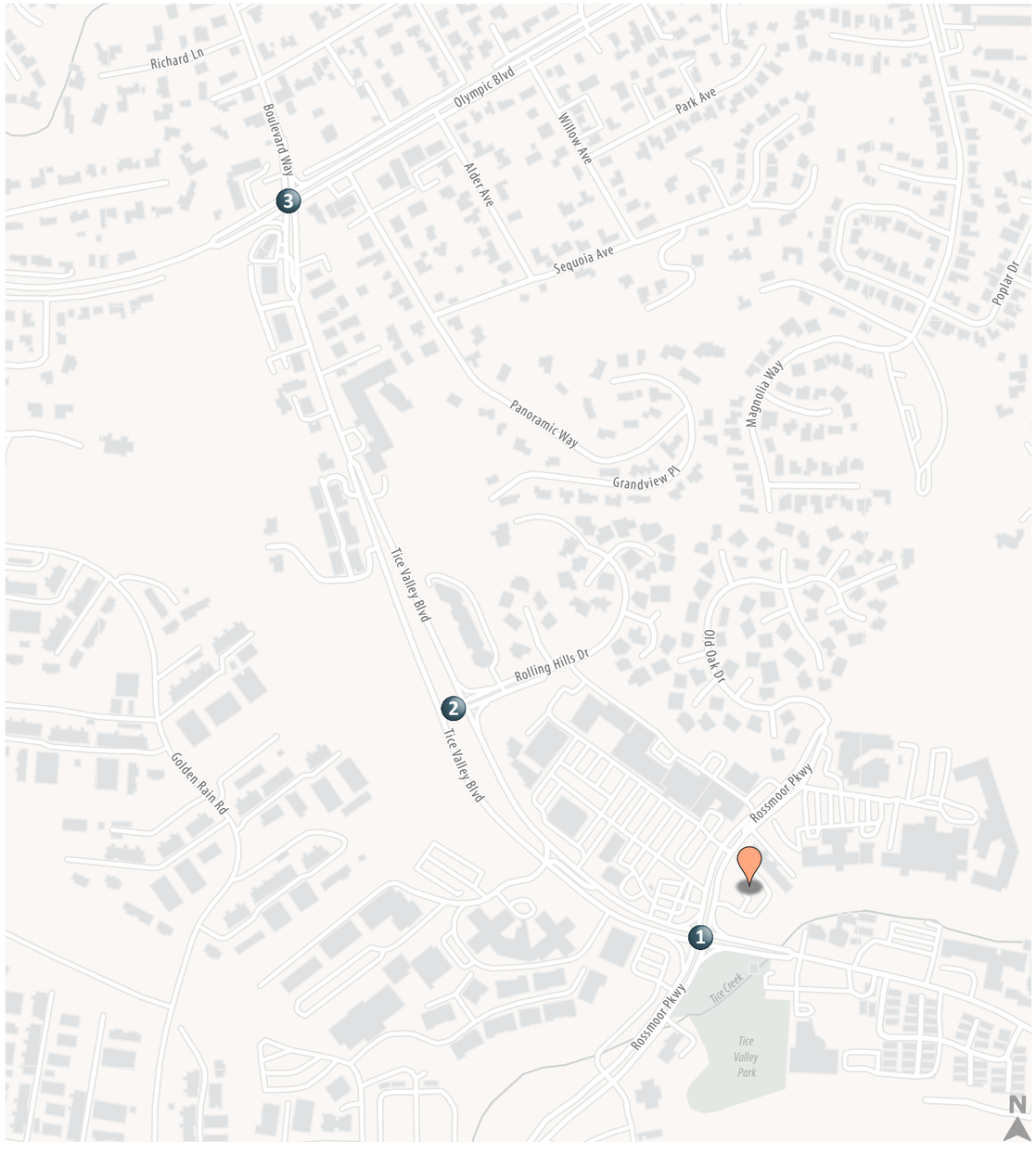
Signalized Intersection

Project Site

Study Intersection

Figure 6

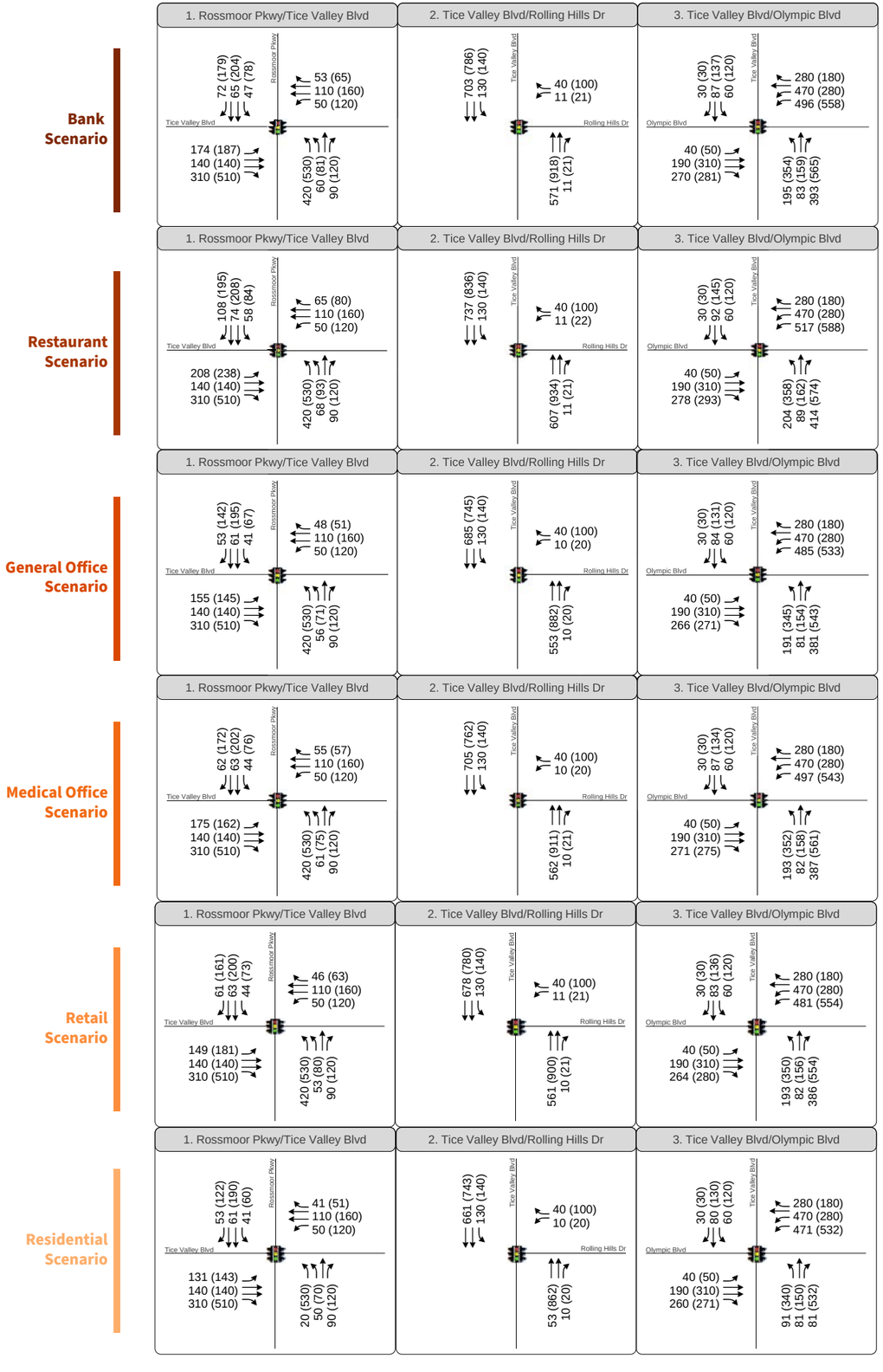
Cumulative without Project Conditions Peak Hour Intersection Traffic Volumes, Lane Configurations and Traffic Control



XX (YY) AM (PM) Peak Hour Traffic Volumes | Signalized Intersection | Project Site | # Study Intersection

Figure 7

Cumulative Plus Project Conditions Peak Hour Intersection Traffic Volumes, Lane Configurations and Traffic Control



Prepared by National Data & Surveying Services

Rossmoor Pkwy & Tice Valley Blvd

Peak Hour Turning Movement Count

ID: 24-080068-001
City: Walnut Creek

Day: Thursday
Date: 3/21/2024

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 05:00 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

CONTROL: Signalized

	AM	NOON	PM
TEV	1353	0	2011
PHF	0.81		0.93

SOUTHBOUND (Rossmoor Pkwy)

	Left	Thru	Right	U-turn	Total
AM	43	56	37	0	197
NOON	0	0	0	0	0
PM	119	185	56	0	249

EASTBOUND (Tice Valley Blvd)

	Left	Thru	Right	U-turn	Total
AM	525	0	747		1272
NOON	0	0	0		0
PM	310	0	423	1	734

	Left	Thru	Right	U-turn
AM	2	0	0	0
NOON	123	0	136	1
PM	101	0	128	2

WESTBOUND (Tice Valley Blvd)

	Left	Thru	Right	U-turn	Total
AM	44	0	32		76
NOON	154	0	101		255
PM	112	0	42	0	154

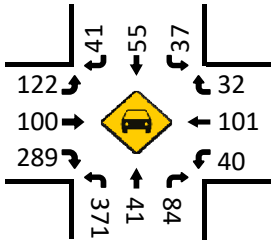
	Left	Thru	Right	U-turn
AM	0	0	1	
NOON	295	0	223	
PM	720	0	474	69	111

NORTHBOUND (Rossmoor Pkwy)

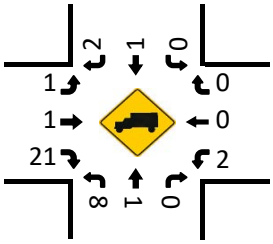
	Left	Thru	Right	U-turn	Total
AM	408	0	379	42	84	913
NOON	0	0	0	0	0	0
PM	720	0	474	69	111	1374

	Left	Thru	Right	U-turn
AM	0	2	1	1

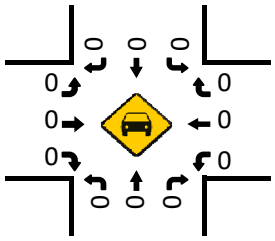
Cars (AM)



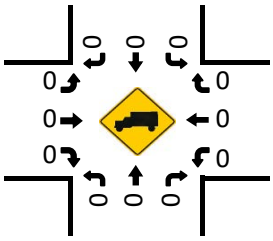
HT (AM)



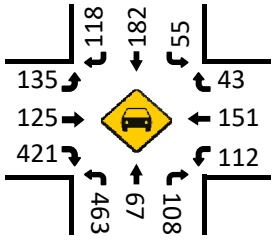
Cars (NOON)



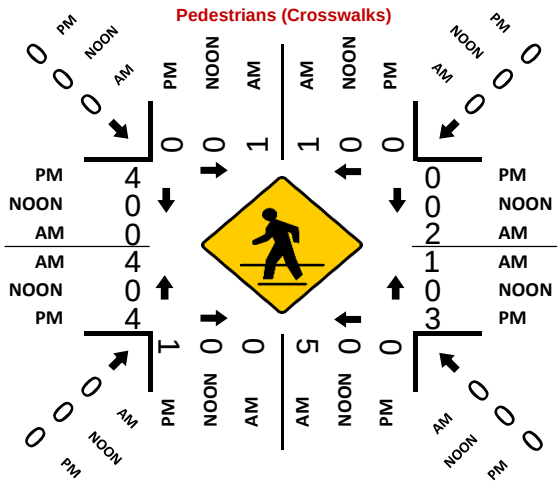
HT (NOON)



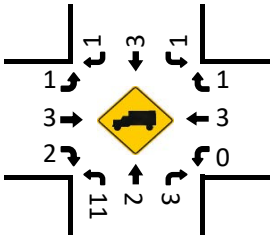
Cars (PM)



Pedestrians (Crosswalks)



HT (PM)



Prepared by National Data & Surveying Services

Tice Valley Blvd & Rolling Hills Dr

Peak Hour Turning Movement Count

ID: 24-080068-002
City: Walnut Creek

Day: Thursday
Date: 3/21/2024

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 05:00 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

SOUTHBOUND — Tice Valley Blvd

AM	0	624	99	22	565	AM
NOON	0	0	0	0	0	NOON
PM	0	657	123	15	926	PM

EASTBOUND — Rolling Hills Dr

AM	NOON	PM		
0	0	0	⇦	
0	0	0	↶	0
0	0	0	↱	0
0	0	0	→	0
0	0	0	↴	0
AM	NOON	PM		

WESTBOUND — Rolling Hills Dr

PM	NOON	AM		
99	0	33	↰	1
0	0	0	←	1
16	0	2	↰	0
0	0	0	↶	0
131	0	106	⇨	
PM	NOON	AM		

NORTHBOUND — Tice Valley Blvd

PM	673	0	0	812	8	PM
NOON	0	0	0	0	0	NOON
AM	626	0	0	510	7	AM

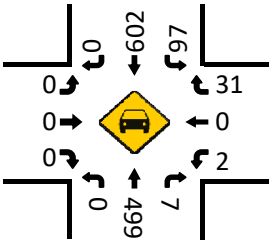
⇩	↶	←	↑	↱
	0	0	2	1

CONTROL

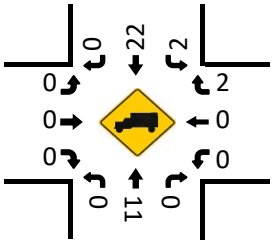
Signalized

TEV	1297 AM	0 NOON	1730 PM
PHF	0.78		0.95

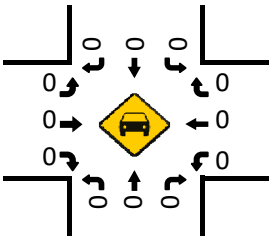
Cars (AM)



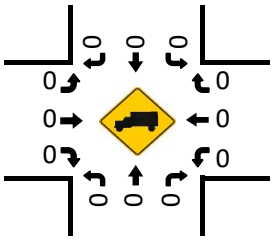
HT (AM)



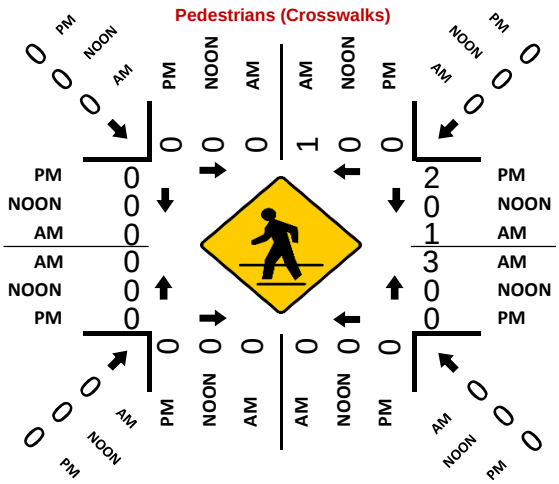
Cars (NOON)



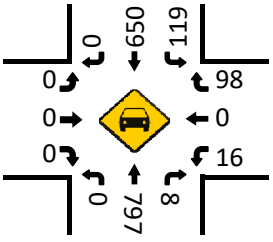
HT (NOON)



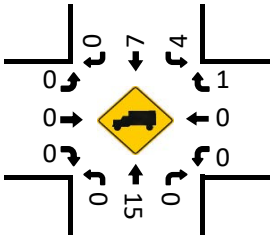
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



Prepared by National Data & Surveying Services

Tice Valley Blvd & Olympic Blvd

Peak Hour Turning Movement Count

ID: 24-080068-003
City: Walnut Creek

Day: Thursday
Date: 3/21/2024

	PEAK HOURS	COUNT PERIODS
AM	08:00 AM - 09:00 AM	7:00 AM - 09:00 AM
NOON	NONE	NONE
PM	04:00 PM - 05:00 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Tice Valley Blvd)

	Right	Thru	Left	U-Turn	Exit (northbound)
AM	29	67	50	0	243
NOON	0	0	0	0	0
PM	25	103	58	0	258
Lanes	1	1	1	0	

EASTBOUND (Olympic Blvd)

	AM	NOON	PM	Lanes
Exit (westbound)	574	0	615	
U-Turn	4	0	8	0
Left	27	0	38	1
Thru	180	0	257	2
Right	249	0	269	1

WESTBOUND (Olympic Blvd)

	PM	NOON	AM	Lanes
Right	109	0	140	1
Thru	247	0	356	1
Left	430	0	450	2
U-Turn	16	0	18	0
Exit (eastbound)	823	0	550	

NORTHBOUND (Tice Valley Blvd)

	Exit (southbound)	U-Turn	Left	Thru	Right
Lanes		0	1	1	1
PM	803	1	335	111	492
NOON	0	0	0	0	0
AM	766	0	185	76	302

CONTROL

Signalized

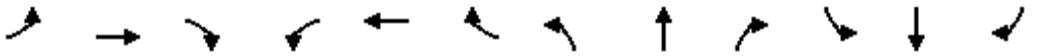
	AM	NOON	PM
TEV	2133	0	2499
PHF	0.85		0.97

Cars and HT

Approach / Movement	Cars (AM)	Cars (NOON)	Cars (PM)	HT (AM)	HT (NOON)	HT (PM)
SB Right	28	0	25	1	0	0
SB Thru	65	0	100	2	0	3
SB Left	50	0	54	0	0	4
EB Left	27	0	38	0	0	0
EB Thru	178	0	256	2	0	1
EB Right	243	0	266	6	0	3
WB Right	138	0	108	2	0	1
WB Thru	345	0	246	11	0	1
WB Left	434	0	427	16	0	3
NB Left	182	0	335	3	0	0
NB Thru	75	0	109	1	0	2
NB Right	292	0	483	10	0	6

Pedestrians (Crosswalks)

Crosswalk	Direction	AM	NOON	PM
North	Eastbound	1	0	0
North	Westbound	1	0	0
West	Southbound	1	0	2
West	Northbound	0	0	1
East	Southbound	1	0	0
East	Northbound	1	0	1
South	Eastbound	1	0	1
South	Westbound	3	0	4
NW diagonal		0	0	0
NE diagonal		0	0	0
SW diagonal		0	0	0
SE diagonal		0	0	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	125	119	310	42	101	32	379	42	84	37	56	43
Future Volume (veh/h)	125	119	310	42	101	32	379	42	84	37	56	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	154	147	0	52	125	0	468	52	0	46	69	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	200	885		63	612		831	450		126	252	
Arrive On Green	0.11	0.25	0.00	0.04	0.17	0.00	0.24	0.24	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	154	147	0	52	125	0	468	52	0	46	69	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	4.0	1.6	0.0	1.4	1.4	0.0	5.7	1.0	0.0	1.2	0.9	0.0
Cycle Q Clear(g_c), s	4.0	1.6	0.0	1.4	1.4	0.0	5.7	1.0	0.0	1.2	0.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	200	885		63	612		831	450		126	252	
V/C Ratio(X)	0.77	0.17		0.82	0.20		0.56	0.12		0.36	0.27	
Avail Cap(c_a), veh/h	928	3702		928	3702		3600	1949		1113	2221	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.5	13.9	0.0	22.8	16.9	0.0	15.8	14.1	0.0	21.1	20.9	0.0
Incr Delay (d2), s/veh	2.3	0.1	0.0	9.3	0.2	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.5	0.0	0.7	0.5	0.0	2.1	0.4	0.0	0.5	0.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.8	14.1	0.0	32.1	17.1	0.0	16.7	14.2	0.0	21.7	21.1	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		301			177			520			115	
Approach Delay, s/veh		18.6			21.5			16.4			21.4	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.4	13.3		16.5	5.7	17.0		8.4				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.0	3.4		7.7	3.4	3.6		3.2				
Green Ext Time (p_c), s	0.2	1.1		3.5	0.0	1.4		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		18.3	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	2	33	510	7	121	642
Future Volume (veh/h)	2	33	510	7	121	642
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	3	0	654	0	155	823
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	6		1705		202	2577
Arrive On Green	0.00	0.00	0.48	0.00	0.11	0.73
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	3	0	654	0	155	823
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.4	0.0	3.2	3.1
Cycle Q Clear(g_c), s	0.1	0.0	4.4	0.0	3.2	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	6		1705		202	2577
V/C Ratio(X)	0.52		0.38		0.77	0.32
Avail Cap(c_a), veh/h	1550		3749		940	5624
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	18.7	0.0	6.2	0.0	16.2	1.8
Incr Delay (d2), s/veh	24.0	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.0	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	42.7	0.0	6.7	0.0	18.5	2.0
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	3		654			978
Approach Delay, s/veh	42.7		6.7			4.6
Approach LOS	D		A			A

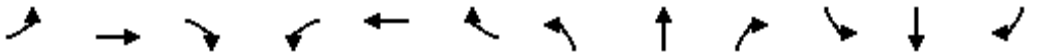
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.1	32.5	9.3	23.2
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.1	5.2	6.4
Green Ext Time (p_c), s	0.0	18.7	0.2	11.7

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	249	468	356	140	185	76	302	50	67	29
Future Volume (veh/h)	31	180	249	468	356	140	185	76	302	50	67	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	482	367	0	191	78	0	52	69	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	621		675	530		249	249	211	132	127	104
Arrive On Green	0.06	0.17	0.00	0.19	0.28	0.00	0.14	0.13	0.00	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1598	1795	1885	1552
Grp Volume(v), veh/h	32	186	0	482	367	0	191	78	0	52	69	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1598	1795	1885	1552
Q Serve(g_s), s	0.8	2.0	0.0	5.8	7.7	0.0	4.6	1.7	0.0	1.2	1.6	0.1
Cycle Q Clear(g_c), s	0.8	2.0	0.0	5.8	7.7	0.0	4.6	1.7	0.0	1.2	1.6	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	621		675	530		249	249	211	132	127	104
V/C Ratio(X)	0.28	0.30		0.71	0.69		0.77	0.31	0.00	0.39	0.54	0.04
Avail Cap(c_a), veh/h	2420	4837		2348	1271		1210	1271	1077	1210	2546	2096
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.9	16.0	0.0	16.8	14.3	0.0	18.5	17.5	0.0	19.7	20.1	19.4
Incr Delay (d2), s/veh	1.3	0.4	0.0	0.5	2.3	0.0	1.9	0.3	0.0	0.7	5.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.7	0.0	2.0	3.0	0.0	1.7	0.6	0.0	0.5	0.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.2	16.4	0.0	17.3	16.6	0.0	20.4	17.8	0.0	20.4	25.2	19.6
LnGrp LOS	C	B		B	B		C	B	A	C	C	B
Approach Vol, veh/h		218			849			269			125	
Approach Delay, s/veh		17.1			17.0			19.6			23.0	
Approach LOS		B			B			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.0	7.3	11.4	12.6	13.2	10.2	8.5
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.7	3.2	3.7	7.8	4.0	6.6	3.6
Green Ext Time (p_c), s	0.1	2.9	0.1	0.2	0.9	1.8	0.2	0.6

Intersection Summary	
HCM 6th Ctrl Delay	18.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	136	128	423	112	154	44	474	69	111	56	185	119
Future Volume (veh/h)	136	128	423	112	154	44	474	69	111	56	185	119
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	146	138	0	120	166	0	510	74	0	60	199	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	190	606		157	540		867	469		231	461	
Arrive On Green	0.11	0.17	0.00	0.09	0.15	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	146	138	0	120	166	0	510	74	0	60	199	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.2	1.8	0.0	3.5	2.2	0.0	6.8	1.6	0.0	1.6	2.7	0.0
Cycle Q Clear(g_c), s	4.2	1.8	0.0	3.5	2.2	0.0	6.8	1.6	0.0	1.6	2.7	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	190	606		157	540		867	469		231	461	
V/C Ratio(X)	0.77	0.23		0.77	0.31		0.59	0.16		0.26	0.43	
Avail Cap(c_a), veh/h	846	3375		846	3375		3282	1776		1015	2025	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	22.9	18.8	0.0	23.5	19.9	0.0	17.3	15.4	0.0	20.6	21.1	0.0
Incr Delay (d2), s/veh	2.5	0.3	0.0	2.9	0.5	0.0	0.9	0.2	0.0	0.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.7	0.0	1.4	0.8	0.0	2.6	0.7	0.0	0.6	1.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.4	19.1	0.0	26.4	20.3	0.0	18.2	15.6	0.0	20.9	21.4	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		284			286			584			259	
Approach Delay, s/veh		22.3			22.9			17.9			21.2	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.6	13.0		18.2	8.6	14.0		11.8				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.2	4.2		8.8	5.5	3.8		4.7				
Green Ext Time (p_c), s	0.2	1.6		4.0	0.1	1.3		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		20.4	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	16	99	812	8	138	657
Future Volume (veh/h)	16	99	812	8	138	657
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	0	855	0	145	692
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	30		1912		189	2691
Arrive On Green	0.02	0.00	0.54	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	17	0	855	0	145	692
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.4	0.0	6.5	0.0	3.5	2.6
Cycle Q Clear(g_c), s	0.4	0.0	6.5	0.0	3.5	2.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	30		1912		189	2691
V/C Ratio(X)	0.56		0.45		0.77	0.26
Avail Cap(c_a), veh/h	1327		3209		804	4813
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	0.0	6.2	0.0	19.3	1.6
Incr Delay (d2), s/veh	5.9	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.6	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.5	0.0	6.8	0.0	21.7	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	17		855			837
Approach Delay, s/veh	27.5		6.8			5.3
Approach LOS	C		A			A

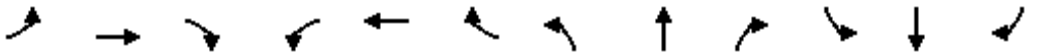
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	38.5	9.7	28.8
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.4	4.6	5.5	8.5
Green Ext Time (p_c), s	0.0	14.8	0.1	15.4

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	269	446	247	109	336	111	492	58	103	25
Future Volume (veh/h)	46	257	269	446	247	109	336	111	492	58	103	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	460	255	0	346	114	197	60	106	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	562		614	475		409	483	404	124	185	153
Arrive On Green	0.06	0.16	0.00	0.18	0.25	0.00	0.23	0.26	0.26	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1560
Grp Volume(v), veh/h	47	265	0	460	255	0	346	114	197	60	106	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1560
Q Serve(g_s), s	1.4	3.7	0.0	7.0	6.5	0.0	10.3	2.7	5.9	1.8	3.0	0.1
Cycle Q Clear(g_c), s	1.4	3.7	0.0	7.0	6.5	0.0	10.3	2.7	5.9	1.8	3.0	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	562		614	475		409	483	404	124	185	153
V/C Ratio(X)	0.41	0.47		0.75	0.54		0.85	0.24	0.49	0.48	0.57	0.03
Avail Cap(c_a), veh/h	1936	3869		1878	1016		968	1016	849	968	2036	1685
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.1	21.4	0.0	21.8	18.0	0.0	20.6	16.4	17.6	24.9	24.0	22.7
Incr Delay (d2), s/veh	2.4	0.9	0.0	0.7	1.3	0.0	1.9	0.1	0.3	1.1	4.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.5	0.0	2.6	2.7	0.0	4.0	1.0	2.0	0.8	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.5	22.2	0.0	22.5	19.4	0.0	22.5	16.5	17.9	26.0	27.9	22.8
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312			715			657			170	
Approach Delay, s/veh		23.0			21.3			20.1			27.1	
Approach LOS		C			C			C			C	

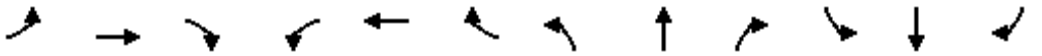
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.5	19.5	7.9	19.8	13.8	14.2	16.7	11.0
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.4	8.5	3.8	7.9	9.0	5.7	12.3	5.0
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.8	2.6	0.5	1.0

Intersection Summary	
HCM 6th Ctrl Delay	21.7
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



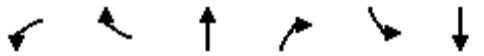
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	169	119	310	42	101	45	379	52	84	44	61	65
Future Volume (veh/h)	169	119	310	42	101	45	379	52	84	44	61	65
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	209	147	0	52	125	0	468	64	0	54	75	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	265	975		64	573		815	441		136	272	
Arrive On Green	0.15	0.28	0.00	0.04	0.16	0.00	0.24	0.24	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	209	147	0	52	125	0	468	64	0	54	75	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	5.8	1.6	0.0	1.5	1.6	0.0	6.1	1.4	0.0	1.5	1.0	0.0
Cycle Q Clear(g_c), s	5.8	1.6	0.0	1.5	1.6	0.0	6.1	1.4	0.0	1.5	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	265	975		64	573		815	441		136	272	
V/C Ratio(X)	0.79	0.15		0.81	0.22		0.57	0.15		0.40	0.28	
Avail Cap(c_a), veh/h	867	3458		867	3458		3363	1820		1040	2075	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.9	13.9	0.0	24.4	18.5	0.0	17.2	15.3	0.0	22.4	22.2	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	9.0	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.6	0.0	0.7	0.6	0.0	2.3	0.6	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.9	14.0	0.0	33.3	18.8	0.0	18.1	15.6	0.0	23.1	22.4	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		356	A		177	A		532	A		129	A
Approach Delay, s/veh		19.2			23.1			17.8			22.7	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.6	13.3		17.1	5.8	19.1		8.9				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.8	3.6		8.1	3.5	3.6		3.5				
Green Ext Time (p_c), s	0.3	1.1		3.6	0.0	1.4		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		19.5	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	3	33	531	8	121	685
Future Volume (veh/h)	3	33	531	8	121	685
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	4	0	681	0	155	878
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	8		1734		202	2595
Arrive On Green	0.00	0.00	0.49	0.00	0.11	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	4	0	681	0	155	878
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.7	0.0	3.3	3.4
Cycle Q Clear(g_c), s	0.1	0.0	4.7	0.0	3.3	3.4
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	8		1734		202	2595
V/C Ratio(X)	0.52		0.39		0.77	0.34
Avail Cap(c_a), veh/h	1514		3661		917	5491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.1	0.0	6.2	0.0	16.6	1.8
Incr Delay (d2), s/veh	18.7	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.1	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	37.9	0.0	6.7	0.0	18.9	2.1
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	4	A	681	A		1033
Approach Delay, s/veh	37.9		6.7			4.6
Approach LOS	D		A			A

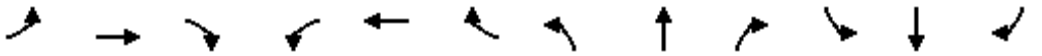
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.2	33.4	9.4	23.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.4	5.3	6.7
Green Ext Time (p_c), s	0.0	20.4	0.2	12.2

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	259	494	356	140	190	79	315	50	74	29
Future Volume (veh/h)	31	180	259	494	356	140	190	79	315	50	74	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	509	367	0	196	81	77	52	76	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	113	585		701	528		254	268	223	131	138	114
Arrive On Green	0.06	0.16	0.00	0.20	0.28	0.00	0.14	0.14	0.14	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1555
Grp Volume(v), veh/h	32	186	0	509	367	0	196	81	77	52	76	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1555
Q Serve(g_s), s	0.8	2.1	0.0	6.2	7.9	0.0	4.8	1.7	2.0	1.3	1.8	0.1
Cycle Q Clear(g_c), s	0.8	2.1	0.0	6.2	7.9	0.0	4.8	1.7	2.0	1.3	1.8	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	113	585		701	528		254	268	223	131	138	114
V/C Ratio(X)	0.28	0.32		0.73	0.70		0.77	0.30	0.34	0.40	0.55	0.04
Avail Cap(c_a), veh/h	2381	4759		2310	1250		1191	1250	1043	1191	2505	2065
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.2	16.7	0.0	16.9	14.6	0.0	18.7	17.4	17.5	20.0	20.2	19.5
Incr Delay (d2), s/veh	1.4	0.4	0.0	0.5	2.4	0.0	1.9	0.2	0.3	0.7	4.8	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.8	0.0	2.1	3.0	0.0	1.8	0.7	0.7	0.5	0.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.6	17.1	0.0	17.4	16.9	0.0	20.6	17.6	17.8	20.7	25.0	19.6
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		876	A		354			132	
Approach Delay, s/veh		17.8			17.2			19.3			23.2	
Approach LOS		B			B			B			C	

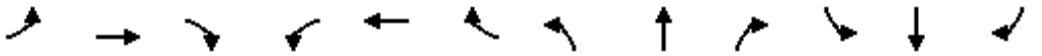
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.2	7.3	11.9	13.1	12.9	10.4	8.8
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.9	3.3	4.0	8.2	4.1	6.8	3.8
Green Ext Time (p_c), s	0.1	2.9	0.1	0.4	0.9	1.8	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	18.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	119	310	42	101	40	379	48	84	38	57	46
Future Volume (veh/h)	150	119	310	42	101	40	379	48	84	38	57	46
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	185	147	0	52	125	0	468	59	0	47	70	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	238	940		64	592		823	446		127	254	
Arrive On Green	0.13	0.27	0.00	0.04	0.17	0.00	0.24	0.24	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	185	147	0	52	125	0	468	59	0	47	70	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	5.0	1.6	0.0	1.4	1.5	0.0	5.9	1.2	0.0	1.3	0.9	0.0
Cycle Q Clear(g_c), s	5.0	1.6	0.0	1.4	1.5	0.0	5.9	1.2	0.0	1.3	0.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	238	940		64	592		823	446		127	254	
V/C Ratio(X)	0.78	0.16		0.82	0.21		0.57	0.13		0.37	0.28	
Avail Cap(c_a), veh/h	896	3576		896	3576		3477	1882		1075	2146	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.6	13.8	0.0	23.6	17.7	0.0	16.5	14.7	0.0	21.8	21.7	0.0
Incr Delay (d2), s/veh	2.1	0.1	0.0	9.1	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	0.5	0.0	0.7	0.6	0.0	2.2	0.5	0.0	0.5	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.7	13.9	0.0	32.7	17.9	0.0	17.4	14.9	0.0	22.5	21.9	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		332	A		177	A		527	A		117	A
Approach Delay, s/veh		18.8			22.3			17.1			22.1	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.6	13.3		16.8	5.8	18.1		8.5				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.0	3.5		7.9	3.4	3.6		3.3				
Green Ext Time (p_c), s	0.2	1.1		3.6	0.0	1.4		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		18.9	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	2	33	513	7	121	667
Future Volume (veh/h)	2	33	513	7	121	667
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	3	0	658	0	155	855
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	6		1709		202	2580
Arrive On Green	0.00	0.00	0.48	0.00	0.11	0.73
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	3	0	658	0	155	855
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.5	0.0	3.2	3.2
Cycle Q Clear(g_c), s	0.1	0.0	4.5	0.0	3.2	3.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	6		1709		202	2580
V/C Ratio(X)	0.52		0.38		0.77	0.33
Avail Cap(c_a), veh/h	1545		3737		937	5605
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	18.8	0.0	6.2	0.0	16.2	1.8
Incr Delay (d2), s/veh	24.0	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.1	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	42.8	0.0	6.7	0.0	18.5	2.1
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	3	A	658	A		1010
Approach Delay, s/veh	42.8		6.7			4.6
Approach LOS	D		A			A

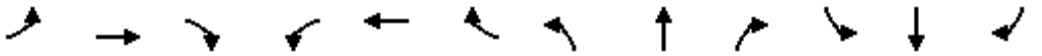
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.1	32.6	9.3	23.3
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.2	5.2	6.5
Green Ext Time (p_c), s	0.0	19.6	0.2	11.8

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	255	483	356	140	186	77	303	50	71	29
Future Volume (veh/h)	31	180	255	483	356	140	186	77	303	50	71	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	498	367	0	192	79	72	52	73	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	601		691	529		250	257	215	132	133	110
Arrive On Green	0.06	0.17	0.00	0.20	0.28	0.00	0.14	0.14	0.14	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1572	1795	1885	1554
Grp Volume(v), veh/h	32	186	0	498	367	0	192	79	72	52	73	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1572	1795	1885	1554
Q Serve(g_s), s	0.8	2.0	0.0	6.0	7.8	0.0	4.6	1.7	1.9	1.2	1.7	0.1
Cycle Q Clear(g_c), s	0.8	2.0	0.0	6.0	7.8	0.0	4.6	1.7	1.9	1.2	1.7	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	601		691	529		250	257	215	132	133	110
V/C Ratio(X)	0.28	0.31		0.72	0.69		0.77	0.31	0.34	0.39	0.55	0.04
Avail Cap(c_a), veh/h	2403	4802		2331	1262		1202	1262	1052	1202	2528	2083
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.0	16.4	0.0	16.8	14.4	0.0	18.6	17.4	17.5	19.8	20.1	19.4
Incr Delay (d2), s/veh	1.3	0.4	0.0	0.5	2.3	0.0	1.9	0.2	0.3	0.7	4.9	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.7	0.0	2.1	3.0	0.0	1.8	0.6	0.6	0.5	0.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.4	16.8	0.0	17.3	16.7	0.0	20.5	17.7	17.9	20.5	25.0	19.6
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		865	A		343			129	
Approach Delay, s/veh		17.5			17.1			19.3			23.0	
Approach LOS		B			B			B			C	

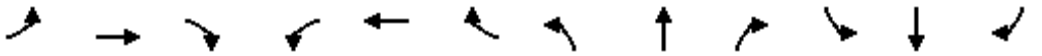
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.1	7.3	11.6	12.9	13.0	10.2	8.7
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.8	3.2	3.9	8.0	4.0	6.6	3.7
Green Ext Time (p_c), s	0.1	2.9	0.1	0.3	0.9	1.8	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	18.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	170	119	310	42	101	47	379	53	84	41	59	55
Future Volume (veh/h)	170	119	310	42	101	47	379	53	84	41	59	55
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	210	147	0	52	125	0	468	65	0	51	73	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	266	978		64	574		816	442		132	263	
Arrive On Green	0.15	0.28	0.00	0.04	0.16	0.00	0.24	0.24	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	210	147	0	52	125	0	468	65	0	51	73	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	5.8	1.6	0.0	1.5	1.6	0.0	6.1	1.4	0.0	1.4	1.0	0.0
Cycle Q Clear(g_c), s	5.8	1.6	0.0	1.5	1.6	0.0	6.1	1.4	0.0	1.4	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	266	978		64	574		816	442		132	263	
V/C Ratio(X)	0.79	0.15		0.81	0.22		0.57	0.15		0.39	0.28	
Avail Cap(c_a), veh/h	869	3466		869	3466		3371	1824		1042	2080	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.8	13.9	0.0	24.3	18.5	0.0	17.1	15.3	0.0	22.4	22.2	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	9.0	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.6	0.0	0.7	0.6	0.0	2.3	0.6	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.8	14.0	0.0	33.3	18.7	0.0	18.0	15.5	0.0	23.1	22.4	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		357	A		177	A		533	A		124	A
Approach Delay, s/veh		19.2			23.0			17.7			22.7	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.7	13.3		17.1	5.8	19.1		8.8				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.8	3.6		8.1	3.5	3.6		3.4				
Green Ext Time (p_c), s	0.3	1.1		3.6	0.0	1.4		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		19.4	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	2	33	522	7	121	687
Future Volume (veh/h)	2	33	522	7	121	687
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	3	0	669	0	155	881
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	6		1722		202	2588
Arrive On Green	0.00	0.00	0.49	0.00	0.11	0.73
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	3	0	669	0	155	881
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.6	0.0	3.2	3.4
Cycle Q Clear(g_c), s	0.1	0.0	4.6	0.0	3.2	3.4
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	6		1722		202	2588
V/C Ratio(X)	0.52		0.39		0.77	0.34
Avail Cap(c_a), veh/h	1531		3703		928	5554
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.0	0.0	6.2	0.0	16.4	1.8
Incr Delay (d2), s/veh	24.0	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.1	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	43.0	0.0	6.7	0.0	18.7	2.1
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	3	A	669	A		1036
Approach Delay, s/veh	43.0		6.7			4.6
Approach LOS	D		A			A

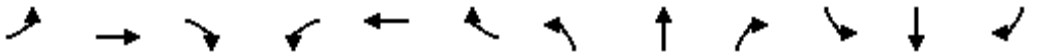
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.1	33.0	9.4	23.6
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.4	5.2	6.6
Green Ext Time (p_c), s	0.0	20.5	0.2	12.0

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	260	495	356	140	188	78	309	50	74	29
Future Volume (veh/h)	31	180	260	495	356	140	188	78	309	50	74	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	510	367	0	194	80	75	52	76	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	113	585		703	528		252	265	221	131	138	114
Arrive On Green	0.06	0.16	0.00	0.20	0.28	0.00	0.14	0.14	0.14	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1555
Grp Volume(v), veh/h	32	186	0	510	367	0	194	80	75	52	76	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1555
Q Serve(g_s), s	0.8	2.1	0.0	6.2	7.9	0.0	4.7	1.7	1.9	1.2	1.8	0.1
Cycle Q Clear(g_c), s	0.8	2.1	0.0	6.2	7.9	0.0	4.7	1.7	1.9	1.2	1.8	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	113	585		703	528		252	265	221	131	138	114
V/C Ratio(X)	0.28	0.32		0.73	0.70		0.77	0.30	0.34	0.40	0.55	0.04
Avail Cap(c_a), veh/h	2387	4770		2315	1253		1193	1253	1045	1193	2510	2070
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.2	16.7	0.0	16.8	14.5	0.0	18.7	17.4	17.5	20.0	20.2	19.4
Incr Delay (d2), s/veh	1.4	0.4	0.0	0.5	2.4	0.0	1.9	0.2	0.3	0.7	4.8	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.8	0.0	2.1	3.0	0.0	1.8	0.7	0.7	0.5	0.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.5	17.1	0.0	17.4	16.9	0.0	20.6	17.6	17.8	20.7	25.0	19.6
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		877	A		349			132	
Approach Delay, s/veh		17.8			17.2			19.3			23.1	
Approach LOS		B			B			B			C	

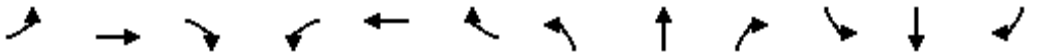
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.1	7.3	11.8	13.1	12.9	10.3	8.8
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.9	3.2	3.9	8.2	4.1	6.7	3.8
Green Ext Time (p_c), s	0.1	2.9	0.1	0.4	0.9	1.8	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	18.2
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	126	119	310	42	101	33	379	42	84	38	57	46
Future Volume (veh/h)	126	119	310	42	101	33	379	42	84	38	57	46
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	156	147	0	52	125	0	468	52	0	47	70	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	203	888		63	610		830	449		128	255	
Arrive On Green	0.11	0.25	0.00	0.04	0.17	0.00	0.24	0.24	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	156	147	0	52	125	0	468	52	0	47	70	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	4.1	1.6	0.0	1.4	1.5	0.0	5.7	1.0	0.0	1.2	0.9	0.0
Cycle Q Clear(g_c), s	4.1	1.6	0.0	1.4	1.5	0.0	5.7	1.0	0.0	1.2	0.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	203	888		63	610		830	449		128	255	
V/C Ratio(X)	0.77	0.17		0.82	0.20		0.56	0.12		0.37	0.27	
Avail Cap(c_a), veh/h	925	3690		925	3690		3588	1942		1110	2214	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.5	13.9	0.0	22.9	16.9	0.0	15.9	14.1	0.0	21.1	21.0	0.0
Incr Delay (d2), s/veh	2.3	0.1	0.0	9.3	0.2	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.5	0.0	0.7	0.5	0.0	2.1	0.4	0.0	0.5	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.8	14.1	0.0	32.1	17.2	0.0	16.8	14.3	0.0	21.8	21.2	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		303	A		177	A		520	A		117	A
Approach Delay, s/veh		18.6			21.6			16.5			21.4	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.5	13.3		16.6	5.7	17.0		8.5				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.1	3.5		7.7	3.4	3.6		3.2				
Green Ext Time (p_c), s	0.2	1.1		3.5	0.0	1.4		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		18.4	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	2	33	513	7	121	643
Future Volume (veh/h)	2	33	513	7	121	643
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	3	0	658	0	155	824
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	6		1709		202	2580
Arrive On Green	0.00	0.00	0.48	0.00	0.11	0.73
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	3	0	658	0	155	824
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.5	0.0	3.2	3.1
Cycle Q Clear(g_c), s	0.1	0.0	4.5	0.0	3.2	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	6		1709		202	2580
V/C Ratio(X)	0.52		0.38		0.77	0.32
Avail Cap(c_a), veh/h	1545		3737		937	5605
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	18.8	0.0	6.2	0.0	16.2	1.8
Incr Delay (d2), s/veh	24.0	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.1	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	42.8	0.0	6.7	0.0	18.5	2.0
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	3	A	658	A		979
Approach Delay, s/veh	42.8		6.7			4.6
Approach LOS	D		A			A

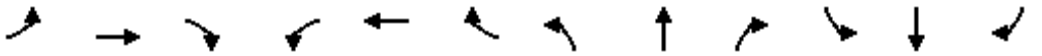
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.1	32.6	9.3	23.3
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.1	5.2	6.5
Green Ext Time (p_c), s	0.0	18.7	0.2	11.8

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	249	469	356	140	186	77	303	50	67	29
Future Volume (veh/h)	31	180	249	469	356	140	186	77	303	50	67	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	484	367	0	192	79	73	52	69	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	619		677	530		250	250	209	132	127	104
Arrive On Green	0.06	0.17	0.00	0.19	0.28	0.00	0.14	0.13	0.13	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1572	1795	1885	1552
Grp Volume(v), veh/h	32	186	0	484	367	0	192	79	73	52	69	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1572	1795	1885	1552
Q Serve(g_s), s	0.8	2.0	0.0	5.8	7.7	0.0	4.6	1.7	1.9	1.2	1.6	0.1
Cycle Q Clear(g_c), s	0.8	2.0	0.0	5.8	7.7	0.0	4.6	1.7	1.9	1.2	1.6	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	619		677	530		250	250	209	132	127	104
V/C Ratio(X)	0.28	0.30		0.71	0.69		0.77	0.32	0.35	0.39	0.54	0.04
Avail Cap(c_a), veh/h	2418	4831		2345	1269		1209	1269	1059	1209	2543	2094
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.9	16.1	0.0	16.8	14.3	0.0	18.5	17.5	17.6	19.7	20.1	19.4
Incr Delay (d2), s/veh	1.3	0.4	0.0	0.5	2.3	0.0	1.9	0.3	0.4	0.7	5.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.7	0.0	2.0	3.0	0.0	1.8	0.6	0.6	0.5	0.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.2	16.5	0.0	17.3	16.6	0.0	20.4	17.8	17.9	20.4	25.2	19.6
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		851	A		344			125	
Approach Delay, s/veh		17.2			17.0			19.3			23.0	
Approach LOS		B			B			B			C	

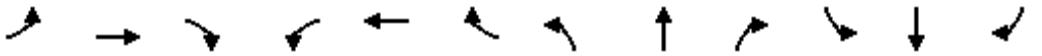
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.0	7.3	11.4	12.7	13.2	10.2	8.5
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.7	3.2	3.9	7.8	4.0	6.6	3.6
Green Ext Time (p_c), s	0.1	2.9	0.1	0.4	0.9	1.8	0.2	0.6

Intersection Summary	
HCM 6th Ctrl Delay	18.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	203	119	310	42	101	57	379	60	84	55	70	101
Future Volume (veh/h)	203	119	310	42	101	57	379	60	84	55	70	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	251	147	0	52	125	0	468	74	0	68	86	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	309	1030		64	541		801	433		153	306	
Arrive On Green	0.18	0.29	0.00	0.04	0.15	0.00	0.23	0.23	0.00	0.09	0.09	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	251	147	0	52	125	0	468	74	0	68	86	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	7.4	1.7	0.0	1.6	1.7	0.0	6.6	1.7	0.0	2.0	1.2	0.0
Cycle Q Clear(g_c), s	7.4	1.7	0.0	1.6	1.7	0.0	6.6	1.7	0.0	2.0	1.2	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	309	1030		64	541		801	433		153	306	
V/C Ratio(X)	0.81	0.14		0.81	0.23		0.58	0.17		0.44	0.28	
Avail Cap(c_a), veh/h	816	3258		816	3258		3168	1715		980	1955	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.5	14.1	0.0	25.9	20.1	0.0	18.4	16.6	0.0	23.5	23.1	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	8.7	0.3	0.0	1.0	0.3	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	0.6	0.0	0.8	0.6	0.0	2.5	0.7	0.0	0.8	0.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.4	14.2	0.0	34.6	20.4	0.0	19.4	16.8	0.0	24.2	23.3	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		398	A		177	A		542	A		154	A
Approach Delay, s/veh		20.0			24.6			19.0			23.7	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.5	13.3		17.6	6.0	20.8		9.7				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	9.4	3.7		8.6	3.6	3.7		4.0				
Green Ext Time (p_c), s	0.3	1.1		3.7	0.0	1.4		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		20.7	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	3	33	567	8	121	719
Future Volume (veh/h)	3	33	567	8	121	719
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	4	0	727	0	155	922
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	8		1784		202	2628
Arrive On Green	0.00	0.00	0.51	0.00	0.11	0.75
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	4	0	727	0	155	922
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	5.1	0.0	3.4	3.6
Cycle Q Clear(g_c), s	0.1	0.0	5.1	0.0	3.4	3.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	8		1784		202	2628
V/C Ratio(X)	0.52		0.41		0.77	0.35
Avail Cap(c_a), veh/h	1459		3527		884	5291
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.9	0.0	6.1	0.0	17.2	1.8
Incr Delay (d2), s/veh	18.8	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.2	0.0	1.3	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	38.6	0.0	6.7	0.0	19.5	2.0
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	4	A	727	A		1077
Approach Delay, s/veh	38.6		6.7			4.6
Approach LOS	D		A			A

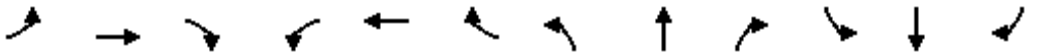
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.2	34.8	9.6	25.2
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.6	5.4	7.1
Green Ext Time (p_c), s	0.0	21.7	0.2	13.1

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	267	515	356	140	199	85	336	50	79	29
Future Volume (veh/h)	31	180	267	515	356	140	199	85	336	50	79	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	531	367	0	205	88	87	52	81	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	555		722	525		265	288	241	130	147	121
Arrive On Green	0.06	0.15	0.00	0.21	0.28	0.00	0.15	0.15	0.15	0.07	0.08	0.08
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1556
Grp Volume(v), veh/h	32	186	0	531	367	0	205	88	87	52	81	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1556
Q Serve(g_s), s	0.8	2.1	0.0	6.6	8.0	0.0	5.1	1.9	2.3	1.3	1.9	0.1
Cycle Q Clear(g_c), s	0.8	2.1	0.0	6.6	8.0	0.0	5.1	1.9	2.3	1.3	1.9	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	555		722	525		265	288	241	130	147	121
V/C Ratio(X)	0.29	0.34		0.74	0.70		0.77	0.31	0.36	0.40	0.55	0.03
Avail Cap(c_a), veh/h	2339	4675		2269	1228		1170	1228	1025	1170	2460	2031
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.6	17.3	0.0	17.1	14.9	0.0	18.9	17.3	17.5	20.4	20.5	19.6
Incr Delay (d2), s/veh	1.4	0.5	0.0	0.6	2.4	0.0	1.8	0.2	0.3	0.7	4.6	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.8	0.0	2.3	3.1	0.0	1.9	0.7	0.8	0.5	1.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.0	17.8	0.0	17.6	17.3	0.0	20.7	17.5	17.8	21.2	25.0	19.8
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		898	A		380			137	
Approach Delay, s/veh		18.5			17.5			19.3			23.4	
Approach LOS		B			B			B			C	

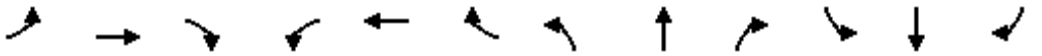
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.9	18.3	7.3	12.5	13.5	12.6	10.8	9.1
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	10.0	3.3	4.3	8.6	4.1	7.1	3.9
Green Ext Time (p_c), s	0.1	2.9	0.1	0.4	1.0	1.8	0.3	0.7

Intersection Summary	
HCM 6th Ctrl Delay	18.5
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	144	119	310	42	101	38	379	45	84	41	59	54
Future Volume (veh/h)	144	119	310	42	101	38	379	45	84	41	59	54
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	178	147	0	52	125	0	468	56	0	51	73	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	230	925		64	594		822	445		133	265	
Arrive On Green	0.13	0.26	0.00	0.04	0.17	0.00	0.24	0.24	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	178	147	0	52	125	0	468	56	0	51	73	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	4.8	1.6	0.0	1.4	1.5	0.0	5.9	1.2	0.0	1.4	1.0	0.0
Cycle Q Clear(g_c), s	4.8	1.6	0.0	1.4	1.5	0.0	5.9	1.2	0.0	1.4	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	230	925		64	594		822	445		133	265	
V/C Ratio(X)	0.78	0.16		0.82	0.21		0.57	0.13		0.38	0.28	
Avail Cap(c_a), veh/h	899	3586		899	3586		3487	1888		1079	2152	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.7	14.0	0.0	23.5	17.6	0.0	16.4	14.6	0.0	21.6	21.5	0.0
Incr Delay (d2), s/veh	2.1	0.1	0.0	9.1	0.2	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	0.5	0.0	0.7	0.6	0.0	2.2	0.5	0.0	0.5	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.8	14.1	0.0	32.7	17.9	0.0	17.3	14.8	0.0	22.3	21.7	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		325	A		177	A		524	A		124	A
Approach Delay, s/veh		18.9			22.2			17.1			21.9	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.4	13.3		16.8	5.8	17.9		8.7				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.8	3.5		7.9	3.4	3.6		3.4				
Green Ext Time (p_c), s	0.2	1.1		3.6	0.0	1.4		0.3				

Intersection Summary		
HCM 6th Ctrl Delay		18.9
HCM 6th LOS		B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	3	33	521	7	121	660
Future Volume (veh/h)	3	33	521	7	121	660
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	4	0	668	0	155	846
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	8		1719		202	2585
Arrive On Green	0.00	0.00	0.49	0.00	0.11	0.73
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	4	0	668	0	155	846
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.1	0.0	4.6	0.0	3.2	3.2
Cycle Q Clear(g_c), s	0.1	0.0	4.6	0.0	3.2	3.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	8		1719		202	2585
V/C Ratio(X)	0.52		0.39		0.77	0.33
Avail Cap(c_a), veh/h	1530		3700		927	5550
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	18.9	0.0	6.2	0.0	16.4	1.8
Incr Delay (d2), s/veh	18.7	0.0	0.5	0.0	2.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	1.1	0.0	1.2	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	37.7	0.0	6.7	0.0	18.7	2.1
LnGrp LOS	D		A		B	A
Approach Vol, veh/h	4	A	668	A		1001
Approach Delay, s/veh	37.7		6.7			4.6
Approach LOS	D		A			A

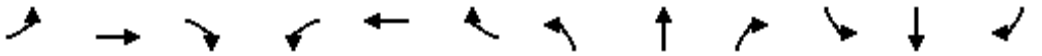
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.2	32.9	9.4	23.6
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.1	5.2	5.2	6.6
Green Ext Time (p_c), s	0.0	19.4	0.2	12.0

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	180	253	479	356	140	188	78	308	50	70	29
Future Volume (veh/h)	31	180	253	479	356	140	188	78	308	50	70	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	32	186	0	494	367	0	194	80	74	52	72	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	605		687	529		252	258	215	132	132	109
Arrive On Green	0.06	0.17	0.00	0.20	0.28	0.00	0.14	0.14	0.14	0.07	0.07	0.07
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1572	1795	1885	1553
Grp Volume(v), veh/h	32	186	0	494	367	0	194	80	74	52	72	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1572	1795	1885	1553
Q Serve(g_s), s	0.8	2.0	0.0	6.0	7.8	0.0	4.7	1.7	1.9	1.2	1.7	0.1
Cycle Q Clear(g_c), s	0.8	2.0	0.0	6.0	7.8	0.0	4.7	1.7	1.9	1.2	1.7	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	605		687	529		252	258	215	132	132	109
V/C Ratio(X)	0.28	0.31		0.72	0.69		0.77	0.31	0.34	0.39	0.55	0.04
Avail Cap(c_a), veh/h	2401	4799		2329	1261		1201	1261	1052	1201	2526	2081
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.0	16.3	0.0	16.8	14.4	0.0	18.6	17.4	17.5	19.8	20.2	19.5
Incr Delay (d2), s/veh	1.3	0.4	0.0	0.5	2.3	0.0	1.9	0.3	0.4	0.7	5.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.7	0.0	2.0	3.0	0.0	1.8	0.7	0.6	0.5	0.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.4	16.7	0.0	17.4	16.8	0.0	20.5	17.7	17.9	20.5	25.1	19.7
LnGrp LOS	C	B		B	B		C	B	B	C	C	B
Approach Vol, veh/h		218	A		861	A		348			128	
Approach Delay, s/veh		17.4			17.1			19.3			23.1	
Approach LOS		B			B			B			C	

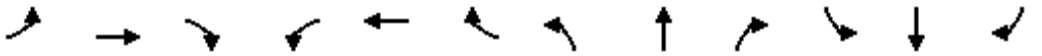
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.8	18.1	7.3	11.6	12.8	13.1	10.3	8.6
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	2.8	9.8	3.2	3.9	8.0	4.0	6.7	3.7
Green Ext Time (p_c), s	0.1	2.9	0.1	0.4	0.9	1.8	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	18.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



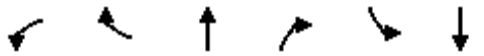
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	183	128	423	112	154	59	474	80	111	74	199	178
Future Volume (veh/h)	183	128	423	112	154	59	474	80	111	74	199	178
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	197	138	0	120	166	0	510	86	0	80	214	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	249	692		157	507		851	461		236	471	
Arrive On Green	0.14	0.19	0.00	0.09	0.14	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	197	138	0	120	166	0	510	86	0	80	214	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	6.0	1.8	0.0	3.7	2.4	0.0	7.3	2.0	0.0	2.3	3.1	0.0
Cycle Q Clear(g_c), s	6.0	1.8	0.0	3.7	2.4	0.0	7.3	2.0	0.0	2.3	3.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	249	692		157	507		851	461		236	471	
V/C Ratio(X)	0.79	0.20		0.77	0.33		0.60	0.19		0.34	0.45	
Avail Cap(c_a), veh/h	793	3166		793	3166		3078	1666		952	1899	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.3	18.9	0.0	25.0	21.6	0.0	18.7	16.7	0.0	22.1	22.5	0.0
Incr Delay (d2), s/veh	2.1	0.2	0.0	2.9	0.5	0.0	1.0	0.3	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	0.7	0.0	1.6	0.9	0.0	2.8	0.9	0.0	0.9	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.5	19.1	0.0	28.0	22.2	0.0	19.7	17.0	0.0	22.4	22.7	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		335	A		286	A		596	A		294	A
Approach Delay, s/veh		22.9			24.6			19.3			22.6	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.9	13.0		18.8	8.9	15.9		12.4				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	8.0	4.4		9.3	5.7	3.8		5.1				
Green Ext Time (p_c), s	0.2	1.6		4.2	0.1	1.3		1.0				

Intersection Summary		
HCM 6th Ctrl Delay		21.7
HCM 6th LOS		C

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	17	99	870	9	138	703
Future Volume (veh/h)	17	99	870	9	138	703
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	18	0	916	0	145	740
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	32		1961		189	2722
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	18	0	916	0	145	740
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.2	0.0	3.7	2.8
Cycle Q Clear(g_c), s	0.5	0.0	7.2	0.0	3.7	2.8
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	32		1961		189	2722
V/C Ratio(X)	0.57		0.47		0.77	0.27
Avail Cap(c_a), veh/h	1271		3073		770	4609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.5	0.0	6.3	0.0	20.1	1.6
Incr Delay (d2), s/veh	5.8	0.0	0.6	0.0	2.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.8	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.3	0.0	6.9	0.0	22.6	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	18	A	916	A		885
Approach Delay, s/veh	28.3		6.9			5.2
Approach LOS	C		A			A

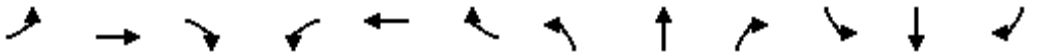
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	40.4	9.9	30.5
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	4.8	5.7	9.2
Green Ext Time (p_c), s	0.0	16.1	0.1	16.3

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	280	474	247	109	350	120	527	58	110	25
Future Volume (veh/h)	46	257	280	474	247	109	350	120	527	58	110	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	489	255	0	361	124	207	60	113	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	550		637	486		421	509	425	121	194	161
Arrive On Green	0.06	0.15	0.00	0.18	0.26	0.00	0.23	0.27	0.27	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1561
Grp Volume(v), veh/h	47	265	0	489	255	0	361	124	207	60	113	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1561
Q Serve(g_s), s	1.5	3.9	0.0	7.8	6.8	0.0	11.2	3.0	6.4	1.9	3.3	0.1
Cycle Q Clear(g_c), s	1.5	3.9	0.0	7.8	6.8	0.0	11.2	3.0	6.4	1.9	3.3	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	550		637	486		421	509	425	121	194	161
V/C Ratio(X)	0.43	0.48		0.77	0.52		0.86	0.24	0.49	0.49	0.58	0.02
Avail Cap(c_a), veh/h	1847	3692		1792	970		924	970	810	924	1943	1609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.4	22.6	0.0	22.6	18.6	0.0	21.4	16.6	17.9	26.2	25.0	23.5
Incr Delay (d2), s/veh	2.6	0.9	0.0	0.7	1.3	0.0	2.0	0.1	0.3	1.2	3.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.6	0.0	2.9	2.8	0.0	4.4	1.2	2.2	0.8	1.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.9	23.5	0.0	23.4	19.8	0.0	23.4	16.7	18.2	27.4	28.8	23.6
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312	A		744	A		692			177	
Approach Delay, s/veh		24.3			22.2			20.6			28.2	
Approach LOS		C			C			C			C	

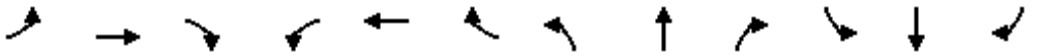
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.6	20.5	7.9	21.2	14.7	14.5	17.7	11.5
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.5	8.8	3.9	8.4	9.8	5.9	13.2	5.3
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.9	2.6	0.5	1.1

Intersection Summary	
HCM 6th Ctrl Delay	22.5
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	141	128	423	112	154	45	474	70	111	63	190	141
Future Volume (veh/h)	141	128	423	112	154	45	474	70	111	63	190	141
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	152	138	0	120	166	0	510	75	0	68	204	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	197	616		157	535		864	468		234	467	
Arrive On Green	0.11	0.17	0.00	0.09	0.15	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	152	138	0	120	166	0	510	75	0	68	204	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.4	1.8	0.0	3.5	2.2	0.0	6.9	1.7	0.0	1.8	2.8	0.0
Cycle Q Clear(g_c), s	4.4	1.8	0.0	3.5	2.2	0.0	6.9	1.7	0.0	1.8	2.8	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	197	616		157	535		864	468		234	467	
V/C Ratio(X)	0.77	0.22		0.77	0.31		0.59	0.16		0.29	0.44	
Avail Cap(c_a), veh/h	838	3342		838	3342		3250	1759		1005	2005	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.0	18.9	0.0	23.7	20.1	0.0	17.5	15.6	0.0	20.9	21.3	0.0
Incr Delay (d2), s/veh	2.4	0.3	0.0	2.9	0.5	0.0	0.9	0.2	0.0	0.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	0.7	0.0	1.5	0.9	0.0	2.6	0.7	0.0	0.7	1.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.4	19.2	0.0	26.6	20.6	0.0	18.5	15.8	0.0	21.1	21.5	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		290	A		286	A		585	A		272	A
Approach Delay, s/veh		22.4			23.1			18.1			21.4	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.9	13.0		18.3	8.7	14.2		12.0				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.4	4.2		8.9	5.5	3.8		4.8				
Green Ext Time (p_c), s	0.2	1.6		4.1	0.1	1.3		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		20.6	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	16	99	834	8	138	662
Future Volume (veh/h)	16	99	834	8	138	662
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	0	878	0	145	697
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	30		1932		189	2704
Arrive On Green	0.02	0.00	0.54	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	17	0	878	0	145	697
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.4	0.0	6.7	0.0	3.6	2.6
Cycle Q Clear(g_c), s	0.4	0.0	6.7	0.0	3.6	2.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	30		1932		189	2704
V/C Ratio(X)	0.56		0.45		0.77	0.26
Avail Cap(c_a), veh/h	1306		3157		791	4736
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.0	0.0	6.2	0.0	19.6	1.6
Incr Delay (d2), s/veh	5.9	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.7	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.9	0.0	6.8	0.0	22.0	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	17	A	878	A		842
Approach Delay, s/veh	27.9		6.8			5.3
Approach LOS	C		A			A

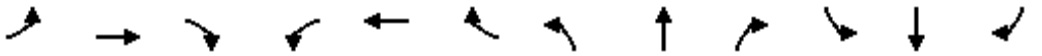
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	39.3	9.8	29.5
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.4	4.6	5.6	8.7
Green Ext Time (p_c), s	0.0	14.9	0.1	15.7

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	270	449	247	109	341	115	505	58	104	25
Future Volume (veh/h)	46	257	270	449	247	109	341	115	505	58	104	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	463	255	0	352	119	211	60	107	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	113	559		615	475		414	491	410	124	186	154
Arrive On Green	0.06	0.16	0.00	0.18	0.25	0.00	0.23	0.26	0.26	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1561
Grp Volume(v), veh/h	47	265	0	463	255	0	352	119	211	60	107	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1561
Q Serve(g_s), s	1.4	3.8	0.0	7.1	6.6	0.0	10.5	2.8	6.4	1.8	3.0	0.1
Cycle Q Clear(g_c), s	1.4	3.8	0.0	7.1	6.6	0.0	10.5	2.8	6.4	1.8	3.0	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	113	559		615	475		414	491	410	124	186	154
V/C Ratio(X)	0.42	0.47		0.75	0.54		0.85	0.24	0.51	0.48	0.58	0.03
Avail Cap(c_a), veh/h	1916	3829		1859	1006		958	1006	841	958	2015	1668
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.3	21.6	0.0	22.0	18.2	0.0	20.7	16.4	17.8	25.2	24.2	22.9
Incr Delay (d2), s/veh	2.4	0.9	0.0	0.7	1.3	0.0	1.9	0.1	0.4	1.1	4.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.5	0.0	2.7	2.7	0.0	4.1	1.1	2.2	0.8	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.8	22.5	0.0	22.7	19.5	0.0	22.6	16.5	18.1	26.3	28.2	23.0
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312	A		718	A		682			171	
Approach Delay, s/veh		23.3			21.6			20.2			27.4	
Approach LOS		C			C			C			C	

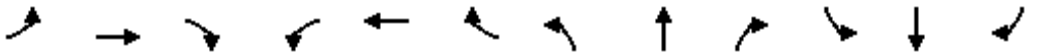
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.5	19.7	7.9	20.1	13.9	14.3	17.0	11.0
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.4	8.6	3.8	8.4	9.1	5.8	12.5	5.0
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.8	2.6	0.5	1.0

Intersection Summary	
HCM 6th Ctrl Delay	21.9
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	158	128	423	112	154	51	474	74	111	72	197	171
Future Volume (veh/h)	158	128	423	112	154	51	474	74	111	72	197	171
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	170	138	0	120	166	0	510	80	0	77	212	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	219	646		157	522		858	465		237	474	
Arrive On Green	0.12	0.18	0.00	0.09	0.15	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	170	138	0	120	166	0	510	80	0	77	212	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	5.0	1.8	0.0	3.6	2.3	0.0	7.1	1.8	0.0	2.1	3.0	0.0
Cycle Q Clear(g_c), s	5.0	1.8	0.0	3.6	2.3	0.0	7.1	1.8	0.0	2.1	3.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	219	646		157	522		858	465		237	474	
V/C Ratio(X)	0.78	0.21		0.77	0.32		0.59	0.17		0.32	0.45	
Avail Cap(c_a), veh/h	817	3261		817	3261		3171	1716		981	1957	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.2	19.0	0.0	24.3	20.8	0.0	18.1	16.1	0.0	21.4	21.8	0.0
Incr Delay (d2), s/veh	2.3	0.2	0.0	2.9	0.5	0.0	0.9	0.2	0.0	0.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.7	0.0	1.5	0.9	0.0	2.7	0.8	0.0	0.9	1.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.4	19.2	0.0	27.2	21.3	0.0	19.0	16.3	0.0	21.7	22.0	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		308	A		286	A		590	A		289	A
Approach Delay, s/veh		22.6			23.8			18.6			21.9	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.7	13.0		18.5	8.8	14.9		12.3				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.0	4.3		9.1	5.6	3.8		5.0				
Green Ext Time (p_c), s	0.2	1.6		4.1	0.1	1.3		1.0				

Intersection Summary		
HCM 6th Ctrl Delay		21.1
HCM 6th LOS		C

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	16	99	863	9	138	679
Future Volume (veh/h)	16	99	863	9	138	679
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	0	908	0	145	715
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	30		1956		189	2720
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	17	0	908	0	145	715
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.4	0.0	7.1	0.0	3.6	2.7
Cycle Q Clear(g_c), s	0.4	0.0	7.1	0.0	3.6	2.7
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	30		1956		189	2720
V/C Ratio(X)	0.56		0.46		0.77	0.26
Avail Cap(c_a), veh/h	1279		3093		775	4639
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.4	0.0	6.2	0.0	20.0	1.6
Incr Delay (d2), s/veh	5.9	0.0	0.6	0.0	2.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.8	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.4	0.0	6.9	0.0	22.4	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	17	A	908	A		860
Approach Delay, s/veh	28.4		6.9			5.3
Approach LOS	C		A			A

Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	40.2	9.9	30.3
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.4	4.7	5.6	9.1
Green Ext Time (p_c), s	0.0	15.4	0.1	16.2

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	274	459	247	109	348	119	523	58	107	25
Future Volume (veh/h)	46	257	274	459	247	109	348	119	523	58	107	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	473	255	0	359	123	208	60	110	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	112	554		623	479		420	503	420	123	190	157
Arrive On Green	0.06	0.15	0.00	0.18	0.25	0.00	0.23	0.27	0.27	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1561
Grp Volume(v), veh/h	47	265	0	473	255	0	359	123	208	60	110	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1561
Q Serve(g_s), s	1.4	3.9	0.0	7.4	6.7	0.0	11.0	2.9	6.4	1.8	3.2	0.1
Cycle Q Clear(g_c), s	1.4	3.9	0.0	7.4	6.7	0.0	11.0	2.9	6.4	1.8	3.2	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	112	554		623	479		420	503	420	123	190	157
V/C Ratio(X)	0.42	0.48		0.76	0.53		0.85	0.24	0.50	0.49	0.58	0.03
Avail Cap(c_a), veh/h	1880	3756		1823	987		940	987	825	940	1977	1637
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.9	22.1	0.0	22.4	18.4	0.0	21.0	16.5	17.8	25.7	24.6	23.2
Incr Delay (d2), s/veh	2.5	0.9	0.0	0.7	1.3	0.0	2.0	0.1	0.3	1.1	3.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.5	0.0	2.8	2.8	0.0	4.3	1.1	2.2	0.8	1.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.4	23.0	0.0	23.1	19.8	0.0	23.0	16.6	18.1	26.9	28.5	23.3
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312	A		728	A		690			174	
Approach Delay, s/veh		23.8			21.9			20.4			27.8	
Approach LOS		C			C			C			C	

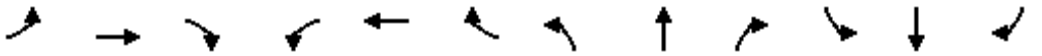
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.6	20.1	7.9	20.8	14.3	14.4	17.4	11.3
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.4	8.7	3.8	8.4	9.4	5.9	13.0	5.2
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.9	2.6	0.5	1.0

Intersection Summary	
HCM 6th Ctrl Delay	22.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	139	128	423	112	154	45	474	69	111	56	185	121
Future Volume (veh/h)	139	128	423	112	154	45	474	69	111	56	185	121
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	149	138	0	120	166	0	510	74	0	60	199	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	194	612		157	538		866	469		231	461	
Arrive On Green	0.11	0.17	0.00	0.09	0.15	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	149	138	0	120	166	0	510	74	0	60	199	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.3	1.8	0.0	3.5	2.2	0.0	6.9	1.6	0.0	1.6	2.7	0.0
Cycle Q Clear(g_c), s	4.3	1.8	0.0	3.5	2.2	0.0	6.9	1.6	0.0	1.6	2.7	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	194	612		157	538		866	469		231	461	
V/C Ratio(X)	0.77	0.23		0.77	0.31		0.59	0.16		0.26	0.43	
Avail Cap(c_a), veh/h	843	3364		843	3364		3271	1771		1012	2019	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	22.9	18.8	0.0	23.6	19.9	0.0	17.4	15.4	0.0	20.7	21.2	0.0
Incr Delay (d2), s/veh	2.4	0.3	0.0	2.9	0.5	0.0	0.9	0.2	0.0	0.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.7	0.0	1.4	0.8	0.0	2.6	0.7	0.0	0.6	1.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.3	19.1	0.0	26.5	20.4	0.0	18.3	15.7	0.0	20.9	21.4	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		287	A		286	A		584	A		259	A
Approach Delay, s/veh		22.3			23.0			18.0			21.3	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.7	13.0		18.2	8.6	14.1		11.8				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.3	4.2		8.9	5.5	3.8		4.7				
Green Ext Time (p_c), s	0.2	1.6		4.0	0.1	1.3		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		20.5	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	16	99	814	8	138	660
Future Volume (veh/h)	16	99	814	8	138	660
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	0	857	0	145	695
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	30		1914		189	2692
Arrive On Green	0.02	0.00	0.54	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	17	0	857	0	145	695
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.4	0.0	6.5	0.0	3.5	2.6
Cycle Q Clear(g_c), s	0.4	0.0	6.5	0.0	3.5	2.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	30		1914		189	2692
V/C Ratio(X)	0.56		0.45		0.77	0.26
Avail Cap(c_a), veh/h	1325		3204		803	4806
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	0.0	6.2	0.0	19.3	1.6
Incr Delay (d2), s/veh	5.9	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.6	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.5	0.0	6.8	0.0	21.7	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	17	A	857	A		840
Approach Delay, s/veh	27.5		6.8			5.2
Approach LOS	C		A			A

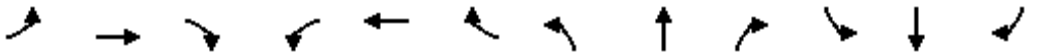
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	38.6	9.7	28.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.4	4.6	5.5	8.5
Green Ext Time (p_c), s	0.0	14.9	0.1	15.4

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	270	448	247	109	336	111	494	58	103	25
Future Volume (veh/h)	46	257	270	448	247	109	336	111	494	58	103	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	462	255	0	346	114	198	60	106	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	114	561		616	476		408	483	404	124	185	153
Arrive On Green	0.06	0.16	0.00	0.18	0.25	0.00	0.23	0.26	0.26	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1560
Grp Volume(v), veh/h	47	265	0	462	255	0	346	114	198	60	106	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1560
Q Serve(g_s), s	1.4	3.8	0.0	7.0	6.5	0.0	10.3	2.7	6.0	1.8	3.0	0.1
Cycle Q Clear(g_c), s	1.4	3.8	0.0	7.0	6.5	0.0	10.3	2.7	6.0	1.8	3.0	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	114	561		616	476		408	483	404	124	185	153
V/C Ratio(X)	0.41	0.47		0.75	0.54		0.85	0.24	0.49	0.48	0.57	0.03
Avail Cap(c_a), veh/h	1934	3864		1876	1015		967	1015	848	967	2034	1683
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.1	21.4	0.0	21.8	18.0	0.0	20.6	16.4	17.6	25.0	24.0	22.7
Incr Delay (d2), s/veh	2.4	0.9	0.0	0.7	1.3	0.0	1.9	0.1	0.3	1.1	4.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.5	0.0	2.6	2.7	0.0	4.0	1.0	2.0	0.8	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.5	22.3	0.0	22.5	19.3	0.0	22.5	16.5	18.0	26.0	28.0	22.8
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312	A		717	A		658			170	
Approach Delay, s/veh		23.1			21.4			20.1			27.2	
Approach LOS		C			C			C			C	

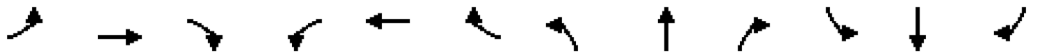
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.5	19.6	7.9	19.8	13.8	14.2	16.7	11.0
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.4	8.5	3.8	8.0	9.0	5.8	12.3	5.0
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.8	2.6	0.5	1.0

Intersection Summary	
HCM 6th Ctrl Delay	21.7
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	234	128	423	112	154	74	474	92	111	80	203	194
Future Volume (veh/h)	234	128	423	112	154	74	474	92	111	80	203	194
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	252	138	0	120	166	0	510	99	0	86	218	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	307	778		156	478		839	454		234	466	
Arrive On Green	0.17	0.22	0.00	0.09	0.13	0.00	0.24	0.24	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	252	138	0	120	166	0	510	99	0	86	218	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	8.1	1.9	0.0	3.9	2.5	0.0	7.8	2.5	0.0	2.6	3.4	0.0
Cycle Q Clear(g_c), s	8.1	1.9	0.0	3.9	2.5	0.0	7.8	2.5	0.0	2.6	3.4	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	307	778		156	478		839	454		234	466	
V/C Ratio(X)	0.82	0.18		0.77	0.35		0.61	0.22		0.37	0.47	
Avail Cap(c_a), veh/h	748	2986		748	2986		2903	1571		898	1791	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.7	18.9	0.0	26.6	23.4	0.0	20.0	18.0	0.0	23.6	23.9	0.0
Incr Delay (d2), s/veh	2.1	0.2	0.0	3.0	0.6	0.0	1.0	0.3	0.0	0.4	0.3	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	0.7	0.0	1.7	1.0	0.0	3.1	1.1	0.0	1.1	1.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	25.8	19.0	0.0	29.5	24.0	0.0	21.0	18.4	0.0	24.0	24.2	0.0
LnGrp LOS	C	B		C	C		C	B		C	C	
Approach Vol, veh/h		390			286			609			304	
Approach Delay, s/veh		23.4			26.3			20.6			24.1	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	14.3	13.0		19.4	9.2	18.0		12.8				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	10.1	4.5		9.8	5.9	3.9		5.4				
Green Ext Time (p_c), s	0.3	1.6		4.3	0.1	1.3		1.1				

Intersection Summary			
HCM 6th Ctrl Delay, s/veh		23.0	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	18	99	886	9	138	753
Future Volume (veh/h)	18	99	886	9	138	753
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	0	933	0	145	793
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	33		1972		189	2729
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	19	0	933	0	145	793
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.4	0.0	3.7	3.1
Cycle Q Clear(g_c), s	0.5	0.0	7.4	0.0	3.7	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	33		1972		189	2729
V/C Ratio(X)	0.57		0.47		0.77	0.29
Avail Cap(c_a), veh/h	1255		3034		761	4552
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.8	0.0	6.3	0.0	20.4	1.6
Incr Delay (d2), s/veh	5.6	0.0	0.6	0.0	2.5	0.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.9	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	28.4	0.0	6.9	0.0	22.8	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	19		933			938
Approach Delay, s/veh	28.4		6.9			5.1
Approach LOS	C		A			A

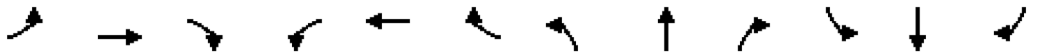
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.9	41.0	10.0	31.0
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	5.1	5.7	9.4
Green Ext Time (p_c), s	0.0	17.7	0.1	16.6

Intersection Summary	
HCM 6th Ctrl Delay, s/veh	6.2
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	292	504	247	109	354	123	536	58	118	25
Future Volume (veh/h)	46	257	292	504	247	109	354	123	536	58	118	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	520	255	0	365	127	205	60	122	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	108	541		664	499		423	526	439	119	207	171
Arrive On Green	0.06	0.15	0.00	0.19	0.26	0.00	0.24	0.28	0.28	0.07	0.11	0.11
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1562
Grp Volume(v), veh/h	47	265	0	520	255	0	365	127	205	60	122	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1562
Q Serve(g_s), s	1.5	4.1	0.0	8.6	7.0	0.0	11.8	3.2	6.5	2.0	3.7	0.1
Cycle Q Clear(g_c), s	1.5	4.1	0.0	8.6	7.0	0.0	11.8	3.2	6.5	2.0	3.7	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	108	541		664	499		423	526	439	119	207	171
V/C Ratio(X)	0.43	0.49		0.78	0.51		0.86	0.24	0.47	0.50	0.59	0.02
Avail Cap(c_a), veh/h	1776	3549		1723	932		888	932	779	888	1868	1548
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.5	23.6	0.0	23.3	18.9	0.0	22.2	16.9	18.1	27.4	25.7	24.1
Incr Delay (d2), s/veh	2.7	1.0	0.0	0.8	1.2	0.0	2.1	0.1	0.3	1.2	3.8	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.7	0.0	3.3	2.9	0.0	4.7	1.2	2.3	0.9	1.8	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	30.2	24.6	0.0	24.1	20.1	0.0	24.3	17.0	18.4	28.6	29.5	24.2
LnGrp LOS	C	C		C	C		C	B	B	C	C	C
Approach Vol, veh/h		312			775			697			186	
Approach Delay, s/veh		25.4			22.8			21.3			29.1	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.7	21.6	8.0	22.4	15.6	14.7	18.3	12.1
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.5	9.0	4.0	8.5	10.6	6.1	13.8	5.7
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	1.0	2.6	0.5	1.2

Intersection Summary	
HCM 6th Ctrl Delay, s/veh	23.3
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	177	128	423	112	154	57	474	79	111	69	195	160
Future Volume (veh/h)	177	128	423	112	154	57	474	79	111	69	195	160
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	190	138	0	120	166	0	510	85	0	74	210	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	242	681		157	511		854	462		234	467	
Arrive On Green	0.14	0.19	0.00	0.09	0.14	0.00	0.25	0.25	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	190	138	0	120	166	0	510	85	0	74	210	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	5.7	1.8	0.0	3.7	2.3	0.0	7.2	2.0	0.0	2.1	3.0	0.0
Cycle Q Clear(g_c), s	5.7	1.8	0.0	3.7	2.3	0.0	7.2	2.0	0.0	2.1	3.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	242	681		157	511		854	462		234	467	
V/C Ratio(X)	0.79	0.20		0.77	0.32		0.60	0.18		0.32	0.45	
Avail Cap(c_a), veh/h	801	3196		801	3196		3108	1682		961	1918	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.2	18.9	0.0	24.8	21.4	0.0	18.5	16.5	0.0	21.9	22.3	0.0
Incr Delay (d2), s/veh	2.2	0.2	0.0	2.9	0.5	0.0	1.0	0.3	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.7	0.0	1.5	0.9	0.0	2.8	0.8	0.0	0.8	1.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.4	19.1	0.0	27.7	21.9	0.0	19.4	16.8	0.0	22.2	22.5	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		328	A		286	A		595	A		284	A
Approach Delay, s/veh		22.8			24.3			19.1			22.4	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.5	13.0		18.7	8.9	15.7		12.3				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.7	4.3		9.2	5.7	3.8		5.0				
Green Ext Time (p_c), s	0.2	1.6		4.2	0.1	1.3		1.0				

Intersection Summary		
HCM 6th Ctrl Delay		21.5
HCM 6th LOS		C

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	17	99	852	9	138	697
Future Volume (veh/h)	17	99	852	9	138	697
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	18	0	897	0	145	734
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	32		1946		189	2712
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	18	0	897	0	145	734
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.0	0.0	3.6	2.8
Cycle Q Clear(g_c), s	0.5	0.0	7.0	0.0	3.6	2.8
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	32		1946		189	2712
V/C Ratio(X)	0.57		0.46		0.77	0.27
Avail Cap(c_a), veh/h	1287		3112		780	4668
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.3	0.0	6.3	0.0	19.9	1.6
Incr Delay (d2), s/veh	5.7	0.0	0.6	0.0	2.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.7	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.0	0.0	6.9	0.0	22.3	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	18	A	897	A		879
Approach Delay, s/veh	28.0		6.9			5.2
Approach LOS	C		A			A

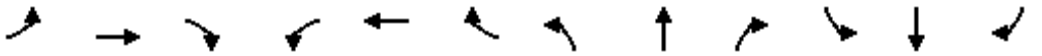
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.8	39.9	9.9	30.0
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	4.8	5.6	9.0
Green Ext Time (p_c), s	0.0	16.0	0.1	16.0

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	257	279	470	247	109	346	117	516	58	109	25
Future Volume (veh/h)	46	257	279	470	247	109	346	117	516	58	109	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	47	265	0	485	255	0	357	121	204	60	112	4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	552		634	485		417	503	421	122	193	160
Arrive On Green	0.06	0.15	0.00	0.18	0.26	0.00	0.23	0.27	0.27	0.07	0.10	0.10
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1561
Grp Volume(v), veh/h	47	265	0	485	255	0	357	121	204	60	112	4
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1561
Q Serve(g_s), s	1.5	3.9	0.0	7.6	6.7	0.0	11.0	2.9	6.3	1.9	3.3	0.1
Cycle Q Clear(g_c), s	1.5	3.9	0.0	7.6	6.7	0.0	11.0	2.9	6.3	1.9	3.3	0.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	552		634	485		417	503	421	122	193	160
V/C Ratio(X)	0.42	0.48		0.76	0.53		0.86	0.24	0.49	0.49	0.58	0.03
Avail Cap(c_a), veh/h	1864	3724		1808	978		932	978	818	932	1960	1623
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.1	22.3	0.0	22.5	18.4	0.0	21.2	16.6	17.8	26.0	24.8	23.3
Incr Delay (d2), s/veh	2.5	0.9	0.0	0.7	1.3	0.0	2.0	0.1	0.3	1.1	3.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.6	0.0	2.9	2.8	0.0	4.3	1.1	0.0	0.8	1.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.7	23.2	0.0	23.2	19.7	0.0	23.2	16.7	18.2	27.1	28.6	23.4
LnGrp LOS	C	C		C	B		C	B	B	C	C	C
Approach Vol, veh/h		312	A		740	A		682			176	
Approach Delay, s/veh		24.1			22.0			20.6			28.0	
Approach LOS		C			C			C			C	

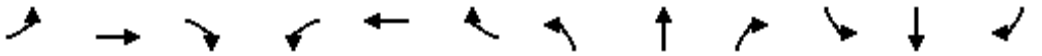
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.6	20.4	7.9	20.9	14.5	14.4	17.4	11.4
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.5	8.7	3.9	8.3	9.6	5.9	13.0	5.3
Green Ext Time (p_c), s	0.1	1.9	0.1	0.7	0.9	2.6	0.5	1.0

Intersection Summary	
HCM 6th Ctrl Delay	22.4
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	130	140	310	50	110	40	420	50	90	40	60	50
Future Volume (veh/h)	130	140	310	50	110	40	420	50	90	40	60	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	160	173	0	62	136	0	519	62	0	49	74	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	207	847		77	588		889	481		131	261	
Arrive On Green	0.12	0.24	0.00	0.04	0.17	0.00	0.26	0.26	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	160	173	0	62	136	0	519	62	0	49	74	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	4.4	1.9	0.0	1.7	1.7	0.0	6.6	1.3	0.0	1.3	1.0	0.0
Cycle Q Clear(g_c), s	4.4	1.9	0.0	1.7	1.7	0.0	6.6	1.3	0.0	1.3	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	207	847		77	588		889	481		131	261	
V/C Ratio(X)	0.77	0.20		0.80	0.23		0.58	0.13		0.37	0.28	
Avail Cap(c_a), veh/h	890	3549		890	3549		3451	1868		1067	2129	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.3	15.1	0.0	23.5	17.9	0.0	16.1	14.1	0.0	21.9	21.7	0.0
Incr Delay (d2), s/veh	2.3	0.2	0.0	7.0	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.7	0.0	0.8	0.6	0.0	2.4	0.5	0.0	0.5	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.6	15.2	0.0	30.5	18.2	0.0	16.9	14.3	0.0	22.6	22.0	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		333			198			581			123	
Approach Delay, s/veh		19.2			22.1			16.6			22.2	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.8	13.3		17.9	6.2	16.9		8.7				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.4	3.7		8.6	3.7	3.9		3.3				
Green Ext Time (p_c), s	0.2	1.3		4.0	0.1	1.6		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		18.8	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	10	40	550	10	130	660
Future Volume (veh/h)	10	40	550	10	130	660
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	13	0	705	0	167	846
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	24		1731		218	2603
Arrive On Green	0.01	0.00	0.49	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	13	0	705	0	167	846
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.1	0.0	3.7	3.3
Cycle Q Clear(g_c), s	0.3	0.0	5.1	0.0	3.7	3.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	24		1731		218	2603
V/C Ratio(X)	0.55		0.41		0.77	0.32
Avail Cap(c_a), veh/h	1447		3500		877	5250
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.8	0.0	6.5	0.0	17.1	1.8
Incr Delay (d2), s/veh	7.1	0.0	0.6	0.0	2.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.9	0.0	7.1	0.0	19.3	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	13		705			1013
Approach Delay, s/veh	26.9		7.1			4.9
Approach LOS	C		A			A

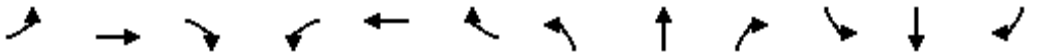
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.5	34.7	10.0	24.8
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.3	5.7	7.1
Green Ext Time (p_c), s	0.0	19.3	0.2	12.6

Intersection Summary	
HCM 6th Ctrl Delay	6.0
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	260	470	470	280	190	80	380	60	80	30
Future Volume (veh/h)	40	190	260	470	470	280	190	80	380	60	80	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	485	485	0	196	82	94	62	82	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	832		650	637		251	275	229	130	148	122
Arrive On Green	0.06	0.23	0.00	0.19	0.34	0.00	0.14	0.15	0.15	0.07	0.08	0.08
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1556
Grp Volume(v), veh/h	41	196	0	485	485	0	196	82	94	62	82	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1556
Q Serve(g_s), s	1.1	2.3	0.0	6.9	12.0	0.0	5.5	2.0	2.8	1.7	2.2	0.2
Cycle Q Clear(g_c), s	1.1	2.3	0.0	6.9	12.0	0.0	5.5	2.0	2.8	1.7	2.2	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	832		650	637		251	275	229	130	148	122
V/C Ratio(X)	0.37	0.24		0.75	0.76		0.78	0.30	0.41	0.48	0.55	0.04
Avail Cap(c_a), veh/h	2056	4109		1995	1080		1028	1080	901	1028	2163	1785
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.6	16.3	0.0	20.1	15.5	0.0	21.8	20.0	20.3	23.3	23.3	22.3
Incr Delay (d2), s/veh	2.0	0.2	0.0	0.6	2.7	0.0	2.0	0.2	0.4	1.0	4.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.5	4.7	0.0	2.2	0.8	1.0	0.7	1.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.6	16.5	0.0	20.8	18.2	0.0	23.8	20.2	20.8	24.3	27.8	22.5
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237			970			372			149	
Approach Delay, s/veh		18.1			19.5			22.2			26.2	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.2	7.8	13.1	13.8	17.7	11.3	9.6
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.1	14.0	3.7	4.8	8.9	4.3	7.5	4.2
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.5
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	140	510	120	160	50	530	70	120	60	190	120
Future Volume (veh/h)	140	140	510	120	160	50	530	70	120	60	190	120
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	151	151	0	129	172	0	570	75	0	65	204	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	196	572		168	518		929	503		231	461	
Arrive On Green	0.11	0.16	0.00	0.09	0.15	0.00	0.27	0.27	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	151	151	0	129	172	0	570	75	0	65	204	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.5	2.0	0.0	3.9	2.4	0.0	7.9	1.7	0.0	1.8	2.9	0.0
Cycle Q Clear(g_c), s	4.5	2.0	0.0	3.9	2.4	0.0	7.9	1.7	0.0	1.8	2.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	196	572		168	518		929	503		231	461	
V/C Ratio(X)	0.77	0.26		0.77	0.33		0.61	0.15		0.28	0.44	
Avail Cap(c_a), veh/h	811	3235		811	3235		3146	1703		973	1941	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.8	20.2	0.0	24.3	21.1	0.0	17.6	15.3	0.0	21.6	22.1	0.0
Incr Delay (d2), s/veh	2.4	0.3	0.0	2.8	0.5	0.0	0.9	0.2	0.0	0.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	0.8	0.0	1.6	0.9	0.0	3.0	0.7	0.0	0.7	1.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.2	20.5	0.0	27.0	21.6	0.0	18.5	15.5	0.0	21.8	22.3	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		302			301			645			269	
Approach Delay, s/veh		23.4			23.9			18.2			22.2	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.0	13.0		19.8	9.2	13.8		12.1				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.5	4.4		9.9	5.9	4.0		4.9				
Green Ext Time (p_c), s	0.2	1.6		4.5	0.1	1.4		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		21.1	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	20	100	860	20	140	740
Future Volume (veh/h)	20	100	860	20	140	740
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	21	0	905	0	147	779
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	36		1945		192	2712
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	21	0	905	0	147	779
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.1	0.0	3.7	3.1
Cycle Q Clear(g_c), s	0.5	0.0	7.1	0.0	3.7	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	36		1945		192	2712
V/C Ratio(X)	0.58		0.47		0.77	0.29
Avail Cap(c_a), veh/h	1272		3077		771	4616
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.4	0.0	6.4	0.0	20.0	1.7
Incr Delay (d2), s/veh	5.2	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.8	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.7	0.0	7.0	0.0	22.5	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	21		905			926
Approach Delay, s/veh	27.7		7.0			5.1
Approach LOS	C		A			A

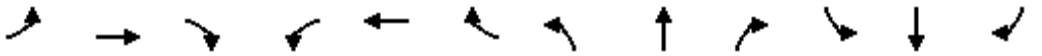
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.9	40.3	10.0	30.3
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	5.1	5.7	9.1
Green Ext Time (p_c), s	0.0	17.3	0.2	16.1

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	270	530	280	180	340	150	530	120	130	30
Future Volume (veh/h)	50	310	270	530	280	180	340	150	530	120	130	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	546	289	0	351	155	231	124	134	8
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	109	604		681	543		405	460	384	179	223	185
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.24	0.24	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	546	289	0	351	155	231	124	134	8
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	1.8	5.3	0.0	9.7	8.4	0.0	12.2	4.4	8.5	4.3	4.4	0.3
Cycle Q Clear(g_c), s	1.8	5.3	0.0	9.7	8.4	0.0	12.2	4.4	8.5	4.3	4.4	0.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	109	604		681	543		405	460	384	179	223	185
V/C Ratio(X)	0.48	0.53		0.80	0.53		0.87	0.34	0.60	0.69	0.60	0.04
Avail Cap(c_a), veh/h	1656	3309		1606	869		828	869	726	828	1741	1444
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.6	24.7	0.0	25.0	19.5	0.0	24.3	20.3	21.8	28.3	27.2	25.4
Incr Delay (d2), s/veh	3.2	1.0	0.0	0.8	1.2	0.0	2.2	0.2	0.6	1.8	3.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	2.2	0.0	3.8	3.5	0.0	5.0	1.8	3.0	1.9	2.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.7	25.7	0.0	25.8	20.6	0.0	26.5	20.4	22.4	30.1	30.9	25.6
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372			835			737			266	
Approach Delay, s/veh		26.7			24.0			23.9			30.4	
Approach LOS		C			C			C			C	

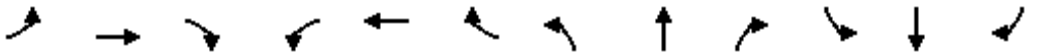
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	24.2	10.5	21.4	16.7	16.5	18.7	13.2
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.8	10.4	6.3	10.5	11.7	7.3	14.2	6.4
Green Ext Time (p_c), s	0.1	2.2	0.2	0.9	1.0	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	25.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



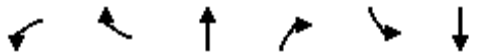
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	174	140	310	50	110	53	420	60	90	47	65	72
Future Volume (veh/h)	174	140	310	50	110	53	420	60	90	47	65	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	215	173	0	62	136	0	519	74	0	58	80	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	271	934		78	550		871	472		141	281	
Arrive On Green	0.15	0.26	0.00	0.04	0.16	0.00	0.25	0.25	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	215	173	0	62	136	0	519	74	0	58	80	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	6.2	2.0	0.0	1.8	1.8	0.0	7.1	1.6	0.0	1.7	1.1	0.0
Cycle Q Clear(g_c), s	6.2	2.0	0.0	1.8	1.8	0.0	7.1	1.6	0.0	1.7	1.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	271	934		78	550		871	472		141	281	
V/C Ratio(X)	0.79	0.19		0.80	0.25		0.60	0.16		0.41	0.28	
Avail Cap(c_a), veh/h	830	3312		830	3312		3221	1743		996	1987	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.7	15.1	0.0	25.2	19.7	0.0	17.4	15.4	0.0	23.3	23.1	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	6.8	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	0.7	0.0	0.9	0.7	0.0	2.7	0.7	0.0	0.7	0.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.8	15.3	0.0	32.0	20.1	0.0	18.4	15.6	0.0	24.0	23.3	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		388	A		198	A		593	A		138	A
Approach Delay, s/veh		20.0			23.8			18.0			23.6	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	12.1	13.3		18.5	6.3	19.1		9.2				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	8.2	3.8		9.1	3.8	4.0		3.7				
Green Ext Time (p_c), s	0.3	1.3		4.1	0.1	1.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		20.0	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	11	40	571	11	130	703
Future Volume (veh/h)	11	40	571	11	130	703
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	14	0	732	0	167	901
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	25		1758		217	2620
Arrive On Green	0.01	0.00	0.50	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	14	0	732	0	167	901
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.4	0.0	3.8	3.6
Cycle Q Clear(g_c), s	0.3	0.0	5.4	0.0	3.8	3.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	25		1758		217	2620
V/C Ratio(X)	0.55		0.42		0.77	0.34
Avail Cap(c_a), veh/h	1415		3421		857	5131
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	20.2	0.0	6.5	0.0	17.5	1.8
Incr Delay (d2), s/veh	6.8	0.0	0.6	0.0	2.2	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.9	0.0	7.1	0.0	19.7	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	14	A	732	A		1068
Approach Delay, s/veh	26.9		7.1			4.9
Approach LOS	C		A			A

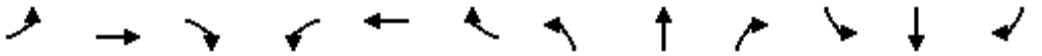
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.6	35.6	10.1	25.6
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.6	5.8	7.4
Green Ext Time (p_c), s	0.0	21.1	0.2	13.1

Intersection Summary	
HCM 6th Ctrl Delay	5.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	270	496	470	280	195	83	393	60	87	30
Future Volume (veh/h)	40	190	270	496	470	280	195	83	393	60	87	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	511	485	0	201	86	99	62	90	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	110	797		674	633		256	294	245	129	161	133
Arrive On Green	0.06	0.22	0.00	0.19	0.34	0.00	0.14	0.16	0.16	0.07	0.09	0.09
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1558
Grp Volume(v), veh/h	41	196	0	511	485	0	201	86	99	62	90	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1558
Q Serve(g_s), s	1.2	2.4	0.0	7.4	12.3	0.0	5.8	2.2	3.0	1.8	2.4	0.2
Cycle Q Clear(g_c), s	1.2	2.4	0.0	7.4	12.3	0.0	5.8	2.2	3.0	1.8	2.4	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	110	797		674	633		256	294	245	129	161	133
V/C Ratio(X)	0.37	0.25		0.76	0.77		0.78	0.29	0.40	0.48	0.56	0.04
Avail Cap(c_a), veh/h	2018	4033		1958	1060		1009	1060	884	1009	2123	1754
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.1	17.1	0.0	20.3	15.8	0.0	22.1	19.9	20.3	23.8	23.4	22.4
Incr Delay (d2), s/veh	2.1	0.2	0.0	0.7	2.8	0.0	2.0	0.2	0.4	1.0	4.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.7	4.9	0.0	2.3	0.9	1.1	0.7	1.2	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.1	17.3	0.0	21.0	18.6	0.0	24.1	20.1	20.7	24.8	27.7	22.6
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		996	A		386			157	
Approach Delay, s/veh		18.8			19.8			22.3			26.4	
Approach LOS		B			B			C			C	

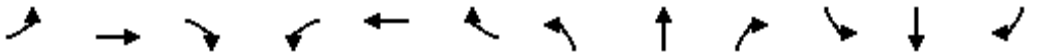
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.4	7.8	13.8	14.3	17.4	11.6	10.1
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.2	14.3	3.8	5.0	9.4	4.4	7.8	4.4
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.3	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.8
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



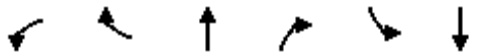
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	155	140	310	50	110	48	420	56	90	41	61	53
Future Volume (veh/h)	155	140	310	50	110	48	420	56	90	41	61	53
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	191	173	0	62	136	0	519	69	0	51	75	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	244	900		78	568		880	476		132	264	
Arrive On Green	0.14	0.26	0.00	0.04	0.16	0.00	0.26	0.26	0.00	0.07	0.07	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	191	173	0	62	136	0	519	69	0	51	75	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	5.4	2.0	0.0	1.8	1.7	0.0	6.8	1.5	0.0	1.4	1.0	0.0
Cycle Q Clear(g_c), s	5.4	2.0	0.0	1.8	1.7	0.0	6.8	1.5	0.0	1.4	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	244	900		78	568		880	476		132	264	
V/C Ratio(X)	0.78	0.19		0.80	0.24		0.59	0.14		0.38	0.28	
Avail Cap(c_a), veh/h	858	3425		858	3425		3330	1802		1030	2055	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.4	15.0	0.0	24.4	18.8	0.0	16.8	14.8	0.0	22.7	22.5	0.0
Incr Delay (d2), s/veh	2.1	0.1	0.0	6.9	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	0.7	0.0	0.8	0.7	0.0	2.5	0.6	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.5	15.2	0.0	31.2	19.1	0.0	17.7	15.0	0.0	23.4	22.7	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		364	A		198	A		588	A		126	A
Approach Delay, s/veh		19.5			22.9			17.3			23.0	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.1	13.3		18.2	6.3	18.1		8.9				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.4	3.7		8.8	3.8	4.0		3.4				
Green Ext Time (p_c), s	0.2	1.3		4.1	0.1	1.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		19.4	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	10	40	553	10	130	685
Future Volume (veh/h)	10	40	553	10	130	685
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	13	0	709	0	167	878
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	24		1736		218	2606
Arrive On Green	0.01	0.00	0.49	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	13	0	709	0	167	878
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.2	0.0	3.7	3.5
Cycle Q Clear(g_c), s	0.3	0.0	5.2	0.0	3.7	3.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	24		1736		218	2606
V/C Ratio(X)	0.55		0.41		0.77	0.34
Avail Cap(c_a), veh/h	1443		3489		874	5233
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.8	0.0	6.5	0.0	17.2	1.8
Incr Delay (d2), s/veh	7.1	0.0	0.6	0.0	2.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.9	0.0	7.1	0.0	19.3	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	13	A	709	A		1045
Approach Delay, s/veh	26.9		7.1			4.9
Approach LOS	C		A			A

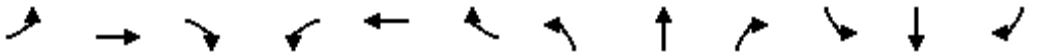
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.5	34.9	10.0	24.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.5	5.7	7.2
Green Ext Time (p_c), s	0.0	20.3	0.2	12.7

Intersection Summary	
HCM 6th Ctrl Delay	5.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	266	485	470	280	191	81	381	60	84	30
Future Volume (veh/h)	40	190	266	485	470	280	191	81	381	60	84	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	500	485	0	197	84	95	62	87	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	812		664	635		252	284	237	130	156	129
Arrive On Green	0.06	0.23	0.00	0.19	0.34	0.00	0.14	0.15	0.15	0.07	0.08	0.08
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1557
Grp Volume(v), veh/h	41	196	0	500	485	0	197	84	95	62	87	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1557
Q Serve(g_s), s	1.2	2.4	0.0	7.2	12.1	0.0	5.6	2.1	2.9	1.8	2.3	0.2
Cycle Q Clear(g_c), s	1.2	2.4	0.0	7.2	12.1	0.0	5.6	2.1	2.9	1.8	2.3	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	812		664	635		252	284	237	130	156	129
V/C Ratio(X)	0.37	0.24		0.75	0.76		0.78	0.30	0.40	0.48	0.56	0.04
Avail Cap(c_a), veh/h	2038	4072		1976	1070		1019	1070	893	1019	2143	1770
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.8	16.7	0.0	20.2	15.6	0.0	21.9	20.0	20.3	23.6	23.3	22.3
Incr Delay (d2), s/veh	2.0	0.2	0.0	0.7	2.7	0.0	2.0	0.2	0.4	1.0	4.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.6	4.8	0.0	2.2	0.8	1.0	0.7	1.2	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.9	16.9	0.0	20.9	18.4	0.0	24.0	20.2	20.7	24.6	27.7	22.5
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		985	A		376			154	
Approach Delay, s/veh		18.5			19.7			22.3			26.3	
Approach LOS		B			B			C			C	

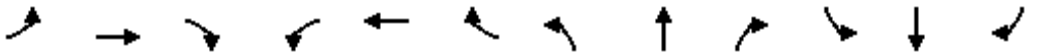
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.3	7.8	13.5	14.1	17.5	11.4	9.9
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.2	14.1	3.8	4.9	9.2	4.4	7.6	4.3
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	175	140	310	50	110	55	420	61	90	44	63	62
Future Volume (veh/h)	175	140	310	50	110	55	420	61	90	44	63	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	216	173	0	62	136	0	519	75	0	54	78	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	272	938		78	551		873	473		136	271	
Arrive On Green	0.15	0.27	0.00	0.04	0.16	0.00	0.25	0.25	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	216	173	0	62	136	0	519	75	0	54	78	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	6.3	2.0	0.0	1.8	1.8	0.0	7.1	1.7	0.0	1.5	1.1	0.0
Cycle Q Clear(g_c), s	6.3	2.0	0.0	1.8	1.8	0.0	7.1	1.7	0.0	1.5	1.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	272	938		78	551		873	473		136	271	
V/C Ratio(X)	0.79	0.18		0.80	0.25		0.59	0.16		0.40	0.29	
Avail Cap(c_a), veh/h	833	3323		833	3323		3231	1749		999	1994	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.6	15.0	0.0	25.1	19.6	0.0	17.4	15.4	0.0	23.3	23.1	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	6.8	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	0.7	0.0	0.9	0.7	0.0	2.7	0.7	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.7	15.2	0.0	31.9	20.0	0.0	18.3	15.6	0.0	24.0	23.3	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		389	A		198	A		594	A		132	A
Approach Delay, s/veh		19.9			23.7			17.9			23.6	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	12.2	13.3		18.5	6.3	19.1		9.1				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	8.3	3.8		9.1	3.8	4.0		3.5				
Green Ext Time (p_c), s	0.3	1.3		4.1	0.1	1.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		20.0	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	10	40	562	10	130	705
Future Volume (veh/h)	10	40	562	10	130	705
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	13	0	721	0	167	904
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	24		1748		217	2614
Arrive On Green	0.01	0.00	0.50	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	13	0	721	0	167	904
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.3	0.0	3.7	3.6
Cycle Q Clear(g_c), s	0.3	0.0	5.3	0.0	3.7	3.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	24		1748		217	2614
V/C Ratio(X)	0.55		0.41		0.77	0.35
Avail Cap(c_a), veh/h	1429		3456		866	5183
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	20.0	0.0	6.5	0.0	17.3	1.8
Incr Delay (d2), s/veh	7.1	0.0	0.6	0.0	2.2	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.1	0.0	7.1	0.0	19.5	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	13	A	721	A		1071
Approach Delay, s/veh	27.1		7.1			4.8
Approach LOS	C		A			A

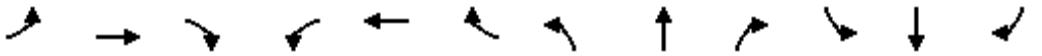
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.5	35.3	10.0	25.2
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.6	5.7	7.3
Green Ext Time (p_c), s	0.0	21.2	0.2	12.9

Intersection Summary	
HCM 6th Ctrl Delay	5.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	271	497	470	280	193	82	387	60	87	30
Future Volume (veh/h)	40	190	271	497	470	280	193	82	387	60	87	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	512	485	0	199	85	97	62	90	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	110	796		676	634		254	292	243	129	161	133
Arrive On Green	0.06	0.22	0.00	0.19	0.34	0.00	0.14	0.15	0.15	0.07	0.09	0.09
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1558
Grp Volume(v), veh/h	41	196	0	512	485	0	199	85	97	62	90	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1558
Q Serve(g_s), s	1.2	2.4	0.0	7.4	12.2	0.0	5.7	2.1	3.0	1.8	2.4	0.2
Cycle Q Clear(g_c), s	1.2	2.4	0.0	7.4	12.2	0.0	5.7	2.1	3.0	1.8	2.4	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	110	796		676	634		254	292	243	129	161	133
V/C Ratio(X)	0.37	0.25		0.76	0.77		0.78	0.29	0.40	0.48	0.56	0.04
Avail Cap(c_a), veh/h	2023	4043		1962	1062		1012	1062	886	1012	2128	1758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.0	17.0	0.0	20.3	15.8	0.0	22.1	19.9	20.3	23.7	23.4	22.3
Incr Delay (d2), s/veh	2.1	0.2	0.0	0.7	2.8	0.0	2.0	0.2	0.4	1.0	4.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.7	4.9	0.0	2.3	0.9	1.0	0.7	1.2	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.1	17.3	0.0	20.9	18.6	0.0	24.1	20.1	20.7	24.8	27.7	22.5
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		997	A		381			157	
Approach Delay, s/veh		18.8			19.8			22.3			26.4	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.4	7.8	13.7	14.3	17.3	11.5	10.0
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.2	14.2	3.8	5.0	9.4	4.4	7.7	4.4
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.3	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.8
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	131	140	310	50	110	41	420	50	90	41	61	53
Future Volume (veh/h)	131	140	310	50	110	41	420	50	90	41	61	53
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	162	173	0	62	136	0	519	62	0	51	75	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	210	849		77	585		887	480		133	266	
Arrive On Green	0.12	0.24	0.00	0.04	0.17	0.00	0.26	0.26	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	162	173	0	62	136	0	519	62	0	51	75	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	4.4	2.0	0.0	1.7	1.7	0.0	6.6	1.3	0.0	1.4	1.0	0.0
Cycle Q Clear(g_c), s	4.4	2.0	0.0	1.7	1.7	0.0	6.6	1.3	0.0	1.4	1.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	210	849		77	585		887	480		133	266	
V/C Ratio(X)	0.77	0.20		0.80	0.23		0.58	0.13		0.38	0.28	
Avail Cap(c_a), veh/h	886	3534		886	3534		3436	1860		1063	2120	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.3	15.1	0.0	23.6	18.0	0.0	16.1	14.2	0.0	22.0	21.8	0.0
Incr Delay (d2), s/veh	2.3	0.2	0.0	7.0	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	0.7	0.0	0.8	0.6	0.0	2.4	0.5	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.6	15.3	0.0	30.6	18.3	0.0	17.0	14.3	0.0	22.6	22.0	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		335	A		198	A		581	A		126	A
Approach Delay, s/veh		19.3			22.2			16.7			22.2	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.9	13.3		17.9	6.2	17.0		8.8				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.4	3.7		8.6	3.7	4.0		3.4				
Green Ext Time (p_c), s	0.2	1.3		4.0	0.1	1.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		18.9	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	10	40	553	10	130	661
Future Volume (veh/h)	10	40	553	10	130	661
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	13	0	709	0	167	847
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	24		1736		218	2606
Arrive On Green	0.01	0.00	0.49	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	13	0	709	0	167	847
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.2	0.0	3.7	3.3
Cycle Q Clear(g_c), s	0.3	0.0	5.2	0.0	3.7	3.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	24		1736		218	2606
V/C Ratio(X)	0.55		0.41		0.77	0.33
Avail Cap(c_a), veh/h	1443		3489		874	5233
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	19.8	0.0	6.5	0.0	17.2	1.8
Incr Delay (d2), s/veh	7.1	0.0	0.6	0.0	2.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.9	0.0	7.1	0.0	19.3	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	13	A	709	A		1014
Approach Delay, s/veh	26.9		7.1			4.9
Approach LOS	C		A			A

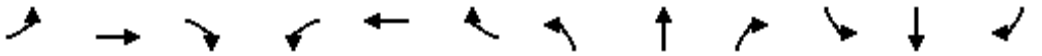
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.5	34.9	10.0	24.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.3	5.7	7.2
Green Ext Time (p_c), s	0.0	19.4	0.2	12.7

Intersection Summary	
HCM 6th Ctrl Delay	6.0
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	260	471	470	280	191	81	381	60	80	30
Future Volume (veh/h)	40	190	260	471	470	280	191	81	381	60	80	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	486	485	0	197	84	94	62	82	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	831		651	637		252	276	230	130	148	122
Arrive On Green	0.06	0.23	0.00	0.19	0.34	0.00	0.14	0.15	0.15	0.07	0.08	0.08
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1556
Grp Volume(v), veh/h	41	196	0	486	485	0	197	84	94	62	82	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1556
Q Serve(g_s), s	1.1	2.3	0.0	6.9	12.0	0.0	5.6	2.1	2.8	1.7	2.2	0.2
Cycle Q Clear(g_c), s	1.1	2.3	0.0	6.9	12.0	0.0	5.6	2.1	2.8	1.7	2.2	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	831		651	637		252	276	230	130	148	122
V/C Ratio(X)	0.37	0.24		0.75	0.76		0.78	0.30	0.41	0.48	0.55	0.04
Avail Cap(c_a), veh/h	2054	4104		1992	1078		1027	1078	900	1027	2160	1783
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.6	16.4	0.0	20.2	15.5	0.0	21.8	20.0	20.3	23.4	23.3	22.3
Incr Delay (d2), s/veh	2.0	0.2	0.0	0.7	2.7	0.0	2.0	0.2	0.4	1.0	4.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.5	4.8	0.0	2.2	0.8	1.0	0.7	1.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.6	16.6	0.0	20.8	18.2	0.0	23.8	20.2	20.8	24.4	27.8	22.5
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		971	A		375			149	
Approach Delay, s/veh		18.1			19.5			22.2			26.2	
Approach LOS		B			B			C			C	

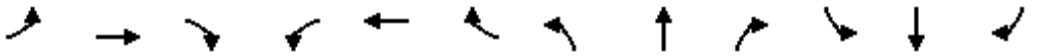
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.2	7.8	13.2	13.8	17.7	11.4	9.6
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.1	14.0	3.7	4.8	8.9	4.3	7.6	4.2
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.5
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	208	140	310	50	110	65	420	68	90	58	74	108
Future Volume (veh/h)	208	140	310	50	110	65	420	68	90	58	74	108
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	257	173	0	62	136	0	519	84	0	72	91	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	314	989		78	519		857	464		157	314	
Arrive On Green	0.18	0.28	0.00	0.04	0.15	0.00	0.25	0.25	0.00	0.09	0.09	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	257	173	0	62	136	0	519	84	0	72	91	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	7.9	2.1	0.0	2.0	1.9	0.0	7.6	2.0	0.0	2.2	1.4	0.0
Cycle Q Clear(g_c), s	7.9	2.1	0.0	2.0	1.9	0.0	7.6	2.0	0.0	2.2	1.4	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	314	989		78	519		857	464		157	314	
V/C Ratio(X)	0.82	0.17		0.79	0.26		0.61	0.18		0.46	0.29	
Avail Cap(c_a), veh/h	782	3120		782	3120		3034	1642		938	1872	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	22.4	15.4	0.0	26.7	21.4	0.0	18.7	16.6	0.0	24.4	24.1	0.0
Incr Delay (d2), s/veh	2.0	0.1	0.0	6.6	0.4	0.0	1.0	0.3	0.0	0.8	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	0.8	0.0	0.9	0.8	0.0	2.9	0.8	0.0	0.9	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.4	15.5	0.0	33.3	21.7	0.0	19.7	16.9	0.0	25.2	24.3	0.0
LnGrp LOS	C	B		C	C		B	B		C	C	
Approach Vol, veh/h		430	A		198	A		603	A		163	A
Approach Delay, s/veh		20.8			25.4			19.3			24.7	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	14.0	13.3		19.1	6.5	20.9		10.0				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	9.9	3.9		9.6	4.0	4.1		4.2				
Green Ext Time (p_c), s	0.3	1.2		4.2	0.1	1.6		0.5				

Intersection Summary			
HCM 6th Ctrl Delay		21.3	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	11	40	607	11	130	737
Future Volume (veh/h)	11	40	607	11	130	737
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	14	0	778	0	167	945
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	25		1804		217	2650
Arrive On Green	0.01	0.00	0.51	0.00	0.12	0.75
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	14	0	778	0	167	945
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.9	0.0	3.9	3.9
Cycle Q Clear(g_c), s	0.3	0.0	5.9	0.0	3.9	3.9
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	25		1804		217	2650
V/C Ratio(X)	0.55		0.43		0.77	0.36
Avail Cap(c_a), veh/h	1365		3300		827	4949
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	20.9	0.0	6.5	0.0	18.2	1.8
Incr Delay (d2), s/veh	6.8	0.0	0.6	0.0	2.2	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.5	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.7	0.0	7.1	0.0	20.3	2.1
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	14	A	778	A		1112
Approach Delay, s/veh	27.7		7.1			4.8
Approach LOS	C		A			A

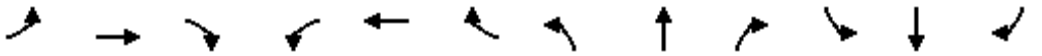
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.6	37.1	10.3	26.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.9	5.9	7.9
Green Ext Time (p_c), s	0.0	22.5	0.2	14.0

Intersection Summary	
HCM 6th Ctrl Delay	5.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	278	517	470	280	204	89	414	60	92	30
Future Volume (veh/h)	40	190	278	517	470	280	204	89	414	60	92	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	533	485	0	210	92	108	62	95	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	109	765		695	630		266	313	261	128	168	139
Arrive On Green	0.06	0.21	0.00	0.20	0.33	0.00	0.15	0.17	0.17	0.07	0.09	0.09
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1559
Grp Volume(v), veh/h	41	196	0	533	485	0	210	92	108	62	95	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1559
Q Serve(g_s), s	1.2	2.5	0.0	7.9	12.5	0.0	6.1	2.3	3.3	1.8	2.6	0.2
Cycle Q Clear(g_c), s	1.2	2.5	0.0	7.9	12.5	0.0	6.1	2.3	3.3	1.8	2.6	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	109	765		695	630		266	313	261	128	168	139
V/C Ratio(X)	0.38	0.26		0.77	0.77		0.79	0.29	0.41	0.48	0.56	0.04
Avail Cap(c_a), veh/h	1981	3959		1922	1040		991	1040	868	991	2084	1723
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.6	17.8	0.0	20.6	16.2	0.0	22.3	19.9	20.3	24.3	23.7	22.6
Incr Delay (d2), s/veh	2.1	0.2	0.0	0.7	2.9	0.0	2.0	0.2	0.4	1.1	4.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.9	5.0	0.0	2.5	0.9	1.2	0.8	1.3	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.7	18.0	0.0	21.3	19.1	0.0	24.3	20.1	20.7	25.3	27.9	22.8
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		1018	A		410			162	
Approach Delay, s/veh		19.5			20.2			22.4			26.8	
Approach LOS		B			C			C			C	

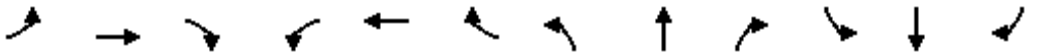
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.7	7.9	14.5	14.8	17.1	12.1	10.4
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.2	14.5	3.8	5.3	9.9	4.5	8.1	4.6
Green Ext Time (p_c), s	0.1	3.6	0.1	0.5	1.0	1.9	0.3	0.9

Intersection Summary	
HCM 6th Ctrl Delay	21.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	149	140	310	50	110	46	420	53	90	44	63	61
Future Volume (veh/h)	149	140	310	50	110	46	420	53	90	44	63	61
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	184	173	0	62	136	0	519	65	0	54	78	0
Peak Hour Factor	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	236	886		78	570		879	476		137	274	
Arrive On Green	0.13	0.25	0.00	0.04	0.16	0.00	0.26	0.26	0.00	0.08	0.08	0.00
Sat Flow, veh/h	1767	3526	1572	1767	3526	1572	3428	1856	1572	1767	3526	1572
Grp Volume(v), veh/h	184	173	0	62	136	0	519	65	0	54	78	0
Grp Sat Flow(s),veh/h/ln	1767	1763	1572	1767	1763	1572	1714	1856	1572	1767	1763	1572
Q Serve(g_s), s	5.2	2.0	0.0	1.8	1.7	0.0	6.8	1.4	0.0	1.5	1.1	0.0
Cycle Q Clear(g_c), s	5.2	2.0	0.0	1.8	1.7	0.0	6.8	1.4	0.0	1.5	1.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	236	886		78	570		879	476		137	274	
V/C Ratio(X)	0.78	0.20		0.80	0.24		0.59	0.14		0.39	0.29	
Avail Cap(c_a), veh/h	862	3439		862	3439		3344	1810		1034	2063	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.5	15.1	0.0	24.3	18.7	0.0	16.7	14.7	0.0	22.5	22.3	0.0
Incr Delay (d2), s/veh	2.1	0.2	0.0	6.9	0.3	0.0	0.9	0.2	0.0	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.7	0.0	0.8	0.6	0.0	2.5	0.6	0.0	0.6	0.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.6	15.3	0.0	31.1	19.0	0.0	17.6	14.9	0.0	23.2	22.5	0.0
LnGrp LOS	C	B		C	B		B	B		C	C	
Approach Vol, veh/h		357	A		198	A		584	A		132	A
Approach Delay, s/veh		19.6			22.8			17.3			22.8	
Approach LOS		B			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.8	13.3		18.1	6.3	17.9		9.0				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.2	3.7		8.8	3.8	4.0		3.5				
Green Ext Time (p_c), s	0.2	1.3		4.0	0.1	1.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		19.4	
HCM 6th LOS		B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	11	40	561	10	130	678
Future Volume (veh/h)	11	40	561	10	130	678
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	14	0	719	0	167	869
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	25		1745		217	2611
Arrive On Green	0.01	0.00	0.49	0.00	0.12	0.74
Sat Flow, veh/h	1767	1572	3618	1572	1767	3618
Grp Volume(v), veh/h	14	0	719	0	167	869
Grp Sat Flow(s),veh/h/ln	1767	1572	1763	1572	1767	1763
Q Serve(g_s), s	0.3	0.0	5.3	0.0	3.7	3.5
Cycle Q Clear(g_c), s	0.3	0.0	5.3	0.0	3.7	3.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	25		1745		217	2611
V/C Ratio(X)	0.55		0.41		0.77	0.33
Avail Cap(c_a), veh/h	1429		3456		866	5184
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	20.0	0.0	6.5	0.0	17.3	1.8
Incr Delay (d2), s/veh	6.7	0.0	0.6	0.0	2.2	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.0	1.4	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.7	0.0	7.1	0.0	19.5	2.1
LnGrp LOS	C		A		B	A
Approach Vol, veh/h	14	A	719	A		1036
Approach Delay, s/veh	26.7		7.1			4.9
Approach LOS	C		A			A

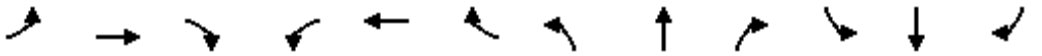
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.6	35.2	10.0	25.2
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.3	5.5	5.7	7.3
Green Ext Time (p_c), s	0.0	20.1	0.2	12.9

Intersection Summary	
HCM 6th Ctrl Delay	6.0
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	190	264	481	470	280	193	82	386	60	83	30
Future Volume (veh/h)	40	190	264	481	470	280	193	82	386	60	83	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	41	196	0	496	485	0	199	85	97	62	86	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	111	816		660	635		254	285	238	130	154	128
Arrive On Green	0.06	0.23	0.00	0.19	0.34	0.00	0.14	0.15	0.15	0.07	0.08	0.08
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1573	1795	1885	1557
Grp Volume(v), veh/h	41	196	0	496	485	0	199	85	97	62	86	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1573	1795	1885	1557
Q Serve(g_s), s	1.2	2.4	0.0	7.1	12.2	0.0	5.7	2.1	3.0	1.8	2.3	0.2
Cycle Q Clear(g_c), s	1.2	2.4	0.0	7.1	12.2	0.0	5.7	2.1	3.0	1.8	2.3	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	111	816		660	635		254	285	238	130	154	128
V/C Ratio(X)	0.37	0.24		0.75	0.76		0.78	0.30	0.41	0.48	0.56	0.04
Avail Cap(c_a), veh/h	2036	4069		1975	1069		1018	1069	892	1018	2141	1769
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.8	16.7	0.0	20.3	15.7	0.0	21.9	20.0	20.3	23.6	23.4	22.4
Incr Delay (d2), s/veh	2.1	0.2	0.0	0.7	2.7	0.0	2.0	0.2	0.4	1.0	4.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.9	0.0	2.6	4.8	0.0	2.3	0.9	1.0	0.7	1.2	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.9	16.9	0.0	20.9	18.4	0.0	23.9	20.2	20.7	24.6	27.8	22.5
LnGrp LOS	C	B		C	B		C	C	C	C	C	C
Approach Vol, veh/h		237	A		981	A		381			153	
Approach Delay, s/veh		18.5			19.7			22.3			26.3	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.3	23.3	7.8	13.5	14.0	17.6	11.5	9.8
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.2	14.2	3.8	5.0	9.1	4.4	7.7	4.3
Green Ext Time (p_c), s	0.1	3.7	0.1	0.4	0.9	1.9	0.3	0.8

Intersection Summary	
HCM 6th Ctrl Delay	20.7
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	187	140	510	120	160	65	530	81	120	78	204	179
Future Volume (veh/h)	187	140	510	120	160	65	530	81	120	78	204	179
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	201	151	0	129	172	0	570	87	0	84	219	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	253	655		168	486		913	494		236	470	
Arrive On Green	0.14	0.18	0.00	0.09	0.14	0.00	0.26	0.26	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	201	151	0	129	172	0	570	87	0	84	219	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	6.4	2.1	0.0	4.1	2.6	0.0	8.5	2.1	0.0	2.5	3.3	0.0
Cycle Q Clear(g_c), s	6.4	2.1	0.0	4.1	2.6	0.0	8.5	2.1	0.0	2.5	3.3	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	253	655		168	486		913	494		236	470	
V/C Ratio(X)	0.80	0.23		0.77	0.35		0.62	0.18		0.36	0.47	
Avail Cap(c_a), veh/h	761	3038		761	3038		2954	1599		914	1823	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.3	20.3	0.0	25.9	22.9	0.0	19.0	16.6	0.0	23.1	23.5	0.0
Incr Delay (d2), s/veh	2.2	0.3	0.0	2.8	0.6	0.0	1.0	0.2	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	0.8	0.0	1.7	1.0	0.0	3.3	0.9	0.0	1.0	1.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.5	20.6	0.0	28.7	23.5	0.0	20.0	16.8	0.0	23.4	23.7	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		352	A		301	A		657	A		303	A
Approach Delay, s/veh		23.9			25.7			19.5			23.7	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	12.3	13.0		20.5	9.5	15.8		12.7				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	8.4	4.6		10.5	6.1	4.1		5.3				
Green Ext Time (p_c), s	0.2	1.6		4.6	0.1	1.4		1.1				

Intersection Summary			
HCM 6th Ctrl Delay		22.4	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	21	100	918	21	140	786
Future Volume (veh/h)	21	100	918	21	140	786
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	22	0	966	0	147	827
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	38		1989		191	2740
Arrive On Green	0.02	0.00	0.56	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	22	0	966	0	147	827
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.6	0.0	7.9	0.0	3.9	3.3
Cycle Q Clear(g_c), s	0.6	0.0	7.9	0.0	3.9	3.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	38		1989		191	2740
V/C Ratio(X)	0.58		0.49		0.77	0.30
Avail Cap(c_a), veh/h	1222		2954		740	4431
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	23.3	0.0	6.4	0.0	20.9	1.6
Incr Delay (d2), s/veh	5.2	0.0	0.7	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	2.0	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.5	0.0	7.1	0.0	23.3	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	22	A	966	A		974
Approach Delay, s/veh	28.5		7.1			5.1
Approach LOS	C		A			A

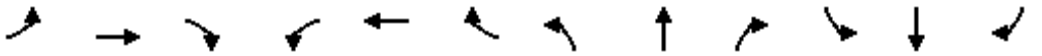
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	6.0	42.1	10.2	31.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.6	5.3	5.9	9.9
Green Ext Time (p_c), s	0.0	18.7	0.2	17.0

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	281	558	280	180	354	159	565	120	137	30
Future Volume (veh/h)	50	310	281	558	280	180	354	159	565	120	137	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	575	289	0	365	164	235	124	141	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	107	592		705	553		417	481	402	177	229	190
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.26	0.26	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	575	289	0	365	164	235	124	141	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	1.9	5.6	0.0	10.7	8.7	0.0	13.4	4.8	8.9	4.6	4.8	0.2
Cycle Q Clear(g_c), s	1.9	5.6	0.0	10.7	8.7	0.0	13.4	4.8	8.9	4.6	4.8	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	107	592		705	553		417	481	402	177	229	190
V/C Ratio(X)	0.49	0.54		0.82	0.52		0.88	0.34	0.59	0.70	0.62	0.03
Avail Cap(c_a), veh/h	1581	3159		1533	830		790	830	694	790	1663	1379
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.0	26.1	0.0	26.0	20.1	0.0	25.2	20.7	22.2	29.7	28.4	26.4
Incr Delay (d2), s/veh	3.4	1.1	0.0	0.9	1.1	0.0	2.4	0.2	0.5	1.9	3.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.3	0.0	4.2	3.7	0.0	5.5	2.0	3.2	2.0	2.4	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.5	27.2	0.0	26.9	21.2	0.0	27.6	20.9	22.7	31.6	32.2	26.5
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372	A		864	A		764			270	
Approach Delay, s/veh		28.2			25.0			24.6			31.8	
Approach LOS		C			C			C			C	

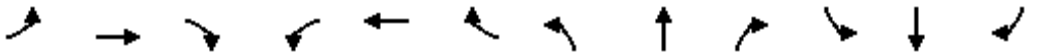
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	25.5	10.7	22.9	17.8	16.8	19.8	13.8
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.9	10.7	6.6	10.9	12.7	7.6	15.4	6.8
Green Ext Time (p_c), s	0.1	2.1	0.2	0.9	1.1	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	26.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	145	140	510	120	160	51	530	71	120	67	195	142
Future Volume (veh/h)	145	140	510	120	160	51	530	71	120	67	195	142
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	156	151	0	129	172	0	570	76	0	72	210	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	202	580		168	513		926	501		234	468	
Arrive On Green	0.11	0.16	0.00	0.09	0.14	0.00	0.27	0.27	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	156	151	0	129	172	0	570	76	0	72	210	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.7	2.1	0.0	3.9	2.4	0.0	8.0	1.7	0.0	2.0	3.0	0.0
Cycle Q Clear(g_c), s	4.7	2.1	0.0	3.9	2.4	0.0	8.0	1.7	0.0	2.0	3.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	202	580		168	513		926	501		234	468	
V/C Ratio(X)	0.77	0.26		0.77	0.34		0.62	0.15		0.31	0.45	
Avail Cap(c_a), veh/h	804	3206		804	3206		3118	1687		964	1924	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.9	20.3	0.0	24.5	21.3	0.0	17.8	15.5	0.0	21.8	22.2	0.0
Incr Delay (d2), s/veh	2.4	0.3	0.0	2.8	0.5	0.0	1.0	0.2	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	0.8	0.0	1.6	0.9	0.0	3.1	0.7	0.0	0.8	1.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.3	20.6	0.0	27.3	21.9	0.0	18.7	15.7	0.0	22.0	22.5	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		307	A		301	A		646	A		282	A
Approach Delay, s/veh		23.5			24.2			18.4			22.4	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.3	13.0		19.9	9.2	14.0		12.3				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.7	4.4		10.0	5.9	4.1		5.0				
Green Ext Time (p_c), s	0.2	1.6		4.5	0.1	1.4		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		21.3	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	20	100	882	20	140	745
Future Volume (veh/h)	20	100	882	20	140	745
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	21	0	928	0	147	784
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	36		1963		192	2724
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	21	0	928	0	147	784
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.4	0.0	3.8	3.1
Cycle Q Clear(g_c), s	0.5	0.0	7.4	0.0	3.8	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	36		1963		192	2724
V/C Ratio(X)	0.58		0.47		0.77	0.29
Avail Cap(c_a), veh/h	1253		3030		760	4546
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.8	0.0	6.4	0.0	20.4	1.6
Incr Delay (d2), s/veh	5.3	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.9	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.1	0.0	7.0	0.0	22.8	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	21	A	928	A		931
Approach Delay, s/veh	28.1		7.0			5.2
Approach LOS	C		A			A

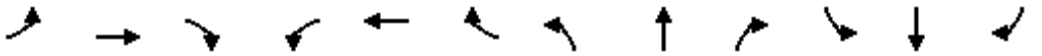
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	6.0	40.9	10.0	30.9
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	5.1	5.8	9.4
Green Ext Time (p_c), s	0.0	17.4	0.2	16.5

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	271	533	280	180	345	154	543	120	131	30
Future Volume (veh/h)	50	310	271	533	280	180	345	154	543	120	131	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	549	289	0	356	159	214	124	135	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	109	602		683	544		410	465	388	179	223	185
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.25	0.25	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	549	289	0	356	159	214	124	135	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	1.8	5.4	0.0	9.9	8.5	0.0	12.5	4.6	7.8	4.4	4.5	0.2
Cycle Q Clear(g_c), s	1.8	5.4	0.0	9.9	8.5	0.0	12.5	4.6	7.8	4.4	4.5	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	109	602		683	544		410	465	388	179	223	185
V/C Ratio(X)	0.48	0.53		0.80	0.53		0.87	0.34	0.55	0.69	0.61	0.03
Avail Cap(c_a), veh/h	1642	3282		1593	862		821	862	720	821	1727	1433
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.8	24.9	0.0	25.2	19.6	0.0	24.4	20.3	21.5	28.6	27.5	25.6
Incr Delay (d2), s/veh	3.2	1.0	0.0	0.9	1.2	0.0	2.3	0.2	0.5	1.8	3.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	2.2	0.0	3.8	3.5	0.0	5.1	1.9	2.8	1.9	2.2	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.0	26.0	0.0	26.0	20.8	0.0	26.6	20.5	22.0	30.4	31.2	25.7
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372	A		838	A		729			264	
Approach Delay, s/veh		27.0			24.2			23.9			30.7	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	24.4	10.5	21.7	16.9	16.5	19.0	13.2
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.8	10.5	6.4	9.8	11.9	7.4	14.5	6.5
Green Ext Time (p_c), s	0.1	2.2	0.2	0.9	1.0	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	25.4
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	162	140	510	120	160	57	530	75	120	76	202	172
Future Volume (veh/h)	162	140	510	120	160	57	530	75	120	76	202	172
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	174	151	0	129	172	0	570	81	0	82	217	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	223	610		168	501		920	498		237	473	
Arrive On Green	0.12	0.17	0.00	0.09	0.14	0.00	0.27	0.27	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	174	151	0	129	172	0	570	81	0	82	217	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	5.4	2.1	0.0	4.0	2.5	0.0	8.2	1.9	0.0	2.4	3.2	0.0
Cycle Q Clear(g_c), s	5.4	2.1	0.0	4.0	2.5	0.0	8.2	1.9	0.0	2.4	3.2	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	223	610		168	501		920	498		237	473	
V/C Ratio(X)	0.78	0.25		0.77	0.34		0.62	0.16		0.35	0.46	
Avail Cap(c_a), veh/h	784	3130		784	3130		3044	1647		941	1878	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.1	20.3	0.0	25.1	22.0	0.0	18.3	16.0	0.0	22.4	22.7	0.0
Incr Delay (d2), s/veh	2.3	0.3	0.0	2.8	0.6	0.0	1.0	0.2	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	0.8	0.0	1.7	1.0	0.0	3.2	0.8	0.0	1.0	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.4	20.6	0.0	27.9	22.6	0.0	19.3	16.2	0.0	22.7	23.0	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		325	A		301	A		651	A		299	A
Approach Delay, s/veh		23.7			24.9			18.9			22.9	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.1	13.0		20.1	9.4	14.7		12.6				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	7.4	4.5		10.2	6.0	4.1		5.2				
Green Ext Time (p_c), s	0.2	1.6		4.6	0.1	1.4		1.1				

Intersection Summary			
HCM 6th Ctrl Delay		21.8	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	20	100	911	21	140	762
Future Volume (veh/h)	20	100	911	21	140	762
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	21	0	959	0	147	802
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	36		1985		191	2739
Arrive On Green	0.02	0.00	0.56	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	21	0	959	0	147	802
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.6	0.0	7.8	0.0	3.8	3.2
Cycle Q Clear(g_c), s	0.6	0.0	7.8	0.0	3.8	3.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	36		1985		191	2739
V/C Ratio(X)	0.58		0.48		0.77	0.29
Avail Cap(c_a), veh/h	1229		2971		745	4456
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	23.2	0.0	6.4	0.0	20.8	1.6
Incr Delay (d2), s/veh	5.3	0.0	0.7	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	2.0	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.6	0.0	7.0	0.0	23.2	1.8
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	21	A	959	A		949
Approach Delay, s/veh	28.6		7.0			5.1
Approach LOS	C		A			A

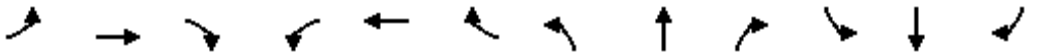
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	6.0	41.9	10.1	31.7
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.6	5.2	5.8	9.8
Green Ext Time (p_c), s	0.0	18.0	0.2	16.9

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	275	543	280	180	352	158	561	120	134	30
Future Volume (veh/h)	50	310	275	543	280	180	352	158	561	120	134	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	560	289	0	363	163	231	124	138	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	108	596		692	547		415	475	397	178	226	187
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.25	0.25	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	560	289	0	363	163	231	124	138	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	1.9	5.5	0.0	10.3	8.6	0.0	13.0	4.7	8.6	4.5	4.7	0.2
Cycle Q Clear(g_c), s	1.9	5.5	0.0	10.3	8.6	0.0	13.0	4.7	8.6	4.5	4.7	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	108	596		692	547		415	475	397	178	226	187
V/C Ratio(X)	0.48	0.54		0.81	0.53		0.87	0.34	0.58	0.70	0.61	0.03
Avail Cap(c_a), veh/h	1609	3214		1560	844		804	844	706	804	1692	1403
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.5	25.5	0.0	25.6	19.9	0.0	24.8	20.5	21.9	29.2	28.0	26.0
Incr Delay (d2), s/veh	3.3	1.1	0.0	0.9	1.1	0.0	2.3	0.2	0.5	1.8	3.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.3	0.0	4.0	3.6	0.0	5.4	1.9	3.1	2.0	2.3	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.8	26.6	0.0	26.5	21.1	0.0	27.1	20.7	22.5	31.0	31.8	26.1
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372	A		849	A		757			267	
Approach Delay, s/veh		27.6			24.6			24.3			31.3	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	24.9	10.6	22.4	17.3	16.6	19.5	13.5
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.9	10.6	6.5	10.6	12.3	7.5	15.0	6.7
Green Ext Time (p_c), s	0.1	2.1	0.2	0.9	1.0	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	25.8
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	140	510	120	160	51	530	70	120	60	190	122
Future Volume (veh/h)	143	140	510	120	160	51	530	70	120	60	190	122
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	154	151	0	129	172	0	570	75	0	65	204	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	199	578		168	516		928	502		231	460	
Arrive On Green	0.11	0.16	0.00	0.09	0.15	0.00	0.27	0.27	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	154	151	0	129	172	0	570	75	0	65	204	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	4.6	2.0	0.0	3.9	2.4	0.0	8.0	1.7	0.0	1.8	2.9	0.0
Cycle Q Clear(g_c), s	4.6	2.0	0.0	3.9	2.4	0.0	8.0	1.7	0.0	1.8	2.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	199	578		168	516		928	502		231	460	
V/C Ratio(X)	0.77	0.26		0.77	0.33		0.61	0.15		0.28	0.44	
Avail Cap(c_a), veh/h	808	3225		808	3225		3136	1698		970	1935	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.8	20.2	0.0	24.4	21.2	0.0	17.7	15.4	0.0	21.7	22.1	0.0
Incr Delay (d2), s/veh	2.4	0.3	0.0	2.8	0.5	0.0	0.9	0.2	0.0	0.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	0.8	0.0	1.6	0.9	0.0	3.0	0.7	0.0	0.7	1.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.2	20.5	0.0	27.1	21.7	0.0	18.6	15.5	0.0	21.9	22.4	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		305	A		301	A		645	A		269	A
Approach Delay, s/veh		23.4			24.0			18.2			22.3	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.2	13.0		19.8	9.2	14.0		12.1				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	6.6	4.4		10.0	5.9	4.0		4.9				
Green Ext Time (p_c), s	0.2	1.6		4.5	0.1	1.4		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		21.1	
HCM 6th LOS		C	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	20	100	862	20	140	743
Future Volume (veh/h)	20	100	862	20	140	743
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	21	0	907	0	147	782
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	36		1946		192	2713
Arrive On Green	0.02	0.00	0.55	0.00	0.11	0.76
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	21	0	907	0	147	782
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.5	0.0	7.2	0.0	3.7	3.1
Cycle Q Clear(g_c), s	0.5	0.0	7.2	0.0	3.7	3.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	36		1946		192	2713
V/C Ratio(X)	0.58		0.47		0.77	0.29
Avail Cap(c_a), veh/h	1271		3073		770	4609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	22.5	0.0	6.4	0.0	20.1	1.7
Incr Delay (d2), s/veh	5.3	0.0	0.6	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.8	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.7	0.0	7.0	0.0	22.5	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	21	A	907	A		929
Approach Delay, s/veh	27.7		7.0			5.1
Approach LOS	C		A			A

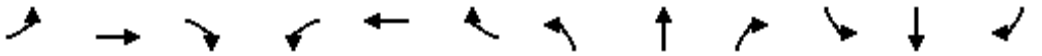
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	5.9	40.3	10.0	30.3
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.5	5.1	5.7	9.2
Green Ext Time (p_c), s	0.0	17.4	0.2	16.2

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	271	532	280	180	340	150	532	120	130	30
Future Volume (veh/h)	50	310	271	532	280	180	340	150	532	120	130	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	548	289	0	351	155	202	124	134	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	109	604		683	544		405	458	383	179	222	184
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.24	0.24	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1563
Grp Volume(v), veh/h	52	320	0	548	289	0	351	155	202	124	134	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1563
Q Serve(g_s), s	1.8	5.3	0.0	9.8	8.4	0.0	12.2	4.4	7.2	4.3	4.4	0.2
Cycle Q Clear(g_c), s	1.8	5.3	0.0	9.8	8.4	0.0	12.2	4.4	7.2	4.3	4.4	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	109	604		683	544		405	458	383	179	222	184
V/C Ratio(X)	0.48	0.53		0.80	0.53		0.87	0.34	0.53	0.69	0.60	0.03
Avail Cap(c_a), veh/h	1656	3309		1606	869		828	869	726	828	1742	1444
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.5	24.7	0.0	24.9	19.4	0.0	24.2	20.3	21.4	28.3	27.3	25.4
Incr Delay (d2), s/veh	3.2	1.0	0.0	0.8	1.1	0.0	2.2	0.2	0.4	1.8	3.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	2.2	0.0	3.8	3.5	0.0	5.0	1.8	2.6	1.9	2.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.7	25.7	0.0	25.8	20.6	0.0	26.5	20.5	21.8	30.1	31.0	25.5
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372	A		837	A		708			263	
Approach Delay, s/veh		26.7			24.0			23.8			30.5	
Approach LOS		C			C			C			C	

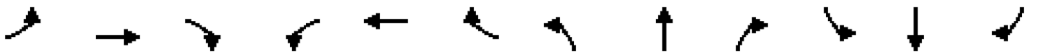
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	24.3	10.5	21.3	16.8	16.5	18.7	13.1
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.8	10.4	6.3	9.2	11.8	7.3	14.2	6.4
Green Ext Time (p_c), s	0.1	2.2	0.2	0.8	1.0	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	25.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	238	140	510	120	160	80	530	93	120	84	208	195
Future Volume (veh/h)	238	140	510	120	160	80	530	93	120	84	208	195
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	256	151	0	129	172	0	570	100	0	90	224	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	309	742		167	458		900	487		234	466	
Arrive On Green	0.17	0.21	0.00	0.09	0.13	0.00	0.26	0.26	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	256	151	0	129	172	0	570	100	0	90	224	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	8.6	2.2	0.0	4.4	2.8	0.0	9.1	2.6	0.0	2.9	3.6	0.0
Cycle Q Clear(g_c), s	8.6	2.2	0.0	4.4	2.8	0.0	9.1	2.6	0.0	2.9	3.6	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	309	742		167	458		900	487		234	466	
V/C Ratio(X)	0.83	0.20		0.77	0.38		0.63	0.21		0.39	0.48	
Avail Cap(c_a), veh/h	717	2862		717	2862		2783	1506		861	1717	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.8	20.3	0.0	27.5	24.8	0.0	20.3	17.9	0.0	24.7	25.0	0.0
Incr Delay (d2), s/veh	2.2	0.2	0.0	2.8	0.7	0.0	1.1	0.3	0.0	0.4	0.3	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.9	0.0	1.9	1.1	0.0	3.6	1.1	0.0	1.2	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	26.9	20.5	0.0	30.3	25.5	0.0	21.4	18.2	0.0	25.1	25.3	0.0
LnGrp LOS	C	C		C	C		C	B		C	C	
Approach Vol, veh/h		407			301			670			314	
Approach Delay, s/veh		24.5			27.6			20.9			25.2	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	14.8	13.0		21.2	9.8	18.0		13.1				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	10.6	4.8		11.1	6.4	4.2		5.6				
Green Ext Time (p_c), s	0.3	1.6		4.8	0.1	1.4		1.1				

Intersection Summary												
HCM 6th Ctrl Delay, s/veh			23.8									
HCM 6th LOS			C									

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	22	100	934	21	140	836
Future Volume (veh/h)	22	100	934	21	140	836
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	23	0	983	0	147	880
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	39		1999		191	2746
Arrive On Green	0.02	0.00	0.56	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	23	0	983	0	147	880
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.6	0.0	8.1	0.0	3.9	3.6
Cycle Q Clear(g_c), s	0.6	0.0	8.1	0.0	3.9	3.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	39		1999		191	2746
V/C Ratio(X)	0.59		0.49		0.77	0.32
Avail Cap(c_a), veh/h	1208		2920		732	4380
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	23.6	0.0	6.4	0.0	21.1	1.7
Incr Delay (d2), s/veh	5.1	0.0	0.7	0.0	2.4	0.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	2.1	0.0	1.6	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	28.7	0.0	7.1	0.0	23.6	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	23		983			1027
Approach Delay, s/veh	28.7		7.1			5.0
Approach LOS	C		A			A

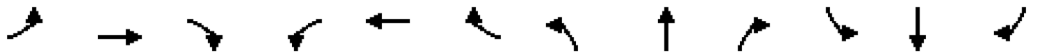
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	6.1	42.6	10.2	32.4
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.6	5.6	5.9	10.1
Green Ext Time (p_c), s	0.0	20.4	0.1	17.2

Intersection Summary	
HCM 6th Ctrl Delay, s/veh	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	293	588	280	180	358	162	574	120	145	30
Future Volume (veh/h)	50	310	293	588	280	180	358	162	574	120	145	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	606	289	0	369	167	245	124	149	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	105	582		732	566		419	494	412	175	238	197
Arrive On Green	0.06	0.16	0.00	0.21	0.30	0.00	0.23	0.26	0.26	0.10	0.13	0.13
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	606	289	0	369	167	245	124	149	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	2.0	5.8	0.0	11.8	9.0	0.0	14.1	5.1	9.6	4.7	5.3	0.2
Cycle Q Clear(g_c), s	2.0	5.8	0.0	11.8	9.0	0.0	14.1	5.1	9.6	4.7	5.3	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	105	582		732	566		419	494	412	175	238	197
V/C Ratio(X)	0.50	0.55		0.83	0.51		0.88	0.34	0.59	0.71	0.63	0.03
Avail Cap(c_a), veh/h	1520	3038		1475	798		760	798	667	760	1599	1327
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.4	27.3	0.0	26.8	20.5	0.0	26.2	21.2	22.9	31.0	29.4	27.1
Incr Delay (d2), s/veh	3.6	1.2	0.0	0.9	1.0	0.0	2.5	0.1	0.5	2.0	3.8	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.4	0.0	4.7	3.8	0.0	5.9	2.1	3.5	2.1	2.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	36.0	28.4	0.0	27.7	21.5	0.0	28.7	21.3	23.4	33.0	33.2	27.2
LnGrp LOS	D	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372			895			781			278	
Approach Delay, s/veh		29.5			25.7			25.4			33.0	
Approach LOS		C			C			C			C	

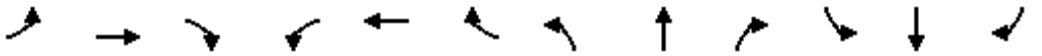
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.1	26.8	10.9	24.1	18.9	17.0	20.5	14.4
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	4.0	11.0	6.7	11.6	13.8	7.8	16.1	7.3
Green Ext Time (p_c), s	0.1	2.1	0.2	0.9	1.1	3.2	0.5	1.4

Intersection Summary	
HCM 6th Ctrl Delay, s/veh	27.1
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	181	140	510	120	160	63	530	80	120	73	200	161
Future Volume (veh/h)	181	140	510	120	160	63	530	80	120	73	200	161
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	195	151	0	129	172	0	570	86	0	78	215	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	246	646		168	490		916	496		234	466	
Arrive On Green	0.14	0.18	0.00	0.09	0.14	0.00	0.26	0.26	0.00	0.13	0.13	0.00
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1585	1781	3554	1585
Grp Volume(v), veh/h	195	151	0	129	172	0	570	86	0	78	215	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1585	1781	1777	1585
Q Serve(g_s), s	6.1	2.1	0.0	4.1	2.5	0.0	8.4	2.1	0.0	2.3	3.2	0.0
Cycle Q Clear(g_c), s	6.1	2.1	0.0	4.1	2.5	0.0	8.4	2.1	0.0	2.3	3.2	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	246	646		168	490		916	496		234	466	
V/C Ratio(X)	0.79	0.23		0.77	0.35		0.62	0.17		0.33	0.46	
Avail Cap(c_a), veh/h	768	3064		768	3064		2980	1613		922	1838	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.2	20.3	0.0	25.6	22.6	0.0	18.8	16.4	0.0	22.9	23.3	0.0
Incr Delay (d2), s/veh	2.2	0.3	0.0	2.8	0.6	0.0	1.0	0.2	0.0	0.3	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	0.8	0.0	1.7	1.0	0.0	3.3	0.9	0.0	0.9	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.4	20.5	0.0	28.4	23.3	0.0	19.8	16.7	0.0	23.2	23.6	0.0
LnGrp LOS	C	C		C	C		B	B		C	C	
Approach Vol, veh/h		346	A		301	A		656	A		293	A
Approach Delay, s/veh		23.8			25.5			19.3			23.5	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	12.0	13.0		20.4	9.5	15.5		12.6				
Change Period (Y+Rc), s	4.0	5.0		5.0	4.0	5.0		5.0				
Max Green Setting (Gmax), s	25.0	50.0		50.0	25.0	50.0		30.0				
Max Q Clear Time (g_c+I1), s	8.1	4.5		10.4	6.1	4.1		5.2				
Green Ext Time (p_c), s	0.2	1.6		4.6	0.1	1.4		1.0				

Intersection Summary		
HCM 6th Ctrl Delay		22.2
HCM 6th LOS		C

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	21	100	900	21	140	780
Future Volume (veh/h)	21	100	900	21	140	780
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	22	0	947	0	147	821
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	38		1975		191	2731
Arrive On Green	0.02	0.00	0.56	0.00	0.11	0.77
Sat Flow, veh/h	1781	1585	3647	1585	1781	3647
Grp Volume(v), veh/h	22	0	947	0	147	821
Grp Sat Flow(s),veh/h/ln	1781	1585	1777	1585	1781	1777
Q Serve(g_s), s	0.6	0.0	7.7	0.0	3.8	3.3
Cycle Q Clear(g_c), s	0.6	0.0	7.7	0.0	3.8	3.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	38		1975		191	2731
V/C Ratio(X)	0.58		0.48		0.77	0.30
Avail Cap(c_a), veh/h	1236		2990		749	4485
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	23.1	0.0	6.4	0.0	20.6	1.7
Incr Delay (d2), s/veh	5.2	0.0	0.7	0.0	2.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	2.0	0.0	1.5	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	28.2	0.0	7.1	0.0	23.1	1.9
LnGrp LOS	C		A		C	A
Approach Vol, veh/h	22	A	947	A		968
Approach Delay, s/veh	28.2		7.1			5.1
Approach LOS	C		A			A

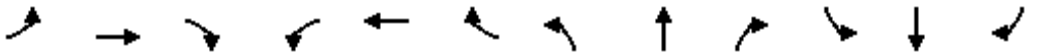
Timer - Assigned Phs	2	4	7	8
Phs Duration (G+Y+Rc), s	6.0	41.5	10.1	31.4
Change Period (Y+Rc), s	5.0	5.0	5.0	* 5
Max Green Setting (Gmax), s	33.0	60.0	20.0	* 40
Max Q Clear Time (g_c+I1), s	2.6	5.3	5.8	9.7
Green Ext Time (p_c), s	0.0	18.6	0.2	16.8

Intersection Summary	
HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	310	280	554	280	180	350	156	554	120	136	30
Future Volume (veh/h)	50	310	280	554	280	180	350	156	554	120	136	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, 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
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h	52	320	0	571	289	0	361	161	224	124	140	5
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	1	1	1	1	1	1	1	1
Cap, veh/h	107	594		702	552		413	476	397	177	228	189
Arrive On Green	0.06	0.17	0.00	0.20	0.29	0.00	0.23	0.25	0.25	0.10	0.12	0.12
Sat Flow, veh/h	1795	3582	1598	3483	1885	1598	1795	1885	1575	1795	1885	1564
Grp Volume(v), veh/h	52	320	0	571	289	0	361	161	224	124	140	5
Grp Sat Flow(s),veh/h/ln	1795	1791	1598	1742	1885	1598	1795	1885	1575	1795	1885	1564
Q Serve(g_s), s	1.9	5.5	0.0	10.6	8.6	0.0	13.1	4.7	8.4	4.5	4.8	0.2
Cycle Q Clear(g_c), s	1.9	5.5	0.0	10.6	8.6	0.0	13.1	4.7	8.4	4.5	4.8	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	107	594		702	552		413	476	397	177	228	189
V/C Ratio(X)	0.49	0.54		0.81	0.52		0.87	0.34	0.56	0.70	0.61	0.03
Avail Cap(c_a), veh/h	1596	3189		1548	838		798	838	700	798	1678	1392
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.7	25.8	0.0	25.7	19.9	0.0	25.0	20.6	22.0	29.4	28.2	26.2
Incr Delay (d2), s/veh	3.4	1.1	0.0	0.9	1.1	0.0	2.3	0.2	0.5	1.9	3.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.3	0.0	4.1	3.6	0.0	5.4	1.9	3.0	2.0	2.3	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.1	26.9	0.0	26.6	21.0	0.0	27.4	20.8	22.5	31.3	31.9	26.2
LnGrp LOS	C	C		C	C		C	C	C	C	C	C
Approach Vol, veh/h		372	A		860	A		746			269	
Approach Delay, s/veh		27.9			24.7			24.5			31.5	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	25.3	10.7	22.5	17.6	16.7	19.5	13.7
Change Period (Y+Rc), s	5.0	5.5	4.0	* 5.5	4.0	5.5	4.0	5.5
Max Green Setting (Gmax), s	60.0	30.0	30.0	* 30	30.0	60.1	30.0	60.1
Max Q Clear Time (g_c+I1), s	3.9	10.6	6.5	10.4	12.6	7.5	15.1	6.8
Green Ext Time (p_c), s	0.1	2.1	0.2	0.9	1.0	3.2	0.5	1.3

Intersection Summary	
HCM 6th Ctrl Delay	26.0
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

Appendix E Tribal Correspondence

Appendix

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NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

July 29, 2024

Alen Estrada-Rodas
PlaceWorks

Via Email to: jgonzalez@walnut-creek.org

Re: 1200 Rossmoor Parkway General Plan Amendment and Rezone Project, Contra Costa County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Wilton Rancheria on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

From: Amah Mutsun <amahmutsuntribal@gmail.com>
Sent: Friday, August 9, 2024 10:56 AM
To: Jessica Gonzalez <jgonzalez@walnut-creek.org>
Subject: Re: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

Hello Jessica,

Please see the attached documents with our recommendations. If you have any questions, please give us a call at 650-851-7489 or email us at amtbinc21@gmail.com.

Thank you,

Lorelei Alli

AMTB Inc.

On Thu, Aug 8, 2024 at 4:37 PM Jessica Gonzalez <jgonzalez@walnut-creek.org> wrote:

> Dear Irene Zwierlein,
>
> The attached letter is formal notification of the City of Walnut Creek's proposal for the General Plan Amendment and Rezoning Project at 1200 Rossmoor Parkway (proposed project) in the City of Walnut Creek, Contra Costa County, CA which is subject to compliance with the California Environmental Quality Act (CEQA). The City of Walnut Creek is the

lead CEQA agency responsible for consulting with California Native American Tribes pursuant to Public Resources Code Section 21080.3.1 and 21080.3.2 (Assembly Bill 52) and Government Code Section 65351 (Senate Bill 18).

Accordingly, the letter provides a brief description of the proposed project, its location, research status, and lead agency contact information. Please note that pursuant to SB 18, a request for consultation must be received in writing within 90 days, on or before November 6, 2024, and shall provide the name of the tribe's designated lead contact person.

Thank you,

Jessica

Jessica Gonzalez
Associate Planner
Community Development Department
1666 N. Main Street, Walnut Creek, CA 94596

(925) 943-5899 x2647

www.walnut-creek.org

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The Amah Mutsun Tribal Band of San Juan Bautista
&
A.M.T.B. Inc.

Letter of Response

To whom it may concern:

It is our pride and privilege to be of service for any Native American Cultural Resource Monitoring, Consulting and/ or Sensitivity Training you may need or require. We take our Heritage and History seriously and are diligent about preserving as much of it as we can. Construction is a constant in the Bay Area and with that new discoveries are bound to happen. If you choose our services, we will gladly guide all personnel through proper procedures to safely protect and preserve: Culture, Heritage, and History.

It is highly recommended, if not previously done, to search through Sacred Lands Files (SLF) and California Historical Resource Information Systems (CHRIS) as well as reaching out to the Native American Heritage Commission (NAHC) In order to determine whether you are working in a Cultural and/ or Historic sensitivity.

If you have received any positive cultural or historic sensitivity within 1 mile of the project area here are A.M.T.B Inc's and Amah Mutsun Tribal Band of San Juan Bautista's recommendations:

- All Crews, Individuals and Personnel who will be moving any earth be Cultural Sensitivity Trained.
- A Qualified California Trained Archaeological Monitor is present during any earth movement.
- A Qualified Native American Monitor is present during any earth movement.

If further Consultation, Monitoring or Sensitivity Training is needed please feel free to contact A.M.T.B. Inc. or Myself Directly. A.M.T.B. Inc. 650 851 7747

Irenne Zwierlein

Irenne Zwierlein

3030 Soda Bay Road, Lakeport
CA 95453
amtbinc21@gmail.com
(650)851-7447

Amah Mutsun Tribal Band of San Juan Bautista
&
AMTB Inc.

3030 Soda Bay Road Lakeport, CA 95453

Our rates for 2024 are

$275.00 per hour.

4 hours minimum

Cancellations not 48 hours (about 2 days) prior will be charged as a 4-hour minimum. There is a round trip mileage charge if canceled after they have traveled to site.

Anything over 8 hours a day is charged as time and a half.

Weekends are charged at time and a half.

Holidays are charged at double the time.

For fiscal year (FY) 2024, standard per diem rate of $412. ($333. lodging, $79 M&IE).

M&IE Breakdown FY 2023

M&IE Total[1]	Continental Breakfast/ Breakfast[2]	Lunch[2]	Dinner[2]	Incidental Expenses	First & Last Day of Travel[3]
$79.00	$18.00	$20.00	$36.00	$5.00	$59.25

Beginning 2024, the standard mileage rates for the use of a car round trip (also vans, pickups or panel trucks) will be: $.67 cents per mile driven for business use or what the current federal standard is at the time.

Our Payment terms are 5 days from date on invoice.

Our Monitors are Members of the Amah Mutsun Tribal Band of Mission San Juan Bautista.

If you have any questions, please feel free to contact the A.M.T.B. Inc. at the below contact information.

Sincerely,

Irenne Zwierlein

Irenne Zwierlein

3030 Soda Bay Rd, Lakeport
CA 95453
amtbinc21@gmail.com
(650)851-7747

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 11/29/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Allied Brokers 591 Lytton Avenue Palo Alto CA 94301	PHONE (A/C, No, Ext): (650) 328-1000	FAX (A/C, No): (650) 324-1142
	E-MAIL ADDRESS: BusinessVIP@alliedbrokers.com	

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	Scottsdale Insurance Company	41297
INSURER B :	United States Liability Insurance Company	25895
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

INSURED
Amah Mutsun Tribal Band Consulting & Monitoring, LLC
330 Soda Bay Rd
Lakeport CA 95453

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:			CPS7829150	07/09/2023	07/09/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 1,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	☐ UMBRELLA LIAB ☐ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						☐ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $
B	Professional Liability			SP1573468C	06/21/2023	06/21/2024	Each Claim Aggregate	$1,000,000 $1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Proof of Coverage

CERTIFICATE HOLDER

FOR YOUR INFORMATION

CANCELLATION

SHOULD ANY OF THE ABOVE-DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mimi Watson

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From: Lisjan Nation <cvltribe@gmail.com>
Sent: Thursday, August 8, 2024 5:19 PM
To: Jessica Gonzalez <jgonzalez@walnut-creek.org>
Subject: Re: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

Jessica,

Thank you for reaching out to the Confederated Villages of Lisjan Nation about the proposed project. As long as the plan remains that no new ground disturbance will occur, the Tribe has no further information to supply about the proposed site for this plan. If any new ground disturbance is proposed, the Tribe would like to continue consultation due to the proximity of this project to Tribal resources.

As always, we encourage developers in our traditional territories to remain cognizant of the fact that our tribal people lived all over the Bay Area, and because of colonization and genocidal practices that reached into the late 19th century and early 20th century, it is not always possible to know for certain if you may find cultural resources or burials at sites where you anticipate ground disturbance.

'Uni (Respectfully),

Lucy Gill, Cultural Resource Manager II
Confederated Villages of Lisjan Nation

On Thu, Aug 8, 2024 at 4:51 PM Jessica Gonzalez <jgonzalez@walnut-creek.org> wrote:

Dear Cheyenne Gould,

The attached letter is formal notification of the City of Walnut Creek's proposal for the General Plan Amendment and Rezoning Project at 1200 Rossmoor Parkway (proposed project) in the City of Walnut Creek, Contra Costa County, CA which is subject to compliance with the California Environmental Quality Act (CEQA). The City of Walnut Creek is the lead CEQA agency responsible for consulting with California Native American Tribes pursuant to Public Resources Code Section 21080.3.1 and 21080.3.2 (Assembly Bill 52) and Government Code Section 65351 (Senate Bill 18).

Accordingly, the letter provides a brief description of the proposed project, its location, research status, and lead agency contact information. Please note that pursuant to SB 18, a request for consultation must be received in writing within 90 days, on or before November 6, 2024, and shall provide the name of the tribe's designated lead contact person.

Thank you,

Jessica

Jessica Gonzalez
Associate Planner
Community Development Department
1666 N. Main Street, Walnut Creek, CA 94596

(925) 943-5899 x2647

www.walnut-creek.org

From: Jessica Gonzalez
Sent: Thursday, August 8, 2024 6:28 PM
To: cfranklin@wiltonrancheria-nsn.gov; scypret@wiltonrancheria-nsn.gov; lhines@wiltonrancheria-nsn.gov
Subject: FW: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

Hello,

I am forwarding the attached email in response to Dahlton's automatic response email direction.

Thank you,

Associate Planner
Community Development Department
1666 N. Main Street, Walnut Creek, CA 94596
(925) 943-5899 x2647
www.walnut-creek.org

From: Dahlton Brown <dbrown@wiltonrancheria-nsn.gov>
Sent: Thursday, August 8, 2024 5:58 PM
To: Jessica Gonzalez <jgonzalez@walnut-creek.org>
Subject: Automatic reply: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – Parkway General Plan Amendment and Rezone Project

Hello,

Thank you for your email. Effective 4/5/24, I will no longer be serving as the Chief Administrative Officer of Wilton Rancheria. It has been an honor to hold this position, and thank you for being a part of my journey. Please contact the following Wilton Rancheria Officials with your inquiries:

Chief Operating Officer, Chris Franklin- cfranklin@wiltonrancheria-nsn.gov
Chief of Staff, Samantha Cypret- scypret@wiltonrancheria-nsn.gov
Chief Financial Officer, Lorenzo Hines- lhines@wiltonrancheria-nsn.gov

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From: Jessica Gonzalez
Sent: Thursday, August 8, 2024 6:09 PM
To: Herbert Griffin <hgriffin@wiltonrancheria-nsn.gov>
Cc: shutchason@wiltonrancheria-nsn.gov
Subject: FW: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

Hello,

I am forwarding the attached email in Steven's absence per the automatic response email direction.

Thank you,

Associate Planner
Community Development Department
1666 N. Main Street, Walnut Creek, CA 94596
(925) 943-5899 x2647
www.walnut-creek.org

From: Steven Hutchason <shutchason@wiltonrancheria-nsn.gov>
Sent: Thursday, August 8, 2024 5:55 PM
To: Jessica Gonzalez <jgonzalez@walnut-creek.org>
Subject: Automatic reply: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – Parkway General Plan Amendment and Rezone Project

Thank you for your email!

I am currently out on extended leave.

If you need immediate assistance please contact, Executive Director of Cultural Preservation Lou Griffin at hgriffin@wiltonrancheria-nsn.gov.

Cordially,

Steven Hutchason
THPO
Wilton Rancheria

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From: Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@walnut-creek.org>
Sent: Friday, August 9, 2024 5:08 PM
To: Jessica Gonzalez
Subject: Undeliverable: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

Delivery has failed to these recipients or groups:

historian@guidiville.net (historian@guidiville.net)
Your message couldn't be delivered. Despite repeated attempts to contact the recipient's email system it didn't respond.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their email system isn't accepting connection requests from your email system. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article: https://go.microsoft.com/fwlink/?LinkId=389361.

Diagnostic information for administrators:

Generating server: SA1PR09MB11515.namprd09.prod.outlook.com
Total retry attempts: 4

historian@guidiville.net
Remote server returned '550 5.4.300 Message expired -> 422 4.2.2 Quota exceeded for historian@guidiville.net, please try again later [orthrus:QUOTA]'

Original message headers:

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Received: from SA1PR09MB10938.namprd09.prod.outlook.com (2603:10b6:806:36a::7)
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From: Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@walnut-creek.org>
Sent: Thursday, August 8, 2024 5:51 PM
To: Jessica Gonzalez
Subject: Undeliverable: Native American Consultation (AB 52 and SB 18) for the City of Walnut Creek – 1200 Rossmoor Parkway General Plan Amendment and Rezone Project

mx.google.com rejected your message to the following email addresses:

vincent.d.medina@gmail.com (vincent.d.medina@gmail.com)
The recipient's mailbox is full and can't accept messages now. Please try resending your message later, or contact the recipient directly.

mx.google.com gave this error:
The recipient's inbox is out of storage space and inactive. Please direct the recipient to https://support.google.com/mail/?p=OverQuotaPerm d2e1a72fcca58-710cb256626si2351864b3a.131 - gsmtp

Diagnostic information for administrators:

Generating server: BY5PR09MB5059.namprd09.prod.outlook.com

vincent.d.medina@gmail.com
mx.google.com
Remote server returned '552-5.2.2 The recipient's inbox is out of storage space and inactive. Please 552-5.2.2 direct the recipient to 552 5.2.2 https://support.google.com/mail/?p=OverQuotaPerm d2e1a72fcca58-710cb256626si2351864b3a.131 - gsmtp'

Original message headers:


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ARC-Seal: i=1; a=rsa-sha256; s=arcselector10001; d=microsoft.com; cv=none;

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4zE2KGXhmLIv/L8LkvIjHa6llzPrXD7U9A5AL1CLY5updp7BT0Imx7wF/DMgcUmv0D8YxjEb5nafg==
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