

APPENDICES

DRAFT

**Subsequent Initial Study
and Mitigated Negative
Declaration
for the
Pleasant Grove Boulevard
Widening Project**

Lead Agency:



**City of Roseville
311 Vernon Street
Roseville, California 95678**

November 2022



ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

LIST OF APPENDICES

- Appendix A: Arborist Report, Pleasant Grove Boulevard Widening Project, Roseville, CA
- Appendix B: Air Quality
- B-1: Air Quality and Greenhouse Gas Emissions Assessment for the Pleasant Grove Boulevard Widening Project
 - B-2: Air Quality Construction Emissions Model Outputs
 - B-3: Greenhouse Gas Construction Emissions Model Outputs
- Appendix C: Biological Resources Assessment for the Pleasant Grove Boulevard Widening Project
- Appendix D: Cultural Resources Inventory Report for the City of Roseville Pleasant Grove Boulevard Widening Project
- Appendix E: Paleontological Assessment Memorandum for the City of Roseville Pleasant Grove Boulevard Project, Placer County, California
- Appendix F: Phase I Environmental Site Assessment, Pleasant Grove Boulevard Widening Project, 7465 Foothills Boulevard
- Appendix G: Noise
- G-1: Noise Impact Assessment for the Pleasant Grove Boulevard Widening Project
 - G-2: Traffic Noise Model Output
 - G-3: Construction Noise Model Output
- Appendix H: Pleasant Grove Widening Project Traffic Study

APPENDIX A

Arborist Report, Pleasant Grove Boulevard Widening Project,
Roseville, CA
(Callander Associates Landscape Architecture, Inc.
September 16, 2022.)



ARBORIST'S REPORT

PLEASANT GROVE BOULEVARD WIDENING PROJECT

ROSEVILLE, CA

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Table of Contents

1.0 INTRODUCTION	1
2.0 TREE SUMMARY AND MITIGATION	1
3.0 TREE SCORING CRITERIA	3
4.0 DISCUSSION AND RECOMMENDATIONS	4
5.0 DESIGN AND PROTECTION CONSIDERATIONS	6
6.0 ASSUMPTIONS, LIMITATIONS AND DISCLAIMER	9

Appendices

- APPENDIX A Tree Inventory Spreadsheet
- APPENDIX B Tree Disposition Map

1.0 INTRODUCTION

Callander Associates has been retained to conduct a tree survey and prepare an arborist report for the Pleasant Grove Boulevard Widening project, located in Roseville, California. The proposed project includes the addition of a lane in the East and West bound directions approximately 1.5 miles from Woodcreek Oaks Boulevard to just east of Foothills Boulevard. The proposed project would shrink or narrow most of the existing medians from 18' wide to 12' wide which could substantially impact the structural integrity and health of the trees located within the medians.

The purpose of this report is to provide an inventory and identify trees within the project limits, provide recommendations for removal of trees, identify mitigation measures for trees proposed to be removed, and provide guidelines to minimize the impacts to trees to be retained, in accordance with the City's Tree Preservation Ordinance. Specific tasks performed were as follows:

- Visited site on March 16 and April 7, 2022.
- Identified and noted tree locations on the *Tree Disposition Map*.
- Determined each tree trunk diameter at approximately 54 inches above grade (Diameter at Breast Height or DBH) per the City of Roseville's guidelines.
- Identified trees recommended for removal due to health conditions or potential hazards.
- Assessed each tree's health and structural integrity (scale of 0 to 5).
- Prepared a written report that presents general observations and provides design recommendations to help avoid or mitigate construction period impacts to trees that will be retained.

2.0 TREE SUMMARY AND MITIGATION

A Level 2 – Basic Visual Assessment was performed in accordance with the International Society of Arboriculture's best management practices unless otherwise noted in the report. This assessment level is limited to the observation of conditions and defects, which are readily visible from the ground. Specific Information regarding each tree is presented within the ***Tree Inventory Spreadsheet*** in Appendix A.

The locations of the trees shown on the ***Tree Disposition Map*** in Appendix B were preliminarily established via aerial imagery and confirmed in the field.

At the time of field identification and inventory efforts specific data was gathered for each tree including the tree's species, diameter measured at breast height ("DBH") and dripline radius ("DLR"). Utilizing this data the tree's overall structural condition and vigor were separately assessed ranging from "excellent" to "dead" based upon the observed characteristics noted within the tree and the Arborist's best professional judgment. Ratings are subjective and are dependent upon both the structure and vigor of the tree. The vigor rating considers factors such as the size, color and density of the foliage; the amount of deadwood within the canopy; bud viability; evidence of wound closure; and the presence or evidence of stress, disease, nutrient deficiency and insect infestation. Finally, notable characteristics were documented and recommendations on a tree-by-tree basis were made

which logically followed the observed characteristics noted within the trees at the time of the field inventory effort. The recommendations are based on the opinion that the tree may or may not survive during the construction activities and beyond post-construction.

A total of **64** trees were inventoried and evaluated for structural integrity, health or risk concerns and approximate locations for the trees. A total of **46** trees are protected trees as defined by the City of Roseville Municipal Code, Title 19, Article IV, Chapter 19.66 Tree Preservation. The City of Roseville defines a "Protected Tree" as any native oak tree equal to or greater than 6 inches diameter at breast height (DBH) measured as a total of a single trunk or multiple trunks. The purpose of this field reconnaissance effort was to identify, inventory, and comment upon the current structure and vigor of the "protected trees" located within and/or overhanging the project site. A total of **45** trees are recommended for removal due to the proposed improvements, **37** of which are protected trees for a total DBH removed at **446"**.

Mitigation measures for the removed trees would be required to conform to the **City of Roseville's Ordinance 19.66.070 "Oak Tree Planting and Replacement Program"**. Trees must be replaced at ratio of one inch Diameter at Breast Height (DBH) of tree replaced for each one inch DBH of tree removed (1:1 ratio). This may be achieved with on-site or off-site replacement, or payment of in-lieu fees. The replacement trees shall have a combined diameter equivalent not less than the total diameter of the tree(s) removed. A minimum of 50 percent of the replacement requirement shall be met by native oaks. Up to 50 percent may be met by non-native species. The Approving Authority may approve a replacement program using one of the following four methods or any combination of the four methods. The preferred alternative is on-site replacement.

A. Replacement Trees. Replacement trees may be planted on-site or in other areas where maintenance and irrigation are provided to ensure survival of the trees.

B. Revegetation Requirements. The Approving Authority may, instead of requiring replacement trees, require implementation of a revegetation plan. The developer shall enter into a written agreement with the City obligating the developer to comply with the requirements of the revegetation plan. A performance security or bond for 150 percent of the cost of the revegetation plan shall be required to insure that the agreement is fulfilled. The Approving Authority shall approve the proposed plan. The revegetation program shall propagate native oak trees from seed using currently accepted methods. A revegetation program shall identify the seed source of the trees to be propagated, the location of the plots, the methods to be used to ensure success of the revegetation program, an annual reporting requirement, and the criteria to be used to measure the success of the plan. A revegetation program shall not be considered complete until the trees to be propagated have reached one-half inch in diameter or the revegetation plan demonstrates the need for alternative success criteria and achieves mitigation on an inch for inch basis as approved by the Planning Commission.

C. In-Lieu Mitigation Fee. The Approving Authority may determine that the remedies described above are not feasible or desirable and may require instead payment of a cash contribution based upon the cost of purchasing, planting, irrigating and maintaining the required number of 15-gallon trees. The cost of purchasing, planting, irrigating and maintaining a 15-gallon oak tree shall be set by City Council resolution. The cash contribution shall be deposited into one or both of the following funds as determined by the Planning Manager:



- 1. Native Oak Tree Propagation Fund.** This fund shall be used to propagate, purchase, plant, protect and maintain native oak trees. Uses of the fund include, but are not limited to, purchasing property to plant or protect native oak trees, propagating native oak trees from seed or container stock and maintaining existing and replacement native oak trees.
- 2. Non-Native Tree Fund.** This fund shall be used to purchase, plant, irrigate and maintain non-native trees within Roseville. Uses of the fund include, but are not limited to, purchasing and propagating non-native trees from seed or container stock and maintaining existing and replacement non-native trees. (Ord. 5428 § 1, 2014.)

The following table shows how various sizes of newly planted replacement trees equates to inches DBH in the tree replacement ratio:

Tree Size	DBH Equivalent
15 Gallon	One inch DBH
24 Inch Box	Two inch DBH
36 Inch Box	Three inch DBH

The trees inventoried for this report are included in the table below, which identifies their name, assigned numbers, counts and percentages of total.

	NAME	TREE NUMBER(S)	COUNT	% OF TOTAL
1.	Valley Oak	1,8-11,13-17,23,25-27,30-32, 34-39,41-46,51,52,54-56,58- 60	36	56%
2.	Blue Oak	2, 7	2	3%
3.	Interior Live Oak	3-6,12, 24, 28, 29, 33, 40, 53, 57	13	21%
4.	Purple Leaf Plum	18-22, 47-50, 61-63	12	19%
5.	Flowering Pear	64	1	1%
Total Trees			64	100%

All of the trees are located within the medians which will be narrowed to allow for the new traffic lanes. ***In order to best protect the trees to remain prior to construction, Callander Associates recommends to prune the trees and raise the canopies to a minimum of 14' above the finished surface by removing no more than 20% of the total canopy and root prune the trees where excavation is to occur to a depth of 24" at no closer than 6x the tree's DBH.***

3.0 TREE SCORING CRITERIA

Each tree has been evaluated for health and structural condition using a scale of 0-5 based on the International Society of Arboriculture (ISA) standard guidelines:



- 5: Excellent:** A healthy, vigorous tree, reasonably free of signs and symptoms of disease with good structure and form typical of species.
- 4: Good:** No apparent structural defects; no weak crotches; no excessively weighted branches and no significant cavities or decay. Tree appears healthy and has little or no significant deadwood; foliage is normal and healthy.
- 3: Fair:** Minor structural problems such as weak crotches, minor wounds and/or cavities or moderate amount of excessive weight; non-critical structural defects which can be mitigated through pruning, cabling or bracing Tree appears stressed or partially damaged; minimal vegetative growth since previous season; moderate amount of deadwood, abnormal foliage and minor lesions or cambium dieback.
- 2: Poor:** Obvious major structural problems which cannot be corrected with mitigation; potential for major limb, trunk or root system failure is high; significant decay or dieback may be present Tree health is declining; no new vegetative growth; large amounts of deadwood; foliage is severely abnormal.
- 1: Hazardous:** Trees in severe decline, dieback of scaffold branches and/or trunk; extensive structural defects that cannot be corrected. The issues may or may not be considered a dangerous situation.
- 0: Dead:** This indicates a tree that has no significant sign of life.

Most of the trees inventoried were in the Fair to Good scoring range. Scoring for each tree is indicated in the ***Tree Inventory Spreadsheet*** in **Appendix A**.

4.0 DISCUSSION AND RECOMMENDATIONS

Tree Health Care

Water Availability

Water is the most limiting factor in our environment and it is required to maintain each leaf on a tree. The larger a tree becomes the more water is required to maintain it. If there is not enough water in the soil at a depth where it becomes available to the tree's roots, the tree will begin to drop leaves to balance the leaf surface to the available water. Irrigation is required once per month for a trees to remain during the months of May - November, unless 1" of rain has been recorded within the 2 week period. The existing oak trees are currently being water with either spray heads, drip emitters or bubblers and would require continuous watering during the summer months.

Tree Root Structure

The majority of a tree's roots are contained in a radius from the main trunk outward approximately two to three times the canopy of the tree. These roots are located in the top 6" to 24" of soil. It is a common misconception that a tree underground resembles that of the canopy. Surface roots are a common phenomenon with trees grown in compacted soil. There are numerous visible surface roots due to the clay soils and watering practices. ***The roots shall either be exposed by hand digging, or by a hydraulic air spade, and then cut cleanly with a sharp instrument or cut with a Vermeer or Dosko Root Pruner to a depth of 24" prior to any grading***

activities at a distance of no closer than 6x the tree's DBH. Once the roots are severed, the area behind the cut should be moistened and mulched. Roots should not be left exposed.

Roots are the method by which a tree receives water and water-soluble nutrients. The water and nutrients are transported through the tree in the cambium layer, which lies just underneath the bark. Photosynthesis, which occurs in the leaves, requires the water from the roots. In return, the leaves produce sugars to feed the roots. There is a balance between the roots and leaves. There must be enough of each to provide for the other. In re-iteration: The green part of the tree has an equal and more vigorous portion of roots that are unseen below the ground. What you see is a small portion of the tree! In many park settings, the root environment is significantly altered and it is common to see the tree canopy declining as a result of root loss from soil compaction.

Soil Compaction

Soil compaction occurs when the particles, which make up the soil, are re-arranged and broken to reduce the pores or open spaces in the soil. Soil compaction is a serious issue for mature trees. The roots are the method by which a tree receives nutrients, water and air. In addition, Mycorrhizae is a symbiotic fungus, which grows on the roots of trees. This fungus injects nonwatery soluble nutrients, which are required by the tree into the roots. If the soil is compacted and without pore space, no air, water, or water-soluble nutrients are available to the tree, Mycorrhizae does not survive to provide other necessary nutrients and the roots are suffocated. In addition, "anaerobic" decay (without oxygen) will kill the roots, causing the tree to decline and become a whole-tree-failure-hazard.

All of the areas with compacted soil should be mitigated by vertical aeration. Aeration can be accomplished by drilling holes 2" – 3" in diameter and to a depth of about 24". The holes should be spaced at intervals of 24". A topping of sandy loam soil or compost should then be used to fill in the holes (see vertical mulching details). Soil and compost should NOT be added against the bark of any tree. After this repair work is completed, mulch should be added to protect from future compaction. Mulch helps to provide insulation from temperature fluctuations, deter weed growth, moisture retention, and the process by which they break down provides nutrients to the soil. Mulch also helps to distribute pressure as it is placed, such as when a person walks between trees.

Roots and Infrastructure Conflict Resolution and Recommendations

Existing pavement is likely to cover large roots when they are in close proximity to trees and damage to the infrastructure often occurs. In the landscape area there are many visible exposed roots will need to be cut. It is recommended that roots be cut prior to the start of construction:

1. Do not walk on newly exposed roots.
2. Do not store any materials on newly exposed roots.
3. Roots shall be left in place for Arborist inspection if root pruning is deemed necessary.
4. Any trenching should be by hand in between existing roots with a certified arborist on-site.
5. At any location where the root zone of a tree will be impacted by a trench or a cut (including a cut required for a fill and compaction), the roots shall be exposed with either a backhoe digging radially to the trunk, by hand digging, or by a hydraulic air spade, and then cut cleanly with a sharp instrument, such as a Vermeer or Dosko Root Pruner or chainsaw with a carbide chain.
6. Once the roots are severed, the area behind the cut should be moistened and mulched.

7. A root protection fence should also be erected to protect the remaining roots, if it is not already in place.
8. Further grading work required outside the established RPZ can then continue without further protection measures.
9. The location of utilities on the site can be very detrimental to trees, so there should be as few trenches as possible, and to keep them away from the major trees to be protected.
10. Wherever possible, in areas where trenches will be very deep, consider boring under the roots of the trees, rather than digging the trench through the roots. This technique can be quite useful for utility trenches and pipelines.

Pruning Mature Trees for Risk Reduction

There are few good reasons to prune mature trees. Removal of deadwood, directional pruning, removal of decayed or damaged wood, and end-weight reduction as a method of mitigation for structural faults are the only reasons a mature tree should be pruned. Live wood over 3" should not be pruned unless absolutely necessary. Pruning cuts should be clean and correctly placed. Pruning should be done in accordance with the American National Standards Institute (ANSI) A300 standards. It is far better to use more small cuts than a few large cuts as small pruning wounds reduce risk while large wounds increase risk. Pruning causes an open wound in the tree. Trees do not "heal" they compartmentalize. Any wound made today will always remain, but a healthy tree, in the absence of decay in the wound, will 'cover it' with callus tissue. Large, old pruning wounds with advanced decay are a likely failure point. Mature trees with large wounds are a high failure risk. Overweight limbs are a common structural fault in suppressed trees and should be pruned to reduce the extension of the canopy. **The overall canopy shall not be reduced by more than 20% unless approved by the City Urban Forester.**

5.0 DESIGN AND PROTECTION CONSIDERATIONS

Recommendations presented within this section are intended to serve as guidelines for achieving mitigation and the protection of the trees anticipated to be retained or removed. They should be carefully followed and incorporated into the project plans, and are subject to revision upon reviewing the project plans.

1. **Prior to construction:** A circle with a radius measurement from the trunk of the tree to the tip of its longest limb, plus one foot, shall constitute the critical root zone protection area of each protected tree. Limbs must not be cut back in order to change the dripline. The area beneath the dripline is a critical portion of the root zone and defines the minimum protected area of each protected tree. Removing limbs that make up the dripline does not change the protected area.
2. **Pruning:** Any protected trees on site which require pruning shall be pruned by a State of California Licensed Tree Contractor (C61/D49), ISA Certified Arborist or Certified Tree Worker prior to the start of construction work. Pruning may include end-weight reduction and removal of small branches up to 3" diameter. Crown raising shall be minimal and shall not be performed without approval by the Project Arborist. All pruning shall be done by a in accordance with the Best Management Practices for Pruning (International Society of

Arboriculture, 2002) and adhere to the most recent editions of the American National Standard for Tree Care Operations (Z133.1) and Pruning (A300).

3. **Tree protection and fencing:** Prior to initiating construction, temporary protective fencing shall be installed one foot beyond the limit of work or 6X the DBH of the protected trees in order to avoid damage to the tree canopies and root systems. Fencing should be 6' chain link fence panels on concrete blocks or a four (4') foot high orange or yellow plastic, high visibility fence that shall be staked 10' o.c. maximum spacing, with 5' steel "T" posts or 2" x 2" square wood posts prior to the commencement of any grading operations or such other time as determined by the review body. The contractor shall contact the Project Arborist and the Urban Forester for an inspection of the fencing prior to commencing construction activities on site. A 6" layer of mulch may be installed within the Tree Protection Zone (TPZ). Modifications to fencing at existing hardscape areas or other obstacles should be reviewed by the Project Arborist.
4. **Root Pruning:** Roots shall be cut cleanly using a Vermeer or Dosko Root Pruner, or a clean, sharp handsaw, and shall not be ripped or torn. Cuts shall be made perpendicular to the direction of the root's growth and to a depth of 24". Exposed roots and cut ends shall be promptly covered with moist soil or with burlap that is kept wet until the excavation can be back-filled and watered thoroughly.
5. **Protected trees:** Protected Trees designated for removal will require a permit in accordance to the *City of Roseville Municipal Code, Title 19, Article IV, Chapter 19.66*.
6. **All site related plans:** (e.g. demolition, site, civil, landscape, and electrical) should accurately show the trunk size and location, canopy, and assigned number of each existing tree to remain. The grading and drainage plan should also show existing contour intervals or elevations at trunks of trees to be retained. The following plans should be reviewed for tree-related impacts:
 - a. layout and materials
 - b. demolition
 - c. grading
 - d. drainage
 - e. underground utility
 - f. planting and irrigation
7. **Demolition:** Any removal of paving or structures (i.e. demolition) that occurs within the dripline of a protected tree shall be done under the direct supervision of the Project Arborist. To the maximum extent feasible, demolition work within the dripline protection area of the protected tree shall be performed by hand. If the Project Arborist determines that it is not feasible to perform some portion(s) of this work by hand, then the smallest/lightest weight equipment that will adequately perform the demolition work shall be used.
8. **All work within the TPZ** should be performed by hand, unless approved by the Project Arborist.
9. **All existing, unused lines or pipes beneath the canopies of retained trees** shall be abandoned or cut off at existing soil grade. This should be specified on the demolition plan.
10. **The future staging area and route of access** should be shown on the final site plan and established outside of the tree canopies.

11. **All utilities and services** should be routed beyond TPZs. Boxes, meters or vaults should be installed outside of the trees' canopies.
12. **Drainage:** Drainage patterns on the site shall not be modified so that water collects, stands or is diverted across the dripline of any protected tree.
13. **Maintenance during construction:** The contractor shall be responsible for providing supplemental water for the trees that are to remain if the existing irrigation system has been damaged or is not fully operational. Frequency and amount shall be as recommended by the Project Arborist.
14. **Trenching:** No trenching shall be allowed within the driplines of protected trees, except as specifically approved by the Project Arborist or City's Urban Forester as set forth in the project's conditions of Approval and/or approved tree permit. If it is absolutely necessary to install underground utilities within the dripline of a protected tree the utility line within the protected zone shall be "bored and jacked" or performed utilizing hand tools to avoid root injury under the direct supervision of the Project Arborist.
15. **Grading:** Grading within the protected zone of a protected tree shall be minimized. Cuts within the protected zone shall be maintained at less than 20% of the critical root zone area. Grade cuts shall be monitored by the Project Arborist. Any damaged roots encountered shall be root pruned and properly treated as deemed necessary by the Project Arborist.
16. **Fills:** If fills are required and exceed 12" in depth, up to 20% of the critical root zone area, aeration systems may serve to mitigate the presence of the fill materials as determined by the Project Arborist. When fill materials are deemed necessary on two or three sides of a tree it is critical to provide for drainage away from the critical root zone area of the tree (particularly when considering heavy winter rainfalls). Overland releases and subterranean drains dug outside the critical root zone area and tied directly to the main storm drain system are two options.
17. **Minor roots:** Roots less than one (1) inch in diameter encountered during approved excavation and/or grading activities may be cut, but damaged roots shall be traced back and cleanly cut behind any split, cracked or damaged area as deemed necessary by the Project Arborist.
18. **Major roots:** Major Roots greater than one (1) inch in diameter encountered during approved excavation and/or grading activities may not be cut without approval of the Project Arborist. Depending upon the type of improvement being proposed, bridging techniques or a new site design may need to be employed to protect the roots and the tree.
19. **Planting:** Landscaping beneath native oak trees may include non-plant materials such as bark mulch, wood chips, boulders, etc. Planting live material under protected native oak trees is generally discouraged, and is not recommended within six (6) feet of the trunk of a



native oak tree with a diameter at breast height (DBH) of eighteen (18) inches or less, or within ten (10) feet of the trunk of a native oak tree with a DBH of more than eighteen (18) inches. Only native plant species or those which are drought tolerant shall be planted within the dripline of native oak trees.

6.0 ASSUMPTIONS, LIMITATIONS AND DISCLAIMER

The scope of work assigned for this report pertains solely to trees listed in **Appendix A**.

All information presented in this report considers the condition and appearance of trees observed at the time of the site visit.

All of the conclusions in this report are based solely on the observation of conditions on the site which were readily visible. Trees may appear to be healthy and structurally sound but can contain hidden faults which could result in failure.

Observations were performed visually without extensive probing, excavating or testing.

Existing plant material could visually inhibit the observation of critical defects at the base of a tree such as decay or evidence of decay agents (mushrooms or conks). They also can hide ground heaving, compacted soil, soil contamination, and many other critical evaluation details. Whenever these conditions exist, the visual assessment was limited and the tree should be reevaluated upon removal of the inhibiting condition.

No assurance can be offered that if all my recommendations and precautionary measures are accepted and followed, that the desired results may be achieved.

The information provided herein represents my opinion and may differ from other professionals, arborists or consultants.

This report has been prepared for the sole and exclusive use of the parties to whom it is submitted for the purpose of consulting services provided by Callander Associates.

If any part of this report or copy is lost or altered, the entire evaluation shall be invalid.

Disclaimer:

Please bear in mind that implementation of the recommendations provided within this report will help to reduce adverse impacts of construction on the retained trees; however, implementation of any recommendations should not be viewed as a guarantee or warranty against the trees' ultimate demise and/or failure in the future. Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of the trees and attempt to reduce the risk of living near trees. Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Entities who choose to construct homes on wooded property are



accepting a certain level of risk from unpredictable tree related hazards such as toppling in storms, limbs falling and fires that may damage property at some time in the future. Since trees are living organisms their structure and vigor constantly change over time, and they are not immune to changes in site conditions or seasonal variations in the weather. Further, conditions are often hidden within the tree and/or below ground. Arborists and other tree care professionals cannot guarantee that a tree will be healthy and/or safe under all circumstances or for a specific period of time. Likewise remedial treatments cannot be guaranteed. Trees can be managed but they cannot be controlled. To develop land and live near trees is to accept some degree of risk and the only way to eliminate all risk associated with trees would be to eliminate all of the trees. An entity who develops land and builds a home with a tree in the vicinity should be aware of and inform their future residents of this Arborists' Disclaimer, and be further advised that the developer and the future residents assume the risk that a tree could at any time suffer a branch and/or limb failure, blow over in a storm and/or fail for no apparent reason which may cause bodily injury or property damage. **Callander Associates** cannot predict acts of nature including, without limitation, storms of sufficient strength which can even take down a tree with a structurally sound and vigorous appearance.

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September 16, 2022

Appendix A

Tree Inventory Spreadsheet

TREE INVENTORY SPREADSHEET PLEASANT GROVE WIDENING



TOTAL							REMOVED	
46		>6" DBH NATIVE OAKS (PROTECTED TREES)					37	
18		ALL OTHER TREES					8	
64		TOTAL TREES					45	
#	Botanical Name	Common Name	DBH	Condition	Canopy Radius	Comments	Protected Tree	Remove
1	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'		Y	X
2	<i>Quercus douglasii</i>	Blue Oak	28"	Good	22'		Y	X
3	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Good	6'		N	
4	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Good	3'	Multi-stem	Y	
5	<i>Quercus wislizeni</i>	Interior Live Oak	8"	Good	15'		Y	
6	<i>Quercus wislizeni</i>	Interior Live Oak	8"	Fair	15'	Leaning	Y	
7	<i>Quercus douglasii</i>	Blue Oak	38"	Fair	32'	Open cavities	Y	X
8	<i>Quercus lobata</i>	Valley Oak	8"	Fair	15'	Numerous galls on branches	Y	
9	<i>Quercus lobata</i>	Valley Oak	10"	Fair	15'	Leaning	Y	X
10	<i>Quercus lobata</i>	Valley Oak	8"	Good	15'		Y	
11	<i>Quercus lobata</i>	Valley Oak	4"	Good	12'		N	
12	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Good	12'		Y	
13	<i>Quercus lobata</i>	Valley Oak	12"	Good	12'		Y	
14	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'		Y	
15	<i>Quercus lobata</i>	Valley Oak	14"	Good	15'		Y	
16	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'		Y	X
17	<i>Quercus lobata</i>	Valley Oak	8"	Fair	12'	Poor structure	Y	X
18	<i>Prunus cerasifera</i>	Flowering Plum	8"	Good	10'	Multi-stem	N	
19	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	10'	Leaning	N	
20	<i>Prunus cerasifera</i>	Flowering Plum	2"	Fair	4'	Remove suckers at base	N	
21	<i>Prunus cerasifera</i>	Flowering Plum	12"	Good	10'	Remove dead wood	N	
22	<i>Prunus cerasifera</i>	Flowering Plum	12"	Good	10'	Multi-stem	N	X
23	<i>Quercus lobata</i>	Valley Oak	8"	Good	10'		Y	X
24	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	4'	Leaning	N	X
25	<i>Quercus lobata</i>	Valley Oak	6"	Good	12'		Y	X
26	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'	Numerous galls on branches	Y	X
27	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'		Y	X
28	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Fair	7'	Sun scalding on trunk	Y	X
29	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	5'	Poor structure	N	X
30	<i>Quercus lobata</i>	Valley Oak	8"	Good	15'	Surface roots visible	Y	X
31	<i>Quercus lobata</i>	Valley Oak	10"	Good	15'	Surface roots visible	Y	X
32	<i>Quercus lobata</i>	Valley Oak	10"	Good	15'	Surface roots visible	Y	X
33	<i>Quercus wislizeni</i>	Interior Live Oak	12"	Good	12'	Surface roots visible	Y	X

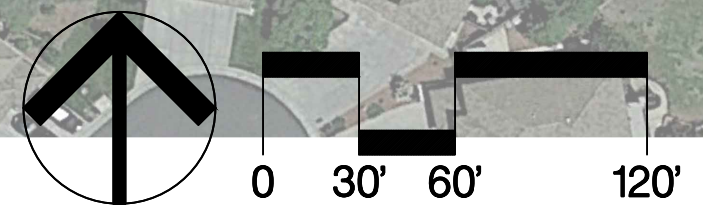
**TREE INVENTORY SPREADSHEET
PLEASANT GROVE WIDENING**

34	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'	Surface roots visible	Y	X
35	<i>Quercus lobata</i>	Valley Oak	14"	Good	18'	Surface roots visible	Y	X
36	<i>Quercus lobata</i>	Valley Oak	10"	Good	18'	Surface roots visible	Y	X
37	<i>Quercus lobata</i>	Valley Oak	14"	Fair	25'	Codominant leaders	Y	X
38	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'	Surface roots visible	Y	X
39	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'	Surface roots visible	Y	X
40	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	5'	Sun scalding on trunk	N	
41	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'	Leaning	Y	X
42	<i>Quercus lobata</i>	Valley Oak	16"	Good	22'	Surface roots visible	Y	X
43	<i>Quercus lobata</i>	Valley Oak	6"	Poor	14'	Numerous galls on branches	Y	X
44	<i>Quercus lobata</i>	Valley Oak	10"	Fair	18'	Leaning	Y	X
45	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'	Numerous galls on branches	Y	X
46	<i>Quercus lobata</i>	Valley Oak	10"	Good	18'		Y	X
47	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	10'		N	X
48	<i>Prunus cerasifera</i>	Flowering Plum	6"	Fair	6'	Leaning	N	X
49	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	8'		N	X
50	<i>Prunus cerasifera</i>	Flowering Plum	10"	Good	10'	Surface roots visible	N	X
51	<i>Quercus lobata</i>	Valley Oak	6"	Good	12'		Y	X
52	<i>Quercus lobata</i>	Valley Oak	6"	Good	10'		Y	X
53	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Good	8'		Y	X
54	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
55	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
56	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
57	<i>Quercus wislizeni</i>	Interior Live Oak	10"	Good	8'		Y	X
58	<i>Quercus lobata</i>	Valley Oak	6"	Good	10'		Y	X
59	<i>Quercus lobata</i>	Valley Oak	8"	Good	10'		Y	X
60	<i>Quercus lobata</i>	Valley Oak	10"	Good	10'		Y	X
61	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	
62	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	
63	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	
64	<i>Pyrus calleryana</i>	Flowering Pear	12"	Good	20'	Multi-stem	N	X

**APPENDIX B:
TREE DISPOSITION MAP**

TREE DISPOSITION LEGEND

-  REMOVE AND DISPOSE OF EXISTING TREE
-  EXISTING TREE TO REMAIN, PROTECT IN PLACE
- 12 TREE TAG NUMBER, REFER TO ARBORIST REPORT



WOODCREEK OAKS
GOLF COURSE

PLEASANT GROVE BLVD.

KIPLING CT.

BECKETT DR.

ALCOTT CT.

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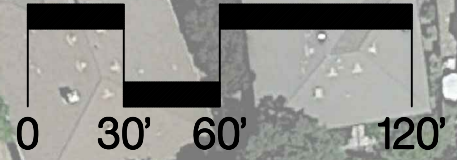
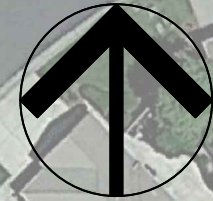
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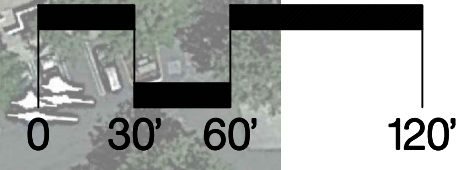
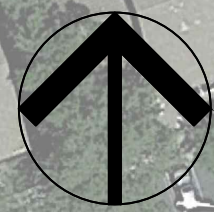
PLEASANT GROVE BLVD.

LAPORTE DR.

HEMINGWAY DR.

TRUEWOOD BY MERRILL,
ROSEVILLE

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Google Earth

PLEASANT GROVE BLVD.

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Timmy Gingers

Los Cabos Grill

Verizon Auto

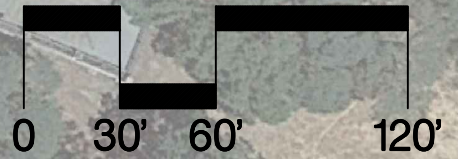
Lollicup

Starbucks

Tandoori flame Halo Salon & Day Spa

Google Earth

Riolo & Associates



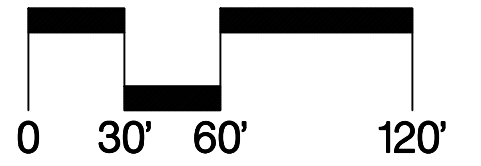
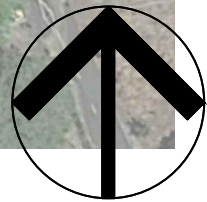


PLEASANT GROVE BLVD.

61 62 63

Vista Point Eye Care

McKague Rosasco LLP



APPENDIX B

Air Quality

B-1: Air Quality and Greenhouse Gas Emissions Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022,)

B-2: Air Quality Construction Emissions Model Outputs

B-3: Greenhouse Gas Construction Emissions Model Outputs

APPENDIX B

Air Quality

**B-1: Air Quality and Greenhouse Gas Emissions Assessment
for the Pleasant Grove Boulevard Widening Project
(ECORP Consulting, Inc. July 2022,)**

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B-3: Greenhouse Gas Construction Emissions Model Outputs

**Air Quality & Greenhouse Gas Emissions
Assessment
for the
Pleasant Grove Boulevard Widening Project**

City of Roseville, California

Prepared For:



Prepared By:



July 2022

TABLE OF CONTENTS

1.0	INTRODUCTION	1-1
1.1	Project Location and Background	1-1
1.2	Project Description	1-1
1.2.1	Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection.....	1-5
1.2.2	Pleasant Grove Boulevard/Country Club Drive Intersection	1-6
1.2.3	Pleasant Grove Boulevard/Foothills Boulevard Intersection	1-6
1.3	Project Construction	1-6
2.0	AIR QUALITY	2-1
2.1	Environmental Setting	2-1
2.1.1	Sacramento Valley Air Basin.....	2-1
2.1.2	Criteria Air Pollutants	2-1
2.1.3	Toxic Air Contaminants	2-4
2.1.4	Diesel Exhaust	2-5
2.1.5	Ambient Air Quality	2-5
2.1.6	Sensitive Receptors	2-6
2.2	Regulatory Framework.....	2-7
2.2.1	Federal	2-7
2.2.2	Clean Air Act.....	2-7
2.2.3	State.....	2-7
2.2.4	Local.....	2-8
2.3	Air Quality Emissions Impact Assessment.....	2-10
2.3.1	Threshold of Significance	2-10
2.3.2	Methodology	2-11
2.3.3	Impact Analysis.....	2-12
3.0	GREENHOUSE GAS EMISSIONS	3-1
3.1	Greenhouse Gas Setting.....	3-1
3.1.1	Sources of Greenhouse Gas Emissions	3-2
3.2	Regulatory Framework.....	3-3
3.2.1	State.....	3-3
3.2.2	Local.....	3-4
3.2.3	Thresholds of Significance	3-4
3.3	Methodology	3-6
3.3.1	Impact Analysis.....	3-7
4.0	REFERENCES.....	4-1

LIST OF FIGURES

Figure 1-1. Project Location and Vicinity 1-2
 Figure 1-2. Preliminary Road Widening (West) 1-3
 Figure 1-3. Preliminary Road Widening (East) 1-4
 Figure 1-4. Staging Area 1-8

LIST OF TABLES

Table 1-1. Construction Phasing 1-6
 Table 2-1. Summary of Criteria Air Pollutants Sources and Effects 2-2
 Table 2-2. Summary of Ambient Air Quality Data 2-5
 Table 2-3. Attainment Status of Criteria Pollutants in Placer County Portion of the SVAB 2-6
 Table 2-4. PCAPCD Significance Thresholds – Pounds per Day 2-11
 Table 2-5. Construction-Related Criteria Air Pollutant Emissions 2-13
 Table 2-6. Operational Criteria Air Pollutant Emissions for AM & PM Peak Periods (Maximum Pounds per Day) 2-14
 Table 2-7. Operational-Related Emissions Summary 2-15
 Table 3-1. Summary of Greenhouse Gases 3-2
 Table 3-2. Construction-Related Greenhouse Gas Emissions 3-8
 Table 3-3. Operational GHG Emissions for AM & PM Peak Periods (Metric Tons Annually) 3-9
 Table 3-4. Operational-Related GHG Emissions Summary 3-10

LIST OF ATTACHMENTS

- Attachment A – Emissions Modeling Output Files – Criteria Air Pollutants
 Attachment B – Emissions Modeling Output Files – Greenhouse Gas Emissions

LIST OF ACRONYMS AND ABBREVIATIONS

Term	Description
AB	Assembly Bill
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAPCOA	California Air Pollution Control Offices Association
CARB	California Air Resources Board

Term	Description
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CIP	Capital Improvement Program
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
cy	Cubic yard(s)
DPM	Diesel Particulate Matter
EMFAC	EMission FACtor model
EO	Executive Order
GHG	Greenhouse Gas
IPCC	Intergovernmental Panel on Climate Change
LOS	Level of Service
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen Dioxide
NO _x	Nitric Oxides
O ₃	Ozone
PCAPCD	Placer County Air Pollution Control District
PM	Particulate Matter
PM ₁₀	Coarse Particulate Matter
PM _{2.5}	Fine Particulate Matter
ppm	Parts per Million
Project	Pleasant Grove Boulevard Widening Project
RCEM	Roadway Construction Emissions Model
ROG	reactive organic gases
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SR	State Route
SVAB	Sacramento Valley Air Basin
SVAQEEP	Sacramento Valley Air Quality Engineering and Enforcement Professionals
TAC	Toxic Air Contaminants
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compounds

1.0 INTRODUCTION

This report documents the results of an Air Quality and Greenhouse Gas (GHG) Emissions Assessment completed for the Pleasant Grove Boulevard Widening Project (Project), which includes the widening of Pleasant Grove Boulevard in Roseville from two to three lanes in each direction, beginning at approximately 1,500 feet east of Foothills Boulevard and extending to approximately 700 feet west of Woodcreek Oaks Boulevard. This assessment was prepared using methodologies and assumptions recommended in the rules and regulations of the Placer County Air Pollution Control District (PCAPCD). Regional and local existing conditions are presented, along with pertinent emissions standards and regulations. The purpose of this assessment is to estimate Project-generated criteria air pollutants and GHG emissions attributable to the Project and to determine the level of impact the Project would have on the environment. Significance levels derived from PCAPCD regulations are utilized to compare modeled Project emissions and determine significance.

1.1 Project Location and Background

Pleasant Grove Boulevard is an existing four- and six-lane arterial road that runs east to west through the north central portion of the City of Roseville (Figure 1-1). It begins east of State Route (SR) 65 at the City's eastern boundary with the City of Rocklin and extends west approximately 6.3 miles to Westbrook Boulevard near the City's western boundary. Pleasant Grove Boulevard, which currently experiences heavy daily traffic congestion, serves as one of the main east-west travel corridors connecting residents traveling from the West Roseville area to popular shopping and dining destinations and office buildings in the North Central Roseville Specific Plan area. Pleasant Grove Boulevard provides a vital economic link from residential areas to shopping and employment centers via its connections with other major arterial thoroughfares, including Roseville Parkway, Washington Boulevard, Foothills Boulevard, Woodcreek Oaks Boulevard, Sun City Boulevard, Fiddymont Road and Westbrook Boulevard, as well as to regional highways including SR 65 and Interstate 80.

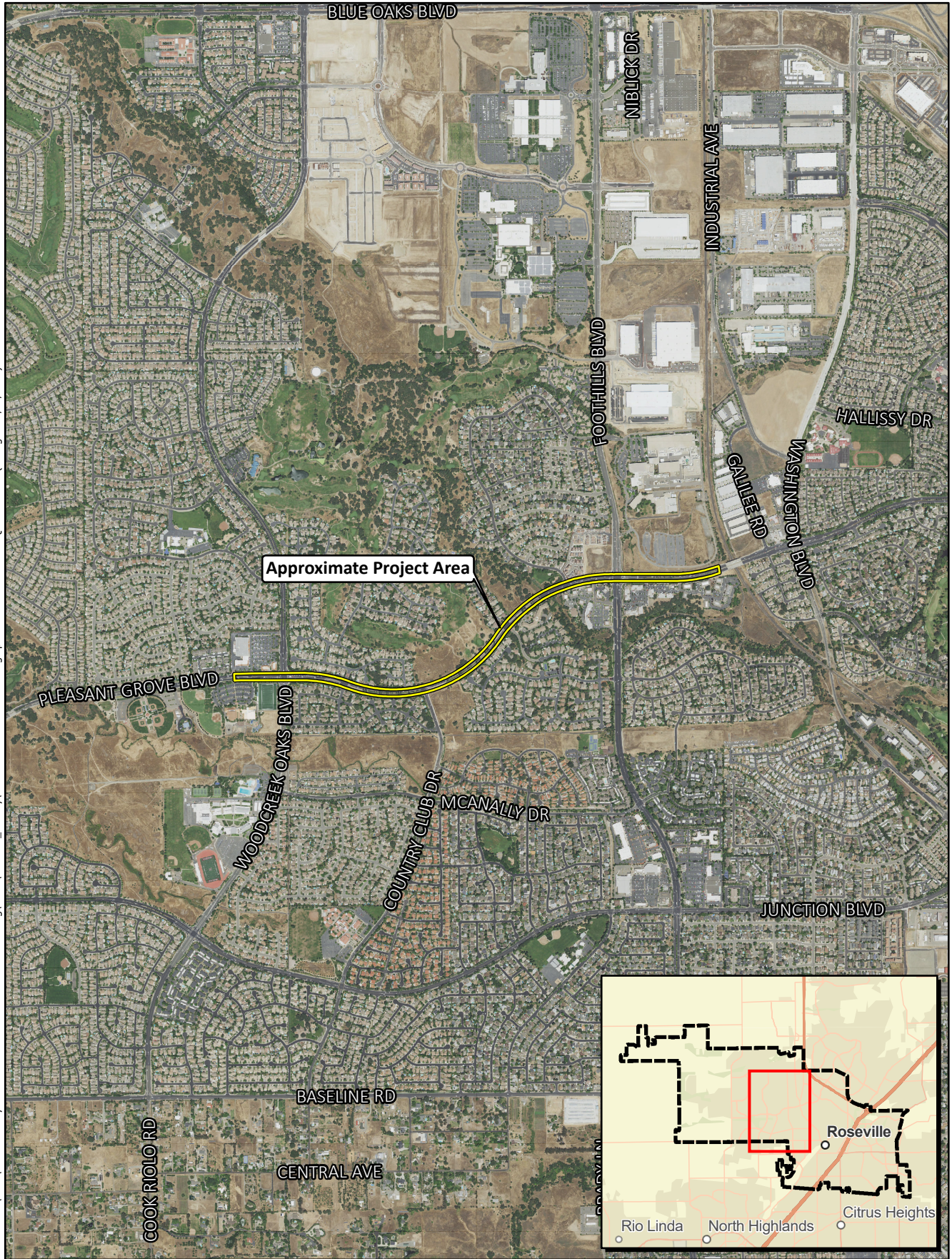
1.2 Project Description

The Proposed Project includes widening of Pleasant Grove Boulevard from two to three lanes in each direction beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard (Project Limits). The overall road widening Project, including the location and limits of proposed road widening, lane striping, and related Project improvements are shown on Figures 1-2 and 1-3.

The Project proposes to address existing and expected future traffic congestion and improve circulation consistent with the City's Transportation System 2035 Capital Improvement Program (CIP), which includes the following improvement:

- Widen Pleasant Grove Boulevard from two to three lanes in each direction beginning at approximately 1,500 feet east of Foothills Boulevard extending to approximately 700 feet west of Woodcreek Oaks Boulevard. Widening would primarily occur to the interior roadway median, which is sized to accommodate the additional travel lane, while preserving existing exterior curb, gutter, and sidewalk improvements.

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Map Date: 4/21/2022
Sources: ESRI, USGS, Placer County

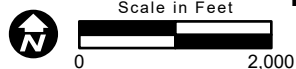
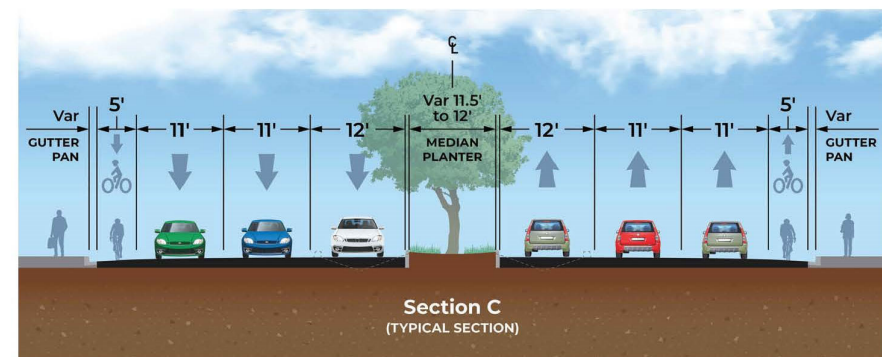
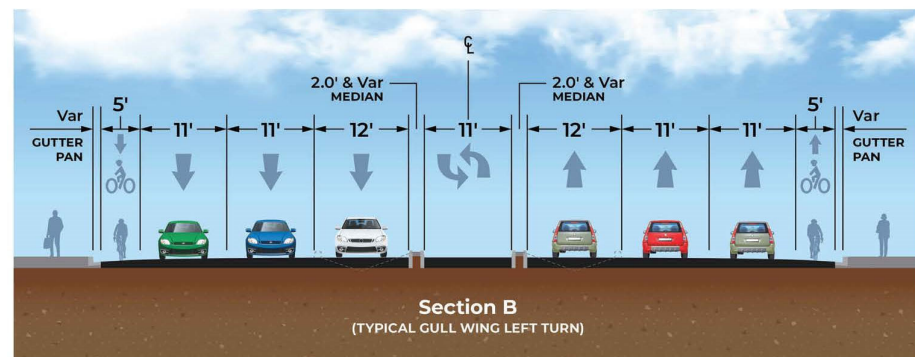


Figure 1-1. Project Location and Vicinity

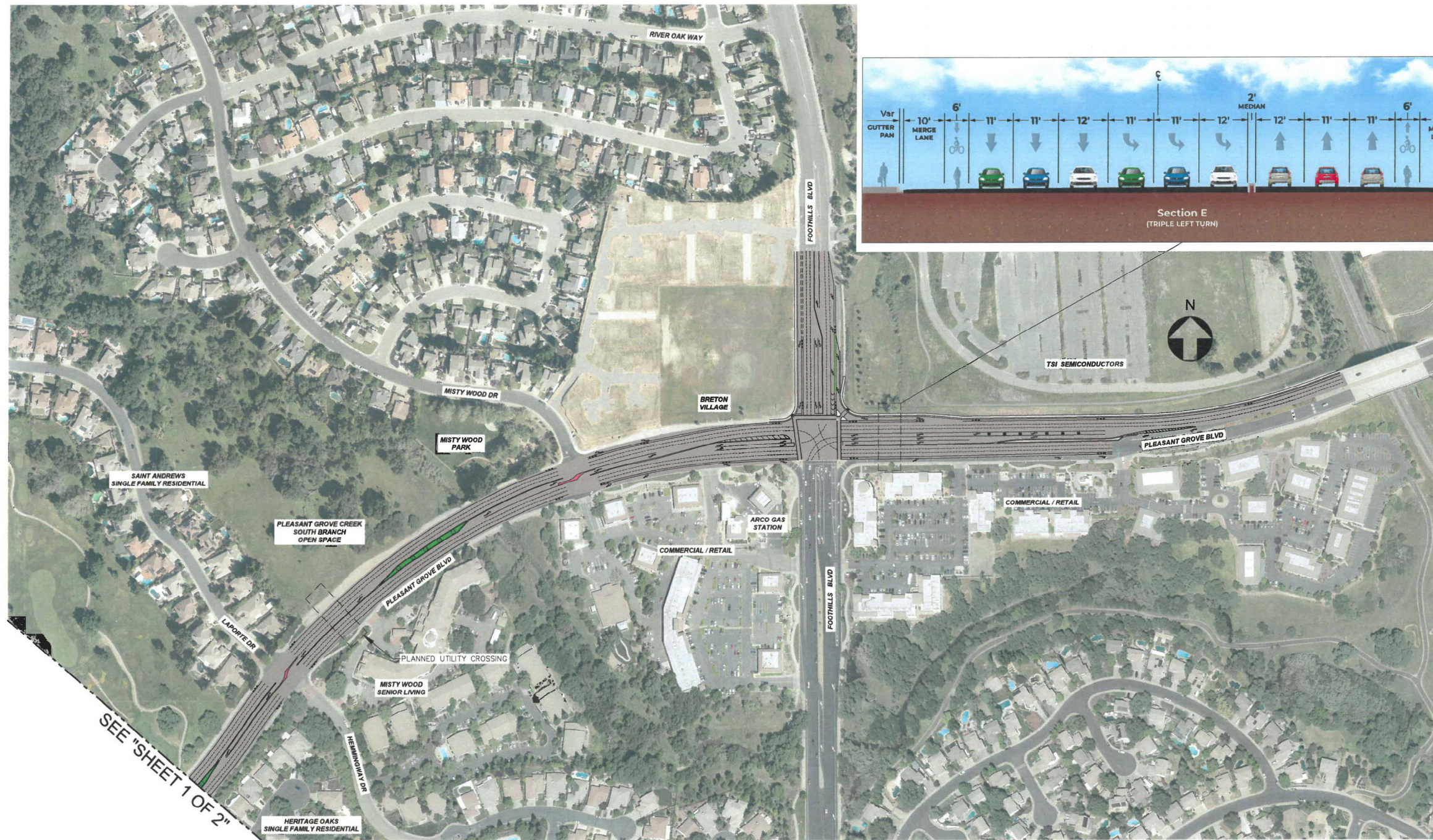
2021-260 City of Roseville Pleasant Grove Widening



PLEASANT GROVE BLVD WIDENING PROJECT

SHEET 1 OF 2





PLEASANT GROVE BLVD WIDENING PROJECT
SHEET 2 OF 2



The City's Transportation System 2035 CIP identifies planned improvements to the city-wide road network to reduce congestion and enhance accessibility for motorists, pedestrians, and cyclists. Transportation system CIP improvements are funded by traffic impact fees assessed on new development. The Proposed Project would implement certain planned CIP improvements within the Project Limits with funding provided by the CIP fee program. No federal funding would be used for the Project.

As shown in Figures 1-2 and 1-3, the Project would widen Pleasant Grove Boulevard from four travel lanes to six travel lanes, configured as three eastbound and three westbound lanes, from the existing six-lane section east of Foothills Boulevard west through Woodcreek Oaks Boulevard. Road widening would primarily occur to the interior median, which is sized to accommodate the additional travel lanes while preserving the roadway's existing exterior curb, gutter, and sidewalk. With one small exception, all road widening is proposed to occur within the existing right-of-way. The sole exception is at the northeast corner of the Foothills Boulevard intersection, where private property acquisition is required to accommodate approximately 500-linear feet of widening of the existing right-of-way by approximately 10 feet (or 5,000 square feet).

Proposed widening between Misty Wood Drive and Woodcreek Oaks Boulevard would be accomplished by removing a portion of the existing median and adding a third lane in each direction of travel on the inside of the existing roadway. At the Foothills Boulevard intersection, the free right-turn lane island at the northwest corner of the intersection would be removed and replaced with a dedicated right-turn lane from southbound Foothills Boulevard to westbound Pleasant Grove Boulevard. Widening east of Foothills Boulevard would be accommodated by relocating the westbound to northbound right-turn lane to the north, allowing area for an additional third westbound through-lane to extend the southbound left-turn lane storage. Striping would be modified on Pleasant Grove Boulevard to provide an additional third through-lane in each direction of travel at the Woodcreek Oaks Boulevard intersection. The Proposed Project would join existing roadway improvements approximately 700 feet west of Woodcreek Oaks Boulevard.

In addition to roadway widening, minor modifications to traffic signal pole placement would be implemented where necessary to accommodate the proposed road widening, turn lane, and restriping improvements. Signal light timing would also be adjusted to optimize intersection level of service (LOS) operations throughout the Project limits. In addition, any non-conforming pedestrian crosswalk curb ramps would be reconstructed consistent with Americans with Disabilities Act requirements.

To improve intersection operations, the Project also proposes the following adjustments to existing left-turn lane configuration and storage:

1.2.1 Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection.

Storage capacity of the westbound left-turn lane would be maintained by shortening the eastbound left-turn pocket at Birkdale Drive. As the turn lanes are back-to-back, this would be an improved allocation of storage to better suit the demands for each movement.

1.2.2 Pleasant Grove Boulevard/Country Club Drive Intersection

The westbound left-turn pocket would be extended from 290 to 350 feet to better accommodate morning and afternoon peak traffic queues.

1.2.3 Pleasant Grove Boulevard/Foothills Boulevard Intersection

Additional westbound left-turn storage would be installed within the existing Pleasant Grove Boulevard median and by widening to the north, which also accommodates the additional third lane. As shown in Figure 1-3, the ultimate proposed improvements would provide left-turn storage of 450, 800, and 800 feet for left-turn lanes 1, 2, and 3, respectively. With this geometry, the Pleasant Grove Boulevard westbound left-turn movement into the shopping center located south of Pleasant Grove Boulevard would have adequate sight distance per City standards.

Lastly, the Project proposes improvements to three side-street stop-sign-controlled intersections within the Project Limits. Specifically, the following side-street stop-sign-controlled intersections within the Project Limits would be modified to provide right-in, right-out, and left-in turn movements.

- Pleasant Grove Boulevard & Birkdale Drive/Retreat Way
- Pleasant Grove Boulevard & Laporte Drive/Hemingway Drive
- Pleasant Grove Boulevard & Misty Wood Drive

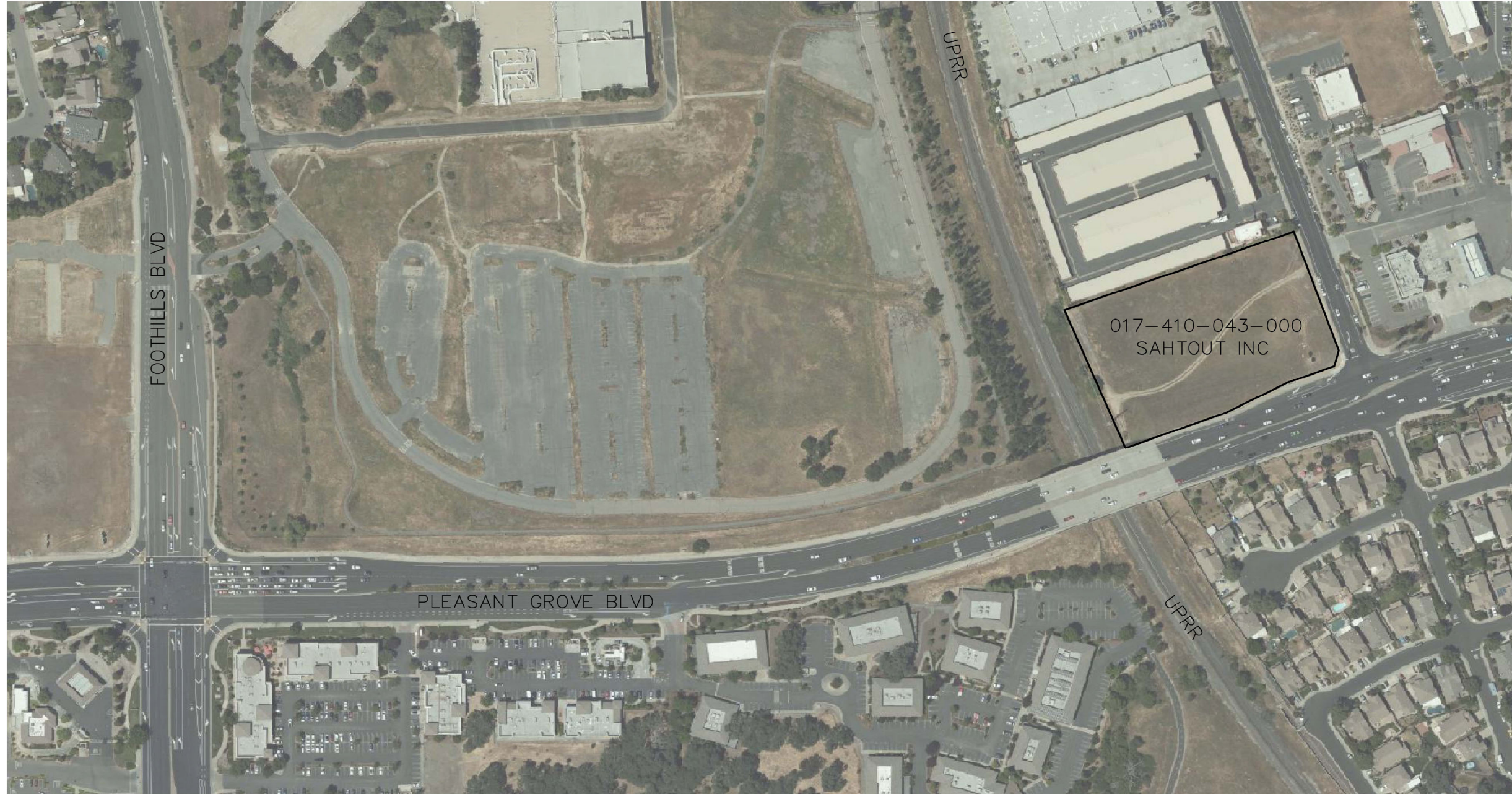
1.3 Project Construction

Project construction is scheduled for spring 2023 and is expected to take 10 months to complete. Construction activities would take place mostly between 7:00 a.m. and 7:00 p.m. Monday through Friday and between 8:00 a.m. and 8:00 p.m. Saturday and Sunday, in compliance with City Municipal Code Chapter 9.24. In order to minimize the disruption to the morning and afternoon peak hours, limited nighttime work would be allowed at the intersection of Foothills and Pleasant Grove boulevards. The general construction phases, duration, and associated activities are identified in Table 1-1. It is anticipated that portions of Phases 2 and 3 would overlap and include concurrent construction activity.

Phase	Duration (Months)	Activity
Phase 1 – Pre-Construction Activities, Mobilization and Site Layout	2	Establish control points, survey, and field stake construction limits. Install environmental sensitive fencing and employ pre-construction BMPs. Clear and establish staging areas and temporary construction access roads. Mobilize heavy equipment, receive, and stockpile construction equipment and supplies.

Table 1-1. Construction Phasing		
Phase	Duration (Months)	Activity
Phase 2 – Grading, Underground Construction, and Tree Removal	2	Clear, grub, and remove vegetation and trees pre-approved for removal from work area. Conduct initial road grading activities, construct below-ground utility extensions and drainage facilities. Establish final road grades and fill slope limits.
Phase 3 – Construction of Road and Landscape Improvements	4	Reconstruct median curb to conform with road widening, install erosion control drainage facilities; lay aggregate base and pave. Reconstruct irrigation to conform to new center median, plant trees and install landscaping.
Phase 4 – Construction Closure Activities	2	Clean up, restore temporarily disturbed areas, demobilize, open roadway.

Following establishment of environmental site controls, construction equipment and supplies would mobilize to the site. The contractor may also establish a temporary construction trailer for onsite contractor administrative functions. During construction, any contractor trailer and all equipment and materials would be stored within the designated Construction Staging Area shown on Figure 1-4 or at an alternative location to be established and environmentally cleared by the Contractor and approved by the City. The Contractor would be responsible for obtaining all permits and rights for any staging area established as part of the Project. Depending on the construction phase, expected onsite equipment could include but is not limited to some combination of equipment listed in Table 1-2 plus hand operated equipment.



SCALE: 1"=100'

Xrefs: _22x34_BorderPlot_X_TPOC_FlattenedPGB-R301_City-Sld
Images: ecopar_COR_black_logo.tiff

NO.	REVISIONS DESCRIPTION	DATE	BY

BENCH MARK ELEV. SEE NOTES
 THE VERTICAL DATUM OF THIS MAPPING IS BASED ON THE CITY OF ROSEVILLE BENCHMARK 85, ADJUSTED TO NAVD88 BY ADDING A PROJECT FACTOR OF +2.16 FEET.

FIELD BOOK
 SCALE _____
 HORIZ. _____
 VERT. _____



PSOMAS
 1075 Creekside Ridge Way, Suite 200 Roseville, CA 95678 (916) 788-8122
 DESIGNED BY: CHRIS BRAZIL DATE 02/2022
 CHECKED BY: _____ DATE _____
 DRAWN BY: CHRIS BRAZIL DATE 02/2022

**PLEASANT GROVE BOULEVARD
 WIDENING PROJECT
 STAGING AREA**

SHEET
 — OF —

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2.0 AIR QUALITY

2.1 Environmental Setting

Air quality in a region is determined by its topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the Sacramento Valley Air Basin (SVAB), which encompasses the Project Limits, pursuant to the regulatory authority of the PCAPCD.

Ambient air quality is commonly characterized by climate conditions, the meteorological influences on air quality, and the quantity and type of pollutants released. The air basin is subject to a combination of topographical and climatic factors that reduce the potential for high levels of regional and local air pollutants. The following section describes the pertinent characteristics of the air basin and provides an overview of the physical conditions affecting pollutant dispersion in the Project Area.

2.1.1 Sacramento Valley Air Basin

The California Air Resources Board (CARB) divides the state into air basins that share similar meteorological and topographical features. Roseville lies in the SVAB, which is comprised of nine air districts. The SVAB is bounded by the Coastal and Diablo mountain ranges on the west, the Sierra Nevada to the east, and the San Joaquin Valley to the south. These mountain ranges reach heights in excess of 6,000 feet above mean sea level, with individual peaks rising much higher. The mountains form a substantial physical barrier to locally created pollution as well as to pollution transported northward on prevailing winds from the Sacramento metropolitan area (Sacramento Valley Air Quality Engineering and Enforcement Professionals [SVAQEPP] 2018).

The environmental conditions of Placer County are conducive to potentially adverse air quality conditions. The basin area traps pollutants between two mountain ranges to the east and the west. This problem is exacerbated by a temperature inversion layer that traps air at lower levels below an overlying layer of warmer air. Prevailing winds in the area are generally from the south and southwest. Sea breezes flow over the San Francisco Bay Area and into the Sacramento Valley, transporting pollutants from the large urban areas. Growth and urbanization in Placer County have also contributed to an increase in emissions.

2.1.2 Criteria Air Pollutants

Criteria air pollutants are defined as those pollutants for which the federal and state governments have established air quality standards for outdoor or ambient concentrations to protect public health with a determined margin of safety. Ozone (O_3), coarse particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$) are generally considered to be regional pollutants because they or their precursors affect air quality on a regional scale. Pollutants such as carbon monoxide (CO), nitrogen dioxide (NO_2), and sulfur dioxide (SO_2) are local pollutants because they tend to accumulate in the air locally. PM is also considered a local pollutant in certain scenarios. Health effects commonly associated with criteria pollutants are summarized in Table 2-1.

Table 2-1. Summary of Criteria Air Pollutants Sources and Effects		
Pollutant	Major Manufactured Sources	Human Health and Welfare Effects
CO	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
NO ₂	A reddish-brown gas formed during fuel combustion for motor vehicles, energy utilities and industrial sources.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Causes brown discoloration of the atmosphere.
O ₃	Formed by a chemical reaction between reactive organic gases (ROG) and nitrous oxides (N ₂ O) in the presence of sunlight. Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, solvents, paints, and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
PM _{2.5} & PM ₁₀	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles, and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
SO ₂	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.

Source: California Air Pollution Control Offices Association (CAPCOA) 2013

2.1.2.1 Carbon Monoxide

CO, in the urban environment, is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can cause headaches, aggravate cardiovascular disease, and impair central nervous system functions. CO concentrations can vary greatly over comparatively short distances. Relatively high concentrations of CO are typically found near crowded intersections and along heavy roadways with slow-moving traffic. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within relatively short distances (i.e., up to 600 feet or 185 meters) of the source. Overall CO emissions are decreasing because of the Federal Motor Vehicle Control Program, which has mandated increasingly lower emission levels for vehicles manufactured since 1973.

2.1.2.2 Nitrogen Oxides

Nitrogen gas comprises about 80 percent of the air and is naturally occurring. At high temperatures and under certain conditions, nitrogen can combine with oxygen to form several different gaseous compounds collectively called nitric oxides (NO_x). Motor vehicle emissions are the main source of NO_x in urban areas. NO_x is very toxic to animals and humans because of its ability to form nitric acid with water in the eyes, lungs, mucus membrane, and skin. In animals, long-term exposure to NO_x increases susceptibility to respiratory infections, and lowering resistance to such diseases as pneumonia and influenza. Laboratory studies show that susceptible humans, such as asthmatics, who are exposed to high concentrations can suffer from lung irritation or possible lung damage. Precursors of NO_x, such as NO and NO₂, attribute to the formation of O₃ and PM_{2.5}. Epidemiological studies have also shown associations between NO₂ concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

2.1.2.3 Ozone

Ozone (O₃) is a secondary pollutant, meaning it is not directly emitted. It is formed when volatile organic compounds (VOC) also known as reactive organic gases (ROG) and NO_x undergo photochemical reactions that occur only in the presence of sunlight. The primary source of ROG emissions is unburned hydrocarbons in motor vehicle and other internal combustion engine exhaust. Sunlight and hot weather cause ground-level O₃ to form. Ground-level O₃ is the primary constituent of smog. Because O₃ formation occurs over extended periods of time, both O₃ and its precursors are transported by wind and high O₃ concentrations can occur in areas away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active can be affected when O₃ levels exceed ambient air quality standards. Numerous scientific studies have linked ground-level O₃ exposure to a variety of problems including lung irritation, difficult breathing, permanent lung damage to those with repeated exposure, and respiratory illnesses.

2.1.2.4 Sulfur Dioxide

SO₂ is a colorless gas with a pungent odor, however sulfur dioxide can react with other particulates in the atmosphere to form particulates that contribute to the haze effect. SO₂ standards have been developed by the U.S. Environmental Protection Agency (USEPA) to regulate all sulfur oxides, however SO₂ is by far the most abundant sulfur oxide in the atmosphere. Currently, SO₂ is primarily a result of the burning of fossil fuels for power generation and other industrial sources. Modern regulations on diesel fuel have greatly reduced the amount of SO₂ in the atmosphere and there are currently no areas in California that have levels of SO₂ that are not acceptable by state or federal standards.

2.1.2.5 Particulate Matter

Particulate matter includes both aerosols and solid particulates of a wide range of sizes and composition. Of concern are those particles smaller than or equal to 10 microns in diameter size (PM₁₀) and small than or equal to 2.5 microns in diameter (PM_{2.5}). Smaller particulates are of greater concern because they can

penetrate deeper into the lungs than larger particles. PM₁₀ is generally emitted directly as a result of mechanical processes that crush or grind larger particles or form the resuspension of dust, typically through construction activities and vehicular travel. PM₁₀ generally settles out of the atmosphere rapidly and is not readily transported over large distances. PM_{2.5} is directly emitted in combustion exhaust and is formed in atmospheric reactions between various gaseous pollutants, including NO_x, sulfur oxides (SO_x) and VOCs. PM_{2.5} can remain suspended in the atmosphere for days and/or weeks and can be transported long distances.

The principal health effects of airborne PM are on the respiratory system. Short-term exposure of high PM_{2.5} and PM₁₀ levels are associated with premature mortality and increased hospital admissions and emergency room visits. Long-term exposure is associated with premature mortality and chronic respiratory disease. According to the USEPA, some people are much more sensitive than others to breathing PM₁₀ and PM_{2.5}. People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worse illnesses; people with bronchitis can expect aggravated symptoms; and children may experience decline in lung function due to breathing in PM₁₀ and PM_{2.5}. Other groups considered sensitive include smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive because many breathe through their mouths.

2.1.3 Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TAC) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis. Carcinogenic TACs can also have noncarcinogenic health hazard levels.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Additionally, diesel engines emit a complex mixture of air pollutants composed of gaseous and solid material. The solid emissions in diesel exhaust are known as diesel particulate matter (DPM). In 1998, California identified DPM as a TAC based on its potential to cause cancer, premature death, and other health problems (e.g., asthma attacks and other respiratory symptoms). Those most vulnerable are children, whose lungs are still developing, and the elderly, who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's known cancer risk from outdoor air pollutants. Diesel engines also contribute to California's PM_{2.5} air quality problems. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects of TACs include cancer, birth defects, neurological damage, and death.

2.1.4 Diesel Exhaust

Most recently, the California Air Resources Board (CARB) identified DPM as a TAC. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (i.e., heavy-duty, light-duty), engine operating conditions (i.e., idle, accelerate, decelerate), fuel formulations (i.e., high/low sulfur fuel), and the year of the manufacture of the engine (USEPA 2002). Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs; due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

2.1.5 Ambient Air Quality

Ambient air quality at the Project Limits can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. CARB maintains more than 60 monitoring stations throughout California. The Roseville – North Sunrise Avenue (151 North Sunrise Avenue, Roseville) air quality monitoring station, located approximately three miles southeast of the Project Area, is the closest station to the site and monitors ambient concentrations of O₃, PM₁₀, and PM_{2.5}. O₃, PM₁₀ and PM_{2.5} are the pollutant species most potently affecting the Project region. Ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered *generally* representative of ambient concentrations in the development area. Table 2-2 summarizes the published data concerning O₃, PM₁₀, and PM_{2.5} since 2018 from the Roseville – North Sunrise Avenue monitoring station for each year that the monitoring data is provided.

Table 2-2. Summary of Ambient Air Quality Data			
Pollutant Scenario	2018	2019	2020
<i>O₃ – Roseville – North Sunrise Avenue</i>			
Max 1-hour concentration (ppm)	0.110	0.089	0.096
Max 8-hour concentration (ppm) (state/federal)	0.084 / 0.083	0.077 / 0.076	0.081 / 0.080
Number of days above 1-hour standard (state/federal)	4 / 0	0 / 0	1 / 0
Number of days above 8-hour standard (state/federal)	11 / 11	3 / 1	4 / 3
<i>PM₁₀ – Roseville – North Sunrise Avenue</i>			
Max 24-hour concentration (µg/m ³) (state/federal)	211.3 / 202.2	63.1 / 61.3	244.3 / 251.8
Annual Average (state/federal)	* / 22.8	15.4 / 15.1	27.7 / 27.2
Number of days above 24-hour standard (state/federal)	/ 2.0	/ 0.0	/ 5.3
<i>PM_{2.5} – Roseville – North Sunrise Avenue</i>			
Max 24-hour concentration (µg/m ³) (state/federal)	172.8 / 171.8	28.5 / 28.2	156.3 / 121.3
Annual Average (state/federal)	12.1 / 11.9	6.5 / 6.5	12.1 / 13.3
Number of days above federal 24-hour standard	17.3	0.0	19.7

Source: CARB 2021a

Notes: *Insufficient data available

µg/m³ = micrograms per cubic meter; ppm = parts per million

(2) A bold value signifies that this category is above the applicable standard.

The USEPA and CARB designate air basins or portions of air basins and counties as being in *attainment* or *nonattainment* for each of the criteria pollutants. Areas that do not meet the standards are classified as nonattainment areas. Acceptable exceedances of the maximum value vary for the National Ambient Air Quality Standards (NAAQS) from fourth highest concentration for the 8-hour O₃ standard to 99th percentile to the SO₂ standard. The NAAQS for O₃, PM₁₀, and PM_{2.5} are based on statistical calculations over one- to three-year periods, depending on the pollutant. The California Ambient Air Quality Standards (CAAQS) are not to be exceeded during a three-year period. The attainment status for the Placer County portion of the SVAB, which encompasses the Project Limits, is included in Table 2-3.

Pollutant	State Designation	Federal Designation
O ₃	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Unclassified
PM _{2.5}	Unclassified	Unclassified/Attainment
CO	Unclassified	Unclassified/Attainment
NO ₂	Attainment	Unclassified/Attainment
SO ₂	Attainment	Unclassified/Attainment

Source: CARB 2019

The determination of whether an area meets the state and federal standards is based on air quality monitoring data. Some areas are unclassified, which means there is insufficient monitoring data for determining attainment or nonattainment. Unclassified areas are typically treated as being in attainment. Because the attainment/nonattainment designation is pollutant-specific, an area may be classified as nonattainment for one pollutant and attainment for another. Similarly, because the state and federal standards differ, an area could be classified as attainment for the federal standards of a pollutant and as nonattainment for the state standards of the same pollutant. The region is designated as a nonattainment area for the federal O₃ standards and is also a nonattainment area for the state standards for O₃ and PM₁₀ (CARB 2019).

2.1.6 Sensitive Receptors

Sensitive receptors are defined as facilities or land uses that include members of the population who are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The nearest existing sensitive receptors to the Project are residences positioned adjacent to the northern and southern boundaries of the Project Limits (see Figure 1-1). These residences are generally separated from Pleasant Grove Boulevard by a six-foot masonry wall and 30-foot-wide vegetated buffer with sidewalks.

2.2 Regulatory Framework

2.2.1 Federal

2.2.2 Clean Air Act

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the USEPA to establish the NAAQS, with states retaining the option to adopt more stringent standards or to include other specific pollutants. On April 2, 2007, the Supreme Court found that carbon dioxide (CO₂) is an air pollutant covered by the CAA; however, no NAAQS have been established for CO₂.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those *sensitive receptors* most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The USEPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a nonattainment or attainment designation. Table 2-3 lists the federal attainment status of the Placer County portion of the SVAB for the criteria pollutants.

2.2.3 State

2.2.3.1 California Clean Air Act

The California Clean Air Act allows the state to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the CAAQS. CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

2.2.3.2 California State Implementation Plan

The federal CAA (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the NAAQS

revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The USEPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA.

State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the USEPA for approval and publication in the Federal Register. The 2017 Sacramento Regional 2008 8-Hour Ozone Attainment and Reasonable Further Progress Plan (including 2018 updates), the PM₁₀ Implementation/Maintenance Plan and Re-Designation Request (2010), and PM_{2.5} Implementation/Maintenance Plan and Re-designation Request for Sacramento PM_{2.5} Nonattainment Area (2013) constitute the current SIP for the Placer County portion of the SVAB. These air quality planning documents present comprehensive strategies to reduce the O₃ precursor pollutants (ROG and NO_x) as well as PM emissions from stationary, area, mobile, and indirect sources.

2.2.3.3 *Tanner Air Toxics Act & Air Toxics "Hot Spot" Information and Assessment Act*

CARB's Statewide comprehensive air toxics program was established in 1983 with Assembly Bill (AB) 1807, the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588, the Air Toxics *Hot Spots* Information and Assessment Act of 1987. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the *Hot Spots* Act was amended by Senate Bill (SB) 1731, which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

2.2.4 Local

2.2.4.1 *Placer County Air Pollution Control District*

The PCAPCD is designated by law to adopt and enforce regulations to achieve and maintain ambient air quality standards. The PCAPCD responsibilities include preparing plans for the attainment of ambient air quality standards, adopting and enforcing air pollution rules, issuing permits for and inspecting stationary air pollution sources, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing state and federal programs and regulations. The PCAPCD has also adopted various rules and regulations that are designed to reduce and control pollutant emissions from project's

construction and operational activities. The following provisions applicable to the Proposed Project are summarized as follows:

- **Rule 202 Visible Emissions:** A person shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three (3) in any one (1) hour which is: a.) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or b.) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in section (A) above.
- **Rule 205 Nuisance:** A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which causes injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause to have a natural tendency to cause injury or damage to businesses or property.
- **Rule 213 Transfer of Gasoline Transfer into Stationary Storage Containers:** The provisions of this rule shall apply to the transfer of gasoline into any stationary storage container.
- **Rule 214 Transfer of Gasoline into Vehicle Fuel Tanks:** The provisions of this rule shall apply to the transfer of gasoline from any stationary storage tank into any motor vehicle fuel tank.
- **Rule 218 Architectural Coating:** To limit the quantity of volatile organic compounds in architectural coating supplied, sold, offered for sale, applied, solicited for application, or manufactured for use within the District.
- **Rule 228 Fugitive Dust:** To reduce the amount of particulate matter entrained in the ambient air, or discharge into the ambient air, as a result of anthropogenic (manmade) fugitive dust sources by requiring actions to prevent, reduce, or mitigate fugitive dust emissions.
- **Rule 502 New Source Review:** The purpose of this rule is to provide for the review of new and modified stationary air pollution sources and to provide mechanisms, including emission offsets, by which authorities to construct for such sources may be granted without interfering with the attainment or maintenance of ambient air quality standards.

2.2.4.2 City of Roseville General Plan

The City of Roseville General Plan Air Quality and Climate Change Element addresses air quality-related issues within the city. The goals and policies of this Element of the General Plan are intended to improve air quality, address climate change, and encourage cooperation between jurisdictions involved in regional air quality improvement efforts. The following policies are applicable to the Proposed Project:

Policy AQ1.2 Work with the Placer County Air Pollution Control District to monitor air pollutants of concern on a continuous basis, and support Air District efforts to minimize emissions from stationary sources.

Policy AQ1.12 Develop transportation systems that reduce vehicle emissions by improving the desirability of walking, bicycling, and public transportation relative to vehicular travel.

Policy AQ1.13 Identify feasible strategies to reduce transportation emissions from new projects and existing development within the Planning Area.

2.3 Air Quality Emissions Impact Assessment

2.3.1 Threshold of Significance

The impact analysis provided below is based on the following California Environmental Quality Act (CEQA) Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to air quality if it would do any of the following:

- 1) Conflict with or obstruct implementation of any applicable air quality plan.
- 2) 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors).
- 3) Expose sensitive receptors to substantial pollutant concentrations.
- 4) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people).

By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. The significance criteria established by the applicable air quality management or air pollution control district (PCAPCD) may be relied upon to make the above determinations. To assist local jurisdictions in the evaluation of air quality impacts under CEQA, the PCAPCD has published a guidance document for the preparation of the air quality portions of environmental documents that includes thresholds of significance to be used in evaluating land use proposals. Thresholds of significance are based on a source's projected impacts and are a basis from which to apply mitigation measures. PCAPCD's CEQA thresholds have also been used to determine air quality impacts in this analysis. If a project's individual emissions exceed its identified significance thresholds, the Project would be cumulatively considerable. Projects that do not exceed significance thresholds would not be considered cumulative considerable.

The PCAPCD's established thresholds of significance for air quality for construction and operational activities of land use development projects are shown in Table 2-4.

Air Pollutant	Construction Activities	Operations
Reactive Organic Gases	82	55
Nitrogen Oxide	82	55
Carbon Monoxide	--	--
Sulfur Oxide	--	--
Coarse Particulate Matter	82	82
Fine Particulate Matter	--	--

2.3.2 Methodology

Air quality impacts were assessed in accordance with methodologies recommended by the PCAPCD. Project construction emissions were modeled using the Roadway Construction Emissions Model (RCEM), version 9.0.0. RCEM is a spreadsheet-based model that is able to estimate exhaust emissions from heavy-duty construction equipment, haul trucks, and worker commute trips as well as fugitive dust from the construction of a new roadway, road widening, roadway overpass, levee or pipeline projects.

The Proposed Project improvements are intended to address existing and future traffic deficiencies and improve circulation consistent with the City's Transportation System 2035 CIP. According to the Traffic Study prepared for the Project (Fehr & Peers 2022), the Proposed Project itself would not generate automobile trips; but would instead increase the capacity in order to improve traffic operations. This would affect traffic patterns in the city. Therefore, potential impacts of the Project from mobile-source air quality emissions during the post-construction operations is evaluated based upon AM and PM peak hour vehicle idling times as provided by Fehr & Peers (2022). Emissions generated from automobile idling in the Project Limits are estimated with the use of the 2021 version of the Emission FACTor model (EMFAC). EMFAC 2021 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to predict changes in future emissions from on-road mobile sources including cars, trucks, and buses in California. EMFAC 2021 includes the latest data on automobile fleets and travel activity within Placer County.

Projected operational emissions associated with proposed post-construction operations are compared to the existing baseline, which includes the current operations accommodated by the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard. This segment encompasses the following facilities:

- Pleasant Grove Boulevard/Woodcreek Oaks Boulevard intersection (currently 43 – 35 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Birkdale Drive-Retreat Way intersection (currently 79 – 268 seconds of delay per vehicle)

- Pleasant Grove Boulevard/Country Club Drive intersection (currently 10 – 20 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive intersection (currently 204 – >300 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Misty Wood Drive intersection (currently 37 - 278 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Foothills Boulevard intersection (currently 44 – 58 seconds of delay per vehicle)

In addition to identifying emissions associated with the overall post-construction operations, emissions generated by the expected seconds of delay (automobile idling) at each intersection are identified individually.

2.3.3 Impact Analysis

2.3.3.1 Project Construction-Generated Criteria Air Quality Emissions

Emissions associated with Project construction would be temporary and short-term but have the potential to represent a significant air quality impact. Three basic sources of short-term emissions will be generated through construction of the Proposed Project: operation of the construction vehicles (i.e., tractors, forklifts, pavers), the creation of fugitive dust during clearing and grading, and the use of asphalt or other oil-based substances during paving activities. Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust emissions and fugitive PM emissions that affect local air quality at various times during construction. Effects would be variable depending on the weather, soil conditions, the amount of activity taking place, and the nature of dust control efforts.

Construction-generated emissions associated the Proposed Project were calculated using the RCEM model. Attachment A provides more information regarding the construction assumptions, including construction equipment and duration, used in this analysis.

Predicted maximum daily construction-generated emissions for the Proposed Project are summarized in Table 2-5. Construction-generated emissions are short-term and of temporary duration, lasting only if construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the thresholds of significance.

Description	Pollutant (maximum pounds per day)		
	ROG	NO _x	PM ₁₀
Grubbing/Land Clearing	2.30	18.52	10.85
Grading/Excavation	2.60	34.11	11.46
Drainage/Utilities/Subgrade & Paving	2.96	41.20	11.81
<i>PCAPCD Potentially Significant Impact Threshold</i>	<i>82</i>	<i>82</i>	<i>82</i>
Exceed PCAPCD Threshold?	No	No	No

Source: RCEM version 9.0.0. Refer to Attachment A for Model Data Outputs.

Notes: Emission calculations account for the import/export of 1,000 cubic yards of soil and asphalt material daily during the grading/excavation phase and the import/export of 2,000 cubic yards of soil and asphalt material daily during the drainage/utilities/subgrade and paving phase.

As shown in Table 2-5, emissions generated during Project construction would not exceed the PCAPCD's thresholds of significance. Therefore, criteria pollutant emissions generated during Project construction would not 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.

2.3.3.2 Project Operations Criteria Air Quality Emissions

The Proposed Project improvements are intended to address existing and future traffic deficiencies and improve circulation consistent with the City's Transportation System 2035 CIP. According to the Traffic Study prepared for the Project (Fehr & Peers 2022), the Proposed Project itself would not generate automobile trips; but would instead increase the capacity in order to improve traffic operations. This would affect traffic patterns in the city. Therefore, potential impacts of the Project from mobile-source air quality emissions during the post-construction operations is evaluated based upon AM and PM peak hour vehicle idling times as provided by Fehr & Peers (2022). Emissions generated from automobile idling in the Project Limits are estimated with the use of EMFAC 2021.

Projected operational emissions associated with proposed post-construction operations are compared to current operations accommodated by the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard. Long-term operational emissions are identified in Table 2-6. In addition to identifying emissions associated with the overall post-construction operations, emissions generated by the expected seconds of delay (automobile idling) at each intersection (Pleasant Grove Boulevard/Woodcreek Oaks Boulevard intersection, Pleasant Grove Boulevard/Birkdale Drive-Retreat Way intersection, Pleasant Grove Boulevard/Country Club Drive intersection, Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive intersection, Pleasant Grove Boulevard/Misty Wood Drive intersection, and Pleasant Grove Boulevard/Foothills Boulevard intersection) are identified individually. The difference between emissions generated under existing conditions and those generated under the Project are identified in Table 2-6 and compared to the regional operational significance thresholds promulgated by the PCAPCD.

Table 2-6. Operational Criteria Air Pollutant Emissions for AM & PM Peak Periods (Maximum Pounds per Day)					
Location	Trip Volume	Delay per Vehicle (Seconds)	ROG	NO_x	PM₁₀
Existing Conditions (2022)					
Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection	6,543	AM Peak: 43 PM Peak: 35	0.010	0.155	0.000
<i>Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection</i>	5,516	AM Peak: 79 PM Peak: 268	0.039	0.599	0.000
<i>Pleasant Grove Boulevard/Country Club Drive Intersection</i>	6,036	AM Peak: 10 PM Peak: 20	0.001	0.018	0.000
<i>Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection</i>	6,025	AM Peak: 204 PM Peak: >300	0.060	0.922	0.001
<i>Pleasant Grove Boulevard/Misty Wood Drive Intersection</i>	6,166	AM Peak: 37 PM Peak: 278	0.040	0.619	0.001
<i>Pleasant Grove Boulevard/Foothills Boulevard Intersection</i>	11,255	AM Peak: 44 PM Peak: 58	0.022	0.346	0.000
Existing Conditions Total:			0.173	2.662	0.002
Proposed Project Conditions					
Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection	8,346	AM Peak: 37 PM Peak: 32	0.011	0.173	0.000
Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection	5,556	AM Peak: 26 PM Peak: 26	0.005	0.086	0.000
Pleasant Grove Boulevard/Country Club Drive Intersection	6,100	AM Peak: 8 PM Peak: 9	0.002	0.031	0.000
Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection	6,117	AM Peak: 36 PM Peak: 30	0.007	0.119	0.000
Pleasant Grove Boulevard/Misty Wood Drive Intersection	6,212	AM Peak: 32 PM Peak: 36	0.008	0.126	0.000
Pleasant Grove Boulevard/Foothills Boulevard Intersection	11,265	AM Peak: 43 PM Peak: 48	0.02	0.308	0.000
Proposed Project Conditions Total:			0.055	0.845	0.000

Source: EMFAC2021. Refer to Attachment A for Model Data Outputs.

As shown in Table 2-6, under the Proposed Project, the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard and associated

Project intersections would generate 0.055 pounds of ROG, 0.845 pounds of NO_x, and 0.000 pounds of PM₁₀ from idling automobiles during the combined AM and PM peak hours. This is a reduction of 0.118 pounds of ROG, 1.817 pounds of NO_x, and 0.002 pounds of PM₁₀ daily compared with existing conditions. Thus, the Project would result in a decrease of daily emissions compared with existing conditions. Project emissions would not exceed any PCAPCD thresholds for any criteria air pollutants during operation.

In order to present a more concise comparison of idling emissions during existing conditions and Proposed Project post-construction operations, Table 2-7 omits emissions generated at each individual Project intersection.

Table 2-7. Operational-Related Emissions Summary			
Activity	Pollutant (maximum pounds per day)		
	ROG	NO_x	PM₁₀
Existing Conditions (2022)			
Idling Emissions under Existing Conditions	0.173	2.662	0.002
Proposed Project Conditions			
Idling Emissions Under Proposed Project	0.055	0.845	0.000
PCAPCD Potentially Significant Impact Threshold	55	55	82
Exceed PCAPCD Threshold?	No	No	No

Source: EMFAC2021. Refer to Attachment A for Model Data Outputs.

As shown in Table 2-7, the Proposed Project would result in less emissions than existing conditions.

2.3.3.3 Project Consistency with Air Quality Planning

As part of its enforcement responsibilities, the USEPA requires each state with nonattainment areas to prepare and submit a SIP that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under state law, the California Clean Air Act requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the federal and state ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously described, the PCAPCD is the agency responsible for enforcing many federal and state air quality requirements and for establishing air quality rules and regulations. The PCAPCD attains and maintains air quality conditions in Placer County through a comprehensive program of planning, regulation, enforcement, technical innovation, and promotion of the understanding of air quality issues. As part of this effort, the PCAPCD has developed input to the SIP. The 2017 Sacramento Regional 2008 8-Hour Ozone Attainment and Reasonable Further Progress Plan (including 2018 updates), the PM₁₀ Implementation/Maintenance Plan and Re-Designation Request (2010), and PM_{2.5} Implementation/Maintenance Plan and Re-designation Request for Sacramento PM_{2.5} Nonattainment Area (2013)

constitute the current SIP for the Placer County portion of the SVAB and include the PCAPCD's plans and control measures for attaining air quality standards. These air quality attainment plans are a compilation of new and previously submitted plans, programs (e.g., monitoring, modeling, permitting), district rules, state regulations, and federal controls describing how the state will attain ambient air quality standards.

The SIP plans and control measures are based on information derived from projected growth in Placer County in order to project future emissions and then determine strategies and regulatory controls for the reduction of emissions. Growth projections are based on the general plans developed by Placer County and the incorporated cities in the county. As such, projects that propose development consistent with the growth anticipated by the respective general plan of the jurisdiction in which the proposed development is located would be consistent with the SIP. In the event that a project would propose a development that is less dense than that associated with the general plan, the project would likewise be consistent with the SIP. If a project, however, proposes a development that is denser than that assumed in the general plan, the project may be in conflict with the SIP and could therefore result in a significant impact on air quality.

Growth projections for Placer County in the Project area are based on the City of Roseville General Plan. As such, projects in the city that propose development consistent with the growth anticipated by the General Plan would be consistent with PCAPCD's air quality planning efforts. The Project does not include development of new housing or employment centers and would not induce population or employment growth. Rather, the Project seeks to address existing and future traffic deficiencies and improve circulation consistent with the City's Transportation System 2035 CIP. Therefore, the Project would not affect local plans for population growth and the Proposed Project would be considered consistent with the population, housing, and employment growth projections utilized in the preparation of PCAPCD air quality planning efforts. Furthermore, as described in detail above, the Project would not exceed the PCAPCD's short-term construction or long-term operational thresholds and in turn would not violate any air quality standards, and thus would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment. As shown in Table 2-7, the Proposed Project would result in less emissions than existing conditions.

The Project would not conflict with or obstruct implementation of the applicable air quality plan.

2.3.3.4 Exposure of Sensitive Receptors to Toxic Air Contaminants

As previously described, sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over age 65, children under age 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The nearest existing sensitive receptors to the Project are residences positioned adjacent to the northern and southern boundaries of the Project Limits (see Figure 1-1). These residences are generally separated from Pleasant Grove Boulevard by a six-foot masonry wall and 30-foot-wide vegetated buffer with sidewalks.

Construction-related activities associated with the Project would result in temporary, short-term emissions of DPM, ROG, NO_x, CO, PM₁₀ and PM_{2.5} from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing); soil and asphalt hauling truck traffic; paving; and other miscellaneous activities. The portion of the SVAB which encompasses the Project area is designated as a nonattainment area for federal O₃ and standards and is also a nonattainment area for the state standards for O₃ and PM₁₀ standards (CARB 2019). Thus, existing O₃ and PM₁₀ levels in the SVAB are at unhealthy levels during certain periods. However, as shown in Table 2-5, Project construction activities would not exceed the PCAPCD significance thresholds for emissions.

The health effects associated with O₃ are generally associated with reduced lung function. Because the Project would not involve construction activities that would result in O₃ precursor emissions (ROG or NO_x) in excess of the PCAPCD thresholds, the Project is not anticipated to substantially contribute to regional O₃ concentrations and the associated health impacts during construction.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. The Project would not involve construction activities that would result in CO emissions in excess of the PCAPCD thresholds. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

Particulate matter (PM₁₀ and PM_{2.5}) contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing. For construction activity, DPM is the primary TAC of concern. PM₁₀ exhaust is considered a surrogate for DPM as all diesel exhaust is considered to be DPM. As with O₃ and NO_x, the Project would not generate emissions of PM₁₀ that would exceed the PCAPCD's thresholds. Accordingly, the Project's DPM emissions are not expected to cause any increase in related regional health effects for these pollutants.

Operation of the Proposed Project would not result in the development of any substantial sources of air toxics. There are no stationary sources associated with the operations of the Project and as previously described, the Project would result in a decrease of daily emissions compared with existing conditions. Therefore, the Project would result in a beneficial impact in terms of the generation of air pollutant concentrations.

2.3.3.5 Carbon Monoxide Hot Spots

It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Under certain meteorological conditions, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Given the high traffic volume potential, areas of

high CO concentrations, or *hot spots*, are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. However, transport of this criteria pollutant is extremely limited, and CO disperses rapidly with distance from the source under normal meteorological conditions. Furthermore, vehicle emissions standards have become increasingly more stringent in the last 20 years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the Placer County portion of the SVAB is designated as in attainment. Detailed modeling of Project-specific CO *hot spots* is not necessary and thus this potential impact is addressed qualitatively.

A CO *hot spot* would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur. The analysis prepared for CO attainment in the South Coast Air Quality Management District's (SCAQMD) 1992 *Federal Attainment Plan for Carbon Monoxide* in Los Angeles County and a Modeling and Attainment Demonstration prepared by the SCAQMD as part of the 2003 Air Quality Management Plan can be used to demonstrate the potential for CO exceedances of these standards. The SCAQMD conducted a CO *hot spot* analysis as part of the 1992 CO Federal Attainment Plan at four busy intersections in Los Angeles County during the peak morning and afternoon time periods. The intersections evaluated included Long Beach Boulevard and Imperial Highway (Lynwood), Wilshire Boulevard and Veteran Avenue (Westwood), Sunset Boulevard and Highland Avenue (Hollywood), and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a traffic volume of approximately 100,000 vehicles per day. Despite this level of traffic, the CO analysis concluded that there was no violation of CO standards (SCAQMD 1992). In order to establish a more accurate record of baseline CO concentrations affecting the South Coast Air Basin, a CO *hot spot* analysis was conducted in 2003 at the same four busy intersections in Los Angeles at the peak morning and afternoon time periods. This *hot spot* analysis did not predict any violation of CO standards. The highest one-hour concentration was measured at 4.6 ppm at Wilshire Boulevard and Veteran Avenue and the highest eight-hour concentration was measured at 8.4 ppm at Long Beach Boulevard and Imperial Highway.

According to the Traffic Study prepared for the Project (Fear & Peers 2022), the Project Limits would not accommodate more than 100,000 vehicles daily. Furthermore, the Project would result in a decrease of daily emissions and reduction of automobile idling compared with existing conditions. Thus, there is no likelihood of the Project traffic exceeding CO values.

2.3.3.6 Odors

Typically, odors are regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory, and respiratory effects, nausea, vomiting, and headache).

With respect to odors, the human nose is the sole sensing device. The ability to detect odors varies considerably among the population and overall is quite subjective. Some individuals can smell minute

quantities of specific substances; others may not have the same sensitivity but may have sensitivities to odors of other substances. In addition, people may have different reactions to the same odor; in fact, an odor that is offensive to one person (e.g., from a fast-food restaurant) may be perfectly acceptable to another. It is also important to note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience. For instance, if a person describes an odor as flowery or sweet, then the person is describing the quality of the odor. Intensity refers to the strength of the odor. For example, a person may use the word *strong* to describe the intensity of an odor. Odor intensity depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases. As this occurs, the odor intensity weakens and eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant reaches a detection threshold. An odorant concentration below the detection threshold means that the concentration in the air is not detectable by the average human.

During construction, the Proposed Project presents the potential for generation of objectionable odors in the form of diesel exhaust in the immediate vicinity of the site. However, these emissions are short-term in nature and will rapidly dissipate and be diluted by the atmosphere downwind of the emission sources. Additionally, odors would be localized and generally confined to the construction area. Therefore, construction odors would not adversely affect a substantial number of people to odor emissions.

According to the CARB Air Quality and Land Use Handbook: A Community Health Perspective (CARB 2005), the sources of the most common operational odor complaints received by local air districts include facilities such as sewage treatment plants, landfills, recycling facilities, petroleum refineries, and livestock operations. The Project does not contain any of the land uses identified as typically associated with emissions of objectionable odors.

3.0 GREENHOUSE GAS EMISSIONS

3.1 Greenhouse Gas Setting

Certain gases in the earth's atmosphere, classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead trapped, resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth. Without the greenhouse effect, the earth would not be able to support life as we know it.

Prominent GHGs contributing to the greenhouse effect are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Fluorinated gases include chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride; however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of these GHGs in excess of natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the earth's climate, known as global climate change or global warming. It is *extremely likely* that more than half of the observed increase in global average surface temperature from 1951 to 2010 was caused by the anthropogenic increase in GHG concentrations and other anthropogenic factors together (Intergovernmental Panel on Climate Change [IPCC] 2014).

Table 3-1 describes the primary GHGs attributed to global climate change, including their physical properties, primary sources, and contributions to the greenhouse effect.

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. CH₄ traps over 25 times more heat per molecule than CO₂, and N₂O absorbs 298 times more heat per molecule than CO₂ (IPCC 2014). Often, estimates of GHG emissions are presented in carbon dioxide equivalents (CO₂e), which weight each gas by its global warming potential. Expressing GHG emissions in CO₂e takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO₂ were being emitted.

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of any particular GHG molecule is dependent on multiple variables and cannot be pinpointed, it is understood that more CO₂ is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms. Of the total annual human-caused CO₂

emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO₂ emissions remains stored in the atmosphere (IPCC 2013).

Table 3-1. Summary of Greenhouse Gases	
Greenhouse Gas	Description
CO ₂	Carbon dioxide is a colorless, odorless gas. CO ₂ is emitted in a number of ways, both naturally and through human activities. The largest source of CO ₂ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to CO ₂ emissions. The atmospheric lifetime of CO ₂ is variable because it is so readily exchanged in the atmosphere. ¹
CH ₄	Methane is a colorless, odorless gas and is the major component of natural gas, about 87 percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (intestinal fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of CH ₄ to the atmosphere. Natural sources of CH ₄ include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. The atmospheric lifetime of CH ₄ is about 12 years. ²
N ₂ O	Nitrous oxide is a clear, colorless gas with a slightly sweet odor. Nitrous oxide is produced by both natural and human-related sources. Primary human-related sources of N ₂ O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. N ₂ O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N ₂ O is approximately 120 years. ³

Sources: (1) USEPA 2016a; (2) USEPA 2016b; (3) USEPA 2016c

The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; it is sufficient to say the quantity is enormous, and no single project alone would measurably contribute to a noticeable incremental change in the global average temperature or to global, local, or microclimates. From the standpoint of CEQA, GHG impacts to global climate change are inherently cumulative.

3.1.1 Sources of Greenhouse Gas Emissions

In 2021, CARB released the 2021 edition of the California GHG inventory covering calendar year 2019 emissions. In 2019, California emitted 418.2 million gross metric tons of CO₂e including from imported electricity. Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2019, accounting for approximately 40 percent of total GHG emissions in the State. When emissions from extracting, refining, and moving transportation fuels in California are included, transportation is responsible for over 50 percent of statewide emissions in 2019. Continuing the downward trend from 2018, transportation emissions decreased 3.5 million metric tons of CO₂e in 2019, only being outpaced by electricity, which reduced emissions by 4.3 million metric tons of CO₂e in 2019.

Emissions from the electricity sector account for 14 percent of the inventory and have shown a substantial decrease in 2019 due to increases in renewables. California's industrial sector accounts for the second largest source of the State's GHG emissions in 2019, accounting for 21 percent (CARB 2021b).

3.2 Regulatory Framework

3.2.1 State

3.2.1.1 Executive Order S-3-05

Executive Order (EO) S-3-05, signed by Governor Arnold Schwarzenegger in 2005, proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra Nevada snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the EO established total GHG emission targets for the state. Specifically, emissions are to be reduced to the 2000 level by 2010, the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

3.2.1.2 Assembly Bill 32 Climate Change Scoping Plan and Updates

In 2006, the California legislature passed Assembly Bill (AB) 32 (Health and Safety Code § 38500 et seq., or AB 32), also known as the Global Warming Solutions Act. AB 32 required CARB to design and implement feasible and cost-effective emission limits, regulations, and other measures, such that statewide GHG emissions are reduced to 1990 levels by 2020 (representing a 25 percent reduction in emissions). Pursuant to AB 32, CARB adopted a Scoping Plan in December 2008, which outlined measures to meet the 2020 GHG reduction goals. California exceeded the target of reducing GHG emissions to 1990 levels by the year 2017.

The Scoping Plan is required by AB 32 to be updated at least every five years. The latest update, the 2017 Scoping Plan Update, addresses the 2030 target established by Senate Bill (SB) 32 as discussed below and establishes a proposed framework of action for California to meet a 40 percent reduction in GHG emissions by 2030 compared to 1990 levels. The key programs that the Scoping Plan Update builds on include increasing the use of renewable energy in the State, the Cap-and-Trade Regulation, the Low Carbon Fuel Standard, and reduction of methane emissions from agricultural and other wastes.

3.2.1.3 Senate Bill 32 and Assembly Bill 197 of 2016

In August 2016, Governor Edmund "Jerry" Brown signed SB 32 and AB 197, which serve to extend California's GHG reduction programs beyond 2020. SB 32 amended the Health and Safety Code to include § 38566, which contains language to authorize CARB to achieve a statewide GHG emission reduction of at least 40 percent below 1990 levels by no later than December 31, 2030.

3.2.1.4 Senate Bill X1-2 of 2011, Senate Bill 350 of 2015, and Senate Bill 100 of 2018

In 2018, SB 100 was signed codifying a goal of 60 percent renewable procurement by 2030 and 100 percent by 2045 Renewables Portfolio Standard.

3.2.2 Local

3.2.2.1 Placer County Air Pollution Control District

In October of 2016, the PCAPCD adopted GHG emission thresholds to assist the district in attaining the GHG reduction goals established by AB 32 and SB 32. The updated thresholds adopted bright-line numeric threshold emission level of 1,100 metric tons of CO₂e per year for operations of a land use project and 10,000 metric tons of CO₂e per year for construction. Any project that falls below that would be found to have a less than significant impact on GHG emissions, and, thus, would not conflict with any state or regional GHG emission reduction goals. Projects that would result in emissions above the threshold would not necessarily result in substantial impacts if certain efficiency matrices are met. The efficiency matrix is calculated on a per capita or square-foot basis.

3.2.2.2 City of Roseville General Plan

The City of Roseville General Plan Air Quality and Climate Change Element addresses climate change-related issues within the city. The goals and policies of this Element of the General Plan are intended to improve air quality, address climate change, and encourage cooperation between jurisdictions involved in regional air quality improvement efforts. The following policies are applicable to the Proposed Project:

- Policy AQ1.2 Work with the Placer County Air Pollution Control District to monitor air pollutants of concern on a continuous basis, and support Air District efforts to minimize emissions from stationary sources.
- Policy AQ1.12 Develop transportation systems that reduce vehicle emissions by improving the desirability of walking, bicycling, and public transportation relative to vehicular travel.
- Policy AQ1.13 Identify feasible strategies to reduce transportation emissions from new projects and existing development within the Planning Area.
- Policy AQ1.16 Implement land use policies that maintain and improve air quality and expand opportunities for transit-oriented development, which allows residents to significantly reduce vehicular transportation and associated air pollutant emissions.
- Policy AQ1.17 Conserve energy and reduce air pollutant emissions by encouraging energy efficient building designs and transportation systems and promoting energy efficiency retrofits of existing structures.

3.2.3 Thresholds of Significance

The impact analysis provided below is based on the following CEQA Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to GHG emissions if it would:

- 1) Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

- 2) Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

The Appendix G thresholds for GHG emissions do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA. With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or other performance-based standards." (14 California Code of Regulations [CCR] 15064.4(b)). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently consider the project's incremental contribution to climate change." (14 CCR 15064.4(c)). Section 15064.4(b) provides that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment:

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)).

In addition, Section 15064.7(c) of the CEQA Guidelines specifies that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7(c)). The CEQA Guidelines also clarify that the effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see CEQA Guidelines Section 15130). As a note, the CEQA Guidelines were amended in response to Senate Bill 97. In particular, the CEQA Guidelines were amended to specify that compliance with a GHG emissions reduction plan renders a cumulative impact insignificant.

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or

maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of greenhouse gas emissions." Put another way, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of less than significant for GHG emissions if a project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions.

In *Center for Biological Diversity v. Department of Fish and Wildlife* (2015) 62 Cal. 4th 2014, 213, 221, 227, following its review of various potential GHG thresholds proposed in an academic study [Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Env'tl. L. J. 203], the California Supreme Court identified the use of numeric bright-line thresholds as a potential pathway for compliance with CEQA GHG requirements. The study found numeric bright line thresholds designed to determine when small projects were so small as to not cause a cumulatively considerable impact on global climate change was consistent with CEQA. Specifically, Public Resources Code section 21003(f) provides it is a policy of the state that "[a]ll persons and public agencies involved in the environmental review process be responsible for carrying out the process in the most efficient, expeditious manner in order to conserve the available financial, governmental, physical and social resources with the objective that those resources may be better applied toward the mitigation of actual significant effects on the environment." The Supreme Court-reviewed study noted, "[s]ubjecting the smallest projects to the full panoply of CEQA requirements, even though the public benefit would be minimal, would not be consistent with implementing the statute in the most efficient, expeditious manner. Nor would it be consistent with applying lead agencies' scarce resources toward mitigating actual significant climate change impacts." (Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Env'tl. L. J. 203, 221, 227.)

The significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(2) by considering whether the Project complies with applicable plans, policies, regulations, and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. On October 13, 2016, the PCAPCD adopted the bright-line numeric threshold of 1,100 metric tons of CO₂e per year for operations of land use projects and 10,000 metric tons of CO₂e per year for construction. For the purpose of this evaluation, the Project is compared to the PCAPCD construction-related and operational thresholds.

3.3 Methodology

GHG impacts were assessed in accordance with methodologies recommended by the PCAPCD. Project construction GHG emissions were modeled using RCEM, version 9.0.0. The Proposed Project improvements are intended to address existing and future traffic deficiencies and improve circulation consistent with the City's Transportation System 2035 CIP. According to the Traffic Study prepared for the Project (Fehr & Peers 2022), the Proposed Project itself would not generate automobile trips; but would instead increase the capacity in order to improve traffic operations. This would affect traffic patterns in the city. Therefore, potential impacts of the Project from mobile-source GHG emissions during the post-construction operations is evaluated based upon AM and PM peak hour vehicle idling times as provided

by Fehr & Peers (2022). GHG emissions generated from automobile idling in the Project Limits are estimated with the use of EMFAC 2021.

Projected operational emissions associated with proposed post-construction operations are compared to the existing baseline, which includes the current operations accommodated by the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard. This segment encompasses the following facilities:

- Pleasant Grove Boulevard/Woodcreek Oaks Boulevard intersection (currently 43 – 35 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Birkdale Drive-Retreat Way intersection (currently 79 – 268 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Country Club Drive intersection (currently 10 – 20 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive intersection (currently 204 – >300 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Misty Wood Drive intersection (currently 37 - 278 seconds of delay per vehicle)
- Pleasant Grove Boulevard/Foothills Boulevard intersection (currently 44 – 58 seconds of delay per vehicle)

In addition to identifying GHG emissions associated with the overall post-construction operations, emissions generated by the expected seconds of delay (automobile idling) at each intersection are identified individually.

3.3.1 Impact Analysis

3.3.1.1 Project Construction-Generated Greenhouse Gas Emissions

Construction-related activities that would generate GHG emissions include on- and off-road equipment traffic. Table 3-2 illustrates the specific construction generated GHG emissions that would result from construction of the Project. Once construction is complete, the generation of these GHG emissions would cease.

Table 3-2. Construction-Related Greenhouse Gas Emissions	
Description	CO₂e Emissions (Metric Tons/Year)
Grubbing/Land Clearing	102
Grading/Excavation	230
Drainage/Utilities/Subgrade & Paving	535
Total Combined Emissions	867
<i>PCAPCD Potentially Significant Impact Threshold</i>	<i>10,000 metric tons annually</i>
Exceed PCAPCD Threshold?	No

Source: RCEM version 9.0.0. Refer to Attachment B for Model Data Outputs.

Notes: Emission calculations account for the import/export of 1,000 cubic yards of soil and asphalt material daily during the grading/excavation phase and the import/export of 2,000 cubic yards of soil and asphalt material daily during the drainage/utilities/subgrade and paving phase.

As shown in Table 3-2, Project construction would result in the generation of approximately 867 metric tons of CO₂e over the course of construction, which is below the PCAPCD significance threshold. Once construction is complete, the generation of these GHG emissions would cease.

3.3.1.2 Project Operational Greenhouse Gas Emissions

The Proposed Project improvements are intended to address existing and future traffic deficiencies and improve circulation consistent with the City's Transportation System 2035 CIP. According to the Traffic Study prepared for the Project (Fehr & Peers 2022), the Proposed Project itself would not generate automobile trips; but would instead increase the capacity in order to improve traffic operations. This would affect traffic patterns in the city. Therefore, potential impacts of the Project from mobile-source GHG emissions during the post-construction operations is evaluated based upon AM and PM peak hour vehicle idling times as provided by Fehr & Peers (2022). GHG emissions generated from automobile idling in the Project Limits are estimated with the use of EMFAC 2021.

Projected operational emissions associated with proposed post-construction operations are compared to current operations accommodated by the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard. Long-term operational GHG emissions are identified in Table 3-3. In addition to identifying GHG emissions associated with the overall post-construction operations, GHG emissions generated by the expected seconds of delay (automobile idling) at each intersection (Pleasant Grove Boulevard/Woodcreek Oaks Boulevard intersection, Pleasant Grove Boulevard/Birkdale Drive-Retreat Way intersection, Pleasant Grove Boulevard/Country Club Drive intersection, Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive intersection, Pleasant Grove Boulevard/Misty Wood Drive intersection, and Pleasant Grove Boulevard/Foothills Boulevard intersection) are identified individually. The difference between GHG emissions generated under existing conditions and those generated under the Project are identified in Table 3-3 and compared to the operational significance thresholds promulgated by the PCAPCD.

Table 3-3. Operational GHG Emissions for AM & PM Peak Periods (Metric Tons Annually)			
Time	Trip Volume	Delay per Vehicle (sec)	CO_{2e} Emissions
Existing Conditions (2022)			
AM & PM Peak Periods	6,543	AM Peak: 43 PM Peak: 35	6
<i>Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection</i>	5,516	AM Peak: 79 PM Peak: 268	22
<i>Pleasant Grove Boulevard/Country Club Drive Intersection</i>	6,036	AM Peak: 10 PM Peak: 20	1
<i>Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection</i>	6,025	AM Peak: 204 PM Peak: >300	34
<i>Pleasant Grove Boulevard/Misty Wood Drive Intersection</i>	6,166	AM Peak: 37 PM Peak: 278	23
<i>Pleasant Grove Boulevard/Foothills Boulevard Intersection</i>	11,255	AM Peak: 44 PM Peak: 58	13
Existing Conditions Total			99
Proposed Project Conditions			
Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection	8,346	AM Peak: 37 PM Peak: 32	7
Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection	5,556	AM Peak: 26 PM Peak: 26	3
Pleasant Grove Boulevard/Country Club Drive Intersection	6,100	AM Peak: 8 PM Peak: 9	1
Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection	6,117	AM Peak: 36 PM Peak: 30	4
Pleasant Grove Boulevard/Misty Wood Drive Intersection	6,212	AM Peak: 32 PM Peak: 36	5
Pleasant Grove Boulevard/Foothills Boulevard Intersection	11,265	AM Peak: 43 PM Peak: 48	12
Proposed Project Conditions Total:			32

Source: EMFAC2021. Refer to Attachment B for Model Data Outputs.

As shown in Table 3-3, under the Proposed Project, the segment of Pleasant Grove Boulevard beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard and associated Project intersections would generate 32 metric tons of CO_{2e} annually, as a result of idling automobiles during the combined AM and PM peak hours. This is a reduction of 67 metric tons annually compared with existing conditions. Thus, the Project would result in a decrease of annual GHG emissions compared with existing conditions. Project emissions would not exceed the PCAPCD numeric GHG threshold.

In order to present a more concise comparison of idling GHG emissions during existing conditions and Proposed Project post-construction operations, Table 3-4 omits emissions generated at each individual Project intersection.

Table 3-4. Operational-Related GHG Emissions Summary	
Activity	CO₂e (maximum pounds per day)
Existing Conditions (2022)	
<i>Idling Emissions under Existing Conditions</i>	99
Proposed Project Conditions	
<i>Idling Emissions Under Proposed Project</i>	32
<i>PCAPCD Potentially Significant Impact Threshold</i>	<i>1,100 metric tons annually</i>
Exceed PCAPCD Threshold?	No

Source: EMFAC2021. Refer to Attachment A for Model Data Outputs.

As shown in Table 3-4, the Proposed Project would result in less emissions than existing conditions.

3.3.1.3 Conflict with any Applicable Plan, Policy, or Regulation of an Agency Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

The City does not currently have an adopted plan for the purpose of reducing GHG emissions. However, as previously described, the State of California promulgates several mandates and goals to reduce statewide GHG emissions, including the goal to reduce statewide GHG emissions to 40 percent below 1990 levels by the year 2030 (SB 32). As previously shown, the Proposed Project would result in less emissions than existing conditions. Thus, the Project is consistent with statewide GHG-reducing goals.

4.0 REFERENCES

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LIST OF ATTACHMENTS

Attachment A – Emissions Modeling Output Files – Criteria Air Pollutants

Attachment B – Emissions Modeling Output Files – Greenhouse Gas Emissions

ATTACHMENT A

Emissions Modeling Output Files – Criteria Air Pollutants

**ROADWAY CONSTRUCTION EMISSIONS MODEL
OUTPUTS**

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Pleasant Grove Boulevard Widening Project														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.30	19.90	18.52	10.85	0.85	10.00	2.84	0.76	2.08	0.05	5,059.70	1.49	0.07	5,118.21
Grading/Excavation	2.60	30.25	34.11	11.46	1.46	10.00	3.20	1.12	2.08	0.11	11,169.77	1.51	0.97	11,497.61
Drainage/Utilities/Sub-Grade	1.58	16.47	28.40	11.13	1.13	10.00	2.83	0.75	2.08	0.11	11,498.35	0.57	1.39	11,926.43
Paving	1.38	17.98	12.80	0.68	0.68	0.00	0.59	0.59	0.00	0.03	2,929.89	0.76	0.05	2,965.06
Maximum (pounds/day)	2.95	34.45	41.20	11.81	1.81	10.00	3.42	1.34	2.08	0.14	14,428.24	1.51	1.44	14,891.49
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	955.54

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 10
 Total Project Area (acres) -> 21
 Maximum Area Disturbed/Day (acres) -> 1
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	1,000	0	1,500	0	920	40
Drainage/Utilities/Sub-Grade	1,000	500	1,500	750	680	40
Paving	0	500	0	0	520	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Pleasant Grove Boulevard Widening Project														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.05	0.44	0.41	0.24	0.02	0.22	0.06	0.02	0.05	0.00	111.31	0.03	0.00	102.15
Grading/Excavation	0.06	0.67	0.75	0.25	0.03	0.22	0.07	0.02	0.05	0.00	245.73	0.03	0.02	229.47
Drainage/Utilities/Sub-Grade	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.02	0.06	476.06
Paving	0.03	0.40	0.28	0.01	0.01	0.00	0.01	0.01	0.00	0.00	64.46	0.02	0.00	59.18
Maximum (tons/phase)	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.03	0.06	476.06
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	866.86

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

EMFAC2021 MODEL OUTPUTS

Table A-1: Composite Emissions Factors - Placer County (Grams per Second)

Reactive Organic Gas	Oxides of Nitrogen	Coarse Particulate Matter
0.0000176	0.0002710	0.0000003

Source: California Air Resources Board. 2020. 2021 version of the Emission Factor model (EMFAC2021).

Existing Conditions

Table B-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	3,801	43	163,443	0.0101	0.1551	0.0002
PM Peak Period	2,742	35	95,970			
AM & PM Peak Periods	6,543		259,413			

Table B-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,513	79	198,527	0.0390	0.5999	0.0006
PM Peak Period	3,003	268	804,804			
AM & PM Peak Periods	5,516		1,003,331			

Table B-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,797	10	27,970	0.0012	0.0187	0.0000
PM Peak Period	3,239	20	3,259			
AM & PM Peak Periods	6,036		31,229			

Table B-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,759	204	562,836	0.0600	0.9223	0.0009
PM Peak Period	3,266	300	979,800			
AM & PM Peak Periods	6,025		1,542,636			

Table B-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,815	37	104,155	0.0403	0.6192	0.0006
PM Peak Period	3,351	278	931,578			
AM & PM Peak Periods	6,166		1,035,733			

Table B-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	5,054	44	222,376	0.0226	0.3469	0.0004
PM Peak Period	6,171	58	357,918			
AM & PM Peak Periods	11,225		580,294			

Table B-7: Total Emissions - Existing Conditions

Pollutants (Pounds per Day)		
ROG	NOX	PM10
0.1731	2.6621	0.0027

Proposed Project Conditions

Table C-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	4,540	37	167,980	0.0113	0.1732	0.0002
PM Peak Period	3,806	32	121,792			
AM & PM Peak Periods	8,346		289,772			

Pleasant Grove Boulevard Widening Project Idling Emissions

Table C-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,541	26	66,066	0.0056	0.0864	0.0001
PM Peak Period	3,015	26	78,390			
AM & PM Peak Periods	5,556		144,456			

Table C-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,830	8	22,640	0.0020	0.0311	0.0000
PM Peak Period	3,270	9	29,430			
AM & PM Peak Periods	6,100		52,070			

Table C-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,804	36	100,944	0.0078	0.1198	0.0001
PM Peak Period	3,313	30	99,390			
AM & PM Peak Periods	6,117		200,334			

Table C-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,834	32	90,688	0.0083	0.1269	0.0001
PM Peak Period	3,378	36	121,608			
AM & PM Peak Periods	6,212		212,296			

Table C-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	5,057	43	217,451	0.0200	0.3082	0.0003
PM Peak Period	6,208	48	297,984			
AM & PM Peak Periods	11,265		515,435			

Table C-7: Total Emissions - Proposed Project Conditions

Pollutants		
ROG	NOX	PM10
0.0550	0.8456	0.0009

Emissions Modeling Output Files – Greenhouse Gas Emissions

**ROADWAY CONSTRUCTION EMISSIONS MODEL
OUTPUTS**

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Pleasant Grove Boulevard Widening Project														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.30	19.90	18.52	10.85	0.85	10.00	2.84	0.76	2.08	0.05	5,059.70	1.49	0.07	5,118.21
Grading/Excavation	2.60	30.25	34.11	11.46	1.46	10.00	3.20	1.12	2.08	0.11	11,169.77	1.51	0.97	11,497.61
Drainage/Utilities/Sub-Grade	1.58	16.47	28.40	11.13	1.13	10.00	2.83	0.75	2.08	0.11	11,498.35	0.57	1.39	11,926.43
Paving	1.38	17.98	12.80	0.68	0.68	0.00	0.59	0.59	0.00	0.03	2,929.89	0.76	0.05	2,965.06
Maximum (pounds/day)	2.95	34.45	41.20	11.81	1.81	10.00	3.42	1.34	2.08	0.14	14,428.24	1.51	1.44	14,891.49
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	955.54

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 10
 Total Project Area (acres) -> 21
 Maximum Area Disturbed/Day (acres) -> 1
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	1,000	0	1,500	0	920	40
Drainage/Utilities/Sub-Grade	1,000	500	1,500	750	680	40
Paving	0	500	0	0	520	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Pleasant Grove Boulevard Widening Project														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.05	0.44	0.41	0.24	0.02	0.22	0.06	0.02	0.05	0.00	111.31	0.03	0.00	102.15
Grading/Excavation	0.06	0.67	0.75	0.25	0.03	0.22	0.07	0.02	0.05	0.00	245.73	0.03	0.02	229.47
Drainage/Utilities/Sub-Grade	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.02	0.06	476.06
Paving	0.03	0.40	0.28	0.01	0.01	0.00	0.01	0.01	0.00	0.00	64.46	0.02	0.00	59.18
Maximum (tons/phase)	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.03	0.06	476.06
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	866.86

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

EMFAC2021 MODEL OUTPUTS

Table A-1: Composite Emissions Factors - Placer County (Grams per Second)

Carbon Dioxide	Methane	Nitrous Oxide
0.0569433	0.0000466	0.0000095

Source: California Air Resources Board. 2020. 2021 version of the Emission Factor model (EMFAC2021).

Existing Conditions

Table B-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	3,801	43	163,443	5.3917	0.0044	0.0009	5.78
PM Peak Period	2,742	35	95,970				
AM & PM Peak Periods	6,543		259,413				

Table B-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,513	79	198,527	20.8535	0.0171	0.0035	22.35
PM Peak Period	3,003	268	804,804				
AM & PM Peak Periods	5,516		1,003,331				

Table B-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,797	10	27,970	0.6491	0.0005	0.0001	0.70
PM Peak Period	3,239	20	3,259				
AM & PM Peak Periods	6,036		31,229				

Table B-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,759	204	562,836	32.0626	0.0263	0.0053	34.37
PM Peak Period	3,266	300	979,800				
AM & PM Peak Periods	6,025		1,542,636				

Table B-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,815	37	104,155	21.5270	0.0176	0.0036	23.08
PM Peak Period	3,351	278	931,578				
AM & PM Peak Periods	6,166		1,035,733				

Table B-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	5,054	44	222,376	12.0610	0.0099	0.0020	12.93
PM Peak Period	6,171	58	357,918				
AM & PM Peak Periods	11,225		580,294				

Table B-7: Total Emissions - Existing Conditions

Greenhouse Gases (Metric Tons per Year)			
CO2	CH4	N2O	CO2e
92.5450	0.0758	0.0154	99.20

Proposed Project Conditions

Table C-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	4,540	37	167,980	6.0227	0.0049	0.0010	6.46
PM Peak Period	3,806	32	121,792				
AM & PM Peak Periods	8,346		289,772				

Pleasant Grove Boulevard Widening Project Idling Greenhouse Gas Emissions

Table C-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,541	26	66,066	3.0024	0.0025	0.0005	3.22
PM Peak Period	3,015	26	78,390				
AM & PM Peak Periods	5,556		144,456				

Table C-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,830	8	22,640	1.0822	0.0009	0.0002	1.16
PM Peak Period	3,270	9	29,430				
AM & PM Peak Periods	6,100		52,070				

Table C-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,804	36	100,944	4.1638	0.0034	0.0007	4.46
PM Peak Period	3,313	30	99,390				
AM & PM Peak Periods	6,117		200,334				

Table C-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,834	32	90,688	4.4124	0.0036	0.0007	4.73
PM Peak Period	3,378	36	121,608				
AM & PM Peak Periods	6,212		212,296				

Table C-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	5,057	43	217,451	10.7130	0.0088	0.0018	11.48
PM Peak Period	6,208	48	297,984				
AM & PM Peak Periods	11,265		515,435				

Pleasant Grove Boulevard Widening Project Idling Greenhouse Gas Emissions

Table C-7: Total Emissions - Proposed Project Conditions

Greenhouse Gases (Metric Tons per Year)			
CO2	CH4	N2O	CO2e
29.3966	0.0241	0.0049	31.51

APPENDIX B

Air Quality

B-1: Air Quality and Greenhouse Gas Emissions Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022,)

B-2: Air Quality Construction Emissions Model Outputs

B-3: Greenhouse Gas Construction Emissions Model Outputs

**ROADWAY CONSTRUCTION EMISSIONS MODEL
OUTPUTS**

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Pleasant Grove Boulevard Widening Project													Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)						
Grubbing/Land Clearing	2.30	19.90	18.52	10.85	0.85	10.00	2.84	0.76	2.08	0.05	5,059.70	1.49	0.07	5,118.21									
Grading/Excavation	2.60	30.25	34.11	11.46	1.46	10.00	3.20	1.12	2.08	0.11	11,169.77	1.51	0.97	11,497.61									
Drainage/Utilities/Sub-Grade	1.58	16.47	28.40	11.13	1.13	10.00	2.83	0.75	2.08	0.11	11,498.35	0.57	1.39	11,926.43									
Paving	1.38	17.98	12.80	0.68	0.68	0.00	0.59	0.59	0.00	0.03	2,929.89	0.76	0.05	2,965.06									
Maximum (pounds/day)	2.95	34.45	41.20	11.81	1.81	10.00	3.42	1.34	2.08	0.14	14,428.24	1.51	1.44	14,891.49									
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	955.54									

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 10
 Total Project Area (acres) -> 21
 Maximum Area Disturbed/Day (acres) -> 1
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	1,000	0	1,500	0	920	40
Drainage/Utilities/Sub-Grade	1,000	500	1,500	750	680	40
Paving	0	500	0	0	520	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Pleasant Grove Boulevard Widening Project													Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)						
Grubbing/Land Clearing	0.05	0.44	0.41	0.24	0.02	0.22	0.06	0.02	0.05	0.00	111.31	0.03	0.00	102.15									
Grading/Excavation	0.06	0.67	0.75	0.25	0.03	0.22	0.07	0.02	0.05	0.00	245.73	0.03	0.02	229.47									
Drainage/Utilities/Sub-Grade	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.02	0.06	476.06									
Paving	0.03	0.40	0.28	0.01	0.01	0.00	0.01	0.01	0.00	0.00	64.46	0.02	0.00	59.18									
Maximum (tons/phase)	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.03	0.06	476.06									
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	866.86									

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

EMFAC2021 MODEL OUTPUTS

Table A-1: Composite Emissions Factors - Placer County (Grams per Second)

Reactive Organic Gas	Oxides of Nitrogen	Coarse Particulate Matter
0.0000176	0.0002710	0.0000003

Source: California Air Resources Board. 2020. 2021 version of the Emission Factor model (EMFAC2021).

Existing Conditions

Table B-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	3,801	43	163,443	0.0101	0.1551	0.0002
PM Peak Period	2,742	35	95,970			
AM & PM Peak Periods	6,543		259,413			

Table B-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,513	79	198,527	0.0390	0.5999	0.0006
PM Peak Period	3,003	268	804,804			
AM & PM Peak Periods	5,516		1,003,331			

Table B-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,797	10	27,970	0.0012	0.0187	0.0000
PM Peak Period	3,239	20	3,259			
AM & PM Peak Periods	6,036		31,229			

Table B-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,759	204	562,836	0.0600	0.9223	0.0009
PM Peak Period	3,266	300	979,800			
AM & PM Peak Periods	6,025		1,542,636			

Table B-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	2,815	37	104,155	0.0403	0.6192	0.0006
PM Peak Period	3,351	278	931,578			
AM & PM Peak Periods	6,166		1,035,733			

Table B-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Pollutants (Pounds per Day)		
				ROG	NOX	PM10
AM Peak Period	5,054	44	222,376	0.0226	0.3469	0.0004
PM Peak Period	6,171	58	357,918			
AM & PM Peak Periods	11,225		580,294			

Table B-7: Total Emissions - Existing Conditions

Pollutants (Pounds per Day)		
ROG	NOX	PM10
0.1731	2.6621	0.0027

Proposed Project Conditions

Table C-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	4,540	37	167,980	0.0113	0.1732	0.0002
PM Peak Period	3,806	32	121,792			
AM & PM Peak Periods	8,346		289,772			

Pleasant Grove Boulevard Widening Project Idling Emissions

Table C-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,541	26	66,066	0.0056	0.0864	0.0001
PM Peak Period	3,015	26	78,390			
AM & PM Peak Periods	5,556		144,456			

Table C-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,830	8	22,640	0.0020	0.0311	0.0000
PM Peak Period	3,270	9	29,430			
AM & PM Peak Periods	6,100		52,070			

Table C-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,804	36	100,944	0.0078	0.1198	0.0001
PM Peak Period	3,313	30	99,390			
AM & PM Peak Periods	6,117		200,334			

Table C-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	2,834	32	90,688	0.0083	0.1269	0.0001
PM Peak Period	3,378	36	121,608			
AM & PM Peak Periods	6,212		212,296			

Table C-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle	Total Seconds	Pollutants		
				ROG	NOX	PM10
AM Peak Period	5,057	43	217,451	0.0200	0.3082	0.0003
PM Peak Period	6,208	48	297,984			
AM & PM Peak Periods	11,265		515,435			

Table C-7: Total Emissions - Proposed Project Conditions

Pollutants		
ROG	NOX	PM10
0.0550	0.8456	0.0009

APPENDIX B

Air Quality

B-1: Air Quality and Greenhouse Gas Emissions Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022,)

B-2: Air Quality Construction Emissions Model Outputs

B-3: Greenhouse Gas Construction Emissions Model Outputs

**ROADWAY CONSTRUCTION EMISSIONS MODEL
OUTPUTS**

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Pleasant Grove Boulevard Widening Project													Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)						
Grubbing/Land Clearing	2.30	19.90	18.52	10.85	0.85	10.00	2.84	0.76	2.08	0.05	5,059.70	1.49	0.07	5,118.21									
Grading/Excavation	2.60	30.25	34.11	11.46	1.46	10.00	3.20	1.12	2.08	0.11	11,169.77	1.51	0.97	11,497.61									
Drainage/Utilities/Sub-Grade	1.58	16.47	28.40	11.13	1.13	10.00	2.83	0.75	2.08	0.11	11,498.35	0.57	1.39	11,926.43									
Paving	1.38	17.98	12.80	0.68	0.68	0.00	0.59	0.59	0.00	0.03	2,929.89	0.76	0.05	2,965.06									
Maximum (pounds/day)	2.95	34.45	41.20	11.81	1.81	10.00	3.42	1.34	2.08	0.14	14,428.24	1.51	1.44	14,891.49									
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	955.54									

Notes:
 Project Start Year -> 2023
 Project Length (months) -> 10
 Total Project Area (acres) -> 21
 Maximum Area Disturbed/Day (acres) -> 1
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	1,000	0	1,500	0	920	40
Drainage/Utilities/Sub-Grade	1,000	500	1,500	750	680	40
Paving	0	500	0	0	520	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Pleasant Grove Boulevard Widening Project													Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)						
Grubbing/Land Clearing	0.05	0.44	0.41	0.24	0.02	0.22	0.06	0.02	0.05	0.00	111.31	0.03	0.00	102.15									
Grading/Excavation	0.06	0.67	0.75	0.25	0.03	0.22	0.07	0.02	0.05	0.00	245.73	0.03	0.02	229.47									
Drainage/Utilities/Sub-Grade	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.02	0.06	476.06									
Paving	0.03	0.40	0.28	0.01	0.01	0.00	0.01	0.01	0.00	0.00	64.46	0.02	0.00	59.18									
Maximum (tons/phase)	0.07	0.72	1.25	0.49	0.05	0.44	0.12	0.03	0.09	0.00	505.93	0.03	0.06	476.06									
Total (tons/construction project)	0.21	2.22	2.69	1.00	0.12	0.88	0.27	0.09	0.18	0.01	927.43	0.11	0.09	866.86									

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

EMFAC2021 MODEL OUTPUTS

Table A-1: Composite Emissions Factors - Placer County (Grams per Second)

Carbon Dioxide	Methane	Nitrous Oxide
0.0569433	0.0000466	0.0000095

Source: California Air Resources Board. 2020. 2021 version of the Emission Factor model (EMFAC2021).

Existing Conditions

Table B-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	3,801	43	163,443	5.3917	0.0044	0.0009	5.78
PM Peak Period	2,742	35	95,970				
AM & PM Peak Periods	6,543		259,413				

Table B-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,513	79	198,527	20.8535	0.0171	0.0035	22.35
PM Peak Period	3,003	268	804,804				
AM & PM Peak Periods	5,516		1,003,331				

Table B-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,797	10	27,970	0.6491	0.0005	0.0001	0.70
PM Peak Period	3,239	20	3,259				
AM & PM Peak Periods	6,036		31,229				

Table B-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,759	204	562,836	32.0626	0.0263	0.0053	34.37
PM Peak Period	3,266	300	979,800				
AM & PM Peak Periods	6,025		1,542,636				

Table B-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,815	37	104,155	21.5270	0.0176	0.0036	23.08
PM Peak Period	3,351	278	931,578				
AM & PM Peak Periods	6,166		1,035,733				

Table B-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	5,054	44	222,376	12.0610	0.0099	0.0020	12.93
PM Peak Period	6,171	58	357,918				
AM & PM Peak Periods	11,225		580,294				

Table B-7: Total Emissions - Existing Conditions

Greenhouse Gases (Metric Tons per Year)			
CO2	CH4	N2O	CO2e
92.5450	0.0758	0.0154	99.20

Proposed Project Conditions

Table C-1: Pleasant Grove Boulevard/Woodcreek Oaks Boulevard

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	4,540	37	167,980	6.0227	0.0049	0.0010	6.46
PM Peak Period	3,806	32	121,792				
AM & PM Peak Periods	8,346		289,772				

Pleasant Grove Boulevard Widening Project Idling Greenhouse Gas Emissions

Table C-2: Pleasant Grove Boulevard/Birkdale Drive-Retreat Way Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,541	26	66,066	3.0024	0.0025	0.0005	3.22
PM Peak Period	3,015	26	78,390				
AM & PM Peak Periods	5,556		144,456				

Table C-3: Pleasant Grove Boulevard/Country Club Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,830	8	22,640	1.0822	0.0009	0.0002	1.16
PM Peak Period	3,270	9	29,430				
AM & PM Peak Periods	6,100		52,070				

Table C-4: Pleasant Grove Boulevard/Laporte Drive-Hemingway Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,804	36	100,944	4.1638	0.0034	0.0007	4.46
PM Peak Period	3,313	30	99,390				
AM & PM Peak Periods	6,117		200,334				

Table C-5: Pleasant Grove Boulevard/Misty Wood Drive Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	2,834	32	90,688	4.4124	0.0036	0.0007	4.73
PM Peak Period	3,378	36	121,608				
AM & PM Peak Periods	6,212		212,296				

Table C-6: Pleasant Grove Boulevard/Foothills Boulevard Intersection

Time	Trip Volume	Delay per Vehicle (seconds)	Total Seconds Idling	Greenhouse Gases (Metric Tons per Year)			
				CO2	CH4	N2O	CO2e
AM Peak Period	5,057	43	217,451	10.7130	0.0088	0.0018	11.48
PM Peak Period	6,208	48	297,984				
AM & PM Peak Periods	11,265		515,435				

Pleasant Grove Boulevard Widening Project Idling Greenhouse Gas Emissions

Table C-7: Total Emissions - Proposed Project Conditions

Greenhouse Gases (Metric Tons per Year)			
CO2	CH4	N2O	CO2e
29.3966	0.0241	0.0049	31.51

APPENDIX C

Biological Resources Assessment
for the
Pleasant Grove Boulevard Widening Project
(ECORP Consulting, Inc. September 21, 2022.)

Biological Resources Assessment for the Pleasant Grove Boulevard Widening Project

Placer County, California

Prepared For:

City of Roseville

Prepared By:



ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

2525 Warren Drive
Rocklin, California 95677

September 21, 2022

CONTENTS

1.0 INTRODUCTION 1

 1.1 Project Location 1

 1.2 Purpose of this Biological Resources Assessment 1

2.0 PROJECT DESCRIPTION 3

3.0 REGULATORY SETTING 7

 3.1 Federal Regulations 7

 3.1.1 Federal Endangered Species Act 7

 3.1.2 Magnuson-Stevens Fishery Conservation and Management Act 8

 3.1.3 Migratory Bird Treaty Act 8

 3.1.4 Bald and Golden Eagle Protection Act 9

 3.1.5 Federal Clean Water Act 9

 3.2 State or Local Regulations 9

 3.2.1 California Fish and Game Code 9

 3.2.2 Species of Special Concern 11

 3.2.3 California Rare Plant Ranks 11

 3.2.4 Porter-Cologne Water Quality Act 12

 3.2.5 California Environmental Quality Act 13

4.0 METHODS 15

 4.1 Literature Review 15

 4.2 Site Reconnaissance 15

 4.3 Special-Status Species Considered for the Project 15

5.0 RESULTS 16

 5.1 Site Characteristics and Land Use 16

 5.2 Vegetation Communities and Land Cover 16

 5.2.1 Ruderal Annual Grassland 16

 5.2.2 Developed 16

 5.3 Soils 16

 5.4 Aquatic Resources 18

 5.5 Evaluation of Species Identified in the Literature Search 18

 5.5.1 Plants 36

 5.5.2 Invertebrates 37

 5.5.3 Fish 38

 5.5.4 Amphibians 38

 5.5.5 Reptiles 38

5.5.6	Birds	38
5.5.7	Mammals	40
5.6	Sensitive Natural Communities	41
5.7	Wildlife Movement/Corridors and Nursery Sites	41
5.8	Critical Habitat.....	42
5.9	Protected Trees.....	42
6.0	IMPACT ANALYSIS.....	42
6.1	Special Status Species, Designated Critical Habitat and Essential Fish Habitat	42
6.1.1	Impacts to Special-Status Plants	43
6.1.2	Impacts to Special-Status Birds	43
6.1.3	Impacts to Special-Status Bats.....	43
6.2	Riparian Habitat and Sensitive Natural Communities	43
6.3	Aquatic Resources, Including Waters the U.S. and State	43
6.4	Wildlife Movement/Corridors and Nursery Sites	43
6.5	Local Policies, Ordinances, and Other Plans.....	44
7.0	RECOMMENDATIONS.....	44
7.1	General Recommendations.....	44
7.2	Special-Status Species.....	45
7.2.1	Special-Status Birds and Migratory Bird Treaty Act-Protected Birds (Including Nesting Raptors).....	45
7.2.2	Special-Status Bats.....	46
7.2.3	Protected Trees	46
8.0	REFERENCES.....	47

LIST OF FIGURES

Figure 1.	Study Area Location and Vicinity	2
Figure 2.	Preliminary Road Widening (West)	4
Figure 3.	Preliminary Road Widening (East)	5
Figure 4.	Staging Area	6
Figure 5.	Natural Resources Conservation Service Soil Units	17

LIST OF TABLES

Table 1.	Evaluation of Special-Status Plant and Wildlife Species for the Project Area.....	18
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LIST OF ATTACHMENTS

Attachment A – Special Status Species Searches

Attachment B – Representative Site Photos

Attachment C – Arborist Report

LIST OF ACRONYMS AND ABBREVIATIONS

BA	Biological Assessment
BCC	Birds of Conservation Concern
BO	Biological Opinion
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CWA	Clean Water Act
DSH	Diameter At Standard Height
EFH	Essential Fish Habitat
ESA	Endangered Species Act
ESU	Evolutionarily Significant Unit
HCP	Habitat Conservation Plan
MBTA	Migratory Bird Treaty Act
MDBM	Mount Diablo Base and Meridian
MSL	Mean Sea Level
NMFS	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
PCCP	Placer County Conservation Program
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Application
SSC	Species of Special Concern
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WBWG	Western Bat Working Group

1.0 INTRODUCTION

At the request of the City of Roseville, ECORP Consulting, Inc. has conducted a biological resources assessment for the proposed Pleasant Grove Boulevard Widening Project (Project) located in the City of Roseville, Placer County, California. The purpose of the assessment was to collect information on the biological resources present within the Project Study Area and to determine any potential biological constraints to Project activities.

1.1 Project Location

The approximately 21.22-acre Study Area is located in Roseville, within the Pleasant Grove Neighborhood Association on Pleasant Grove Boulevard from 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard in Placer County. The Study Area corresponds to a portion of Sections 28-29, Township 11 North, and Range 06 East (Mount Diablo Base and Meridian [MDBM]) of the "Roseville, California" 7.5-minute quadrangles (U.S. Geological Survey [USGS] 1992) (Figure 1). The approximate center of the Study Area is located at 38.771008° North and -121.317298° West within the Upper Coon-Upper Auburn Watershed (#18020161, Natural Resources Conservation Service [NRCS] et al. 2022).

1.2 Purpose of this Biological Resources Assessment

The purpose of this biological resources assessment is to assess the potential for occurrence of special-status plant and animal species or their habitat, and sensitive habitats such as wetlands within the Study Area. This assessment does not include determinate field surveys conducted according to agency-promulgated protocols. The conclusions and recommendations presented in this report are based upon a review of the existing literature and results of the current site reconnaissance survey and do not include determinate field surveys for special-status plant and wildlife species

For the purposes of this assessment, special-status species are defined as plants or animals that:

- are listed, proposed for listing, or candidates for future listing as threatened or endangered under the federal Endangered Species Act (ESA);
- are listed or candidates for future listing as threatened or endangered under the California ESA;
- meet the definitions of endangered or rare under Section 15380 of the California Environmental Quality Act (CEQA) Guidelines;
- are identified as a species of special concern by the California Department of Fish and Wildlife (CDFW);
- are birds identified as Birds of Conservation Concern (BCC) by the U.S. Fish and Wildlife Service (USFWS);
- are plants considered by the California Native Plant Society (CNPS) to be "rare, threatened, or endangered in California" (California Rare Plant Ranks [CRPR] 1 and 2);

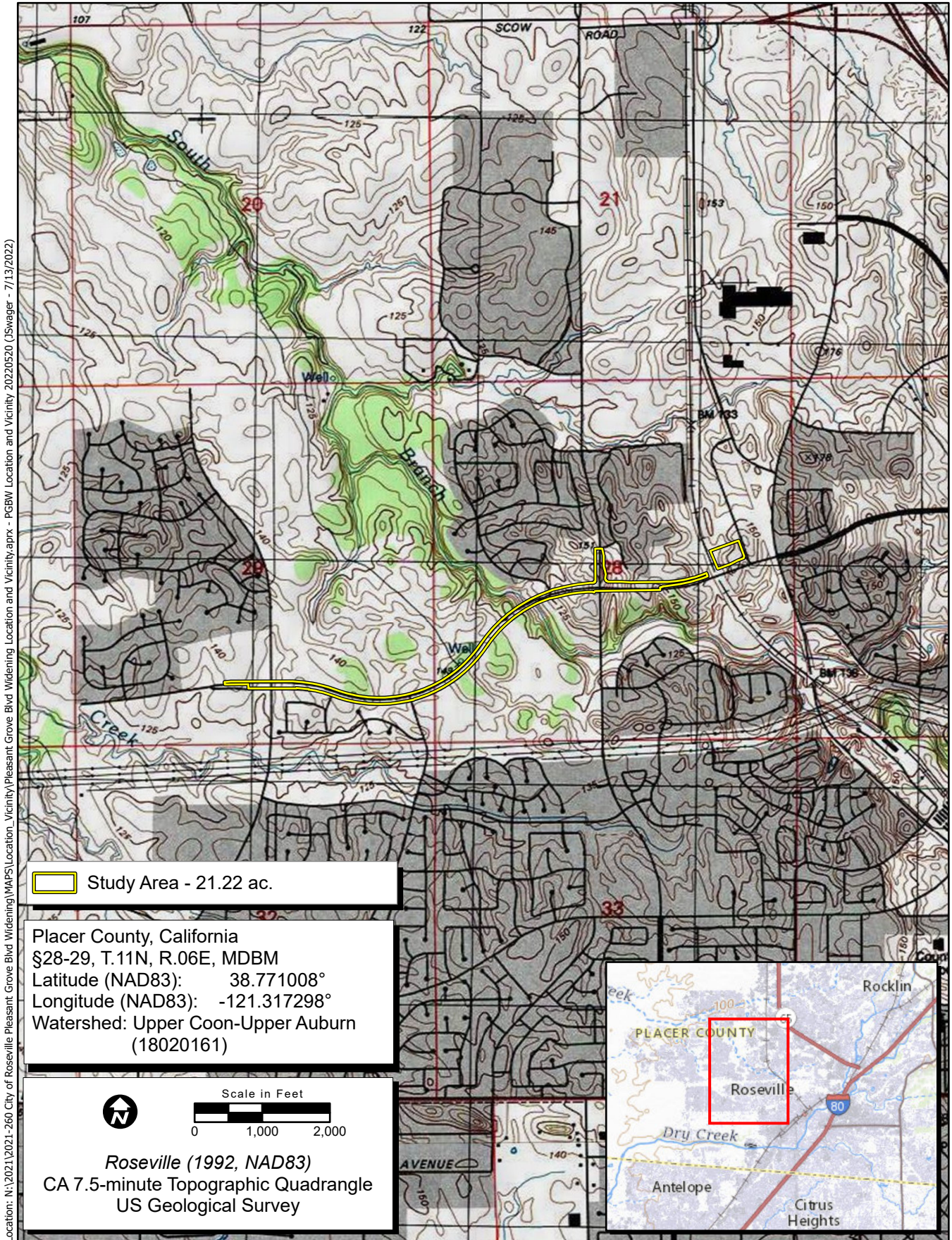


Figure 1. Study Area Location and Vicinity

- plants listed by CNPS as species about which more information is needed to determine their status (CRPR 3), and plants of limited distribution (CRPR 4);
- are plants listed as rare under the California Native Plant Protection Act (California Fish and Game Code, Section 1900 et seq.); or
- are fully protected in California in accordance with the California Fish and Game Code, Sections 3511 (birds), 4700 (mammals), 5050 (amphibians and reptiles), and 5515 (fishes).

Only species that fall into one of the above groups were considered for this assessment. Other species sometimes found in database searches or within the literature were not included in this analysis.

2.0 PROJECT DESCRIPTION

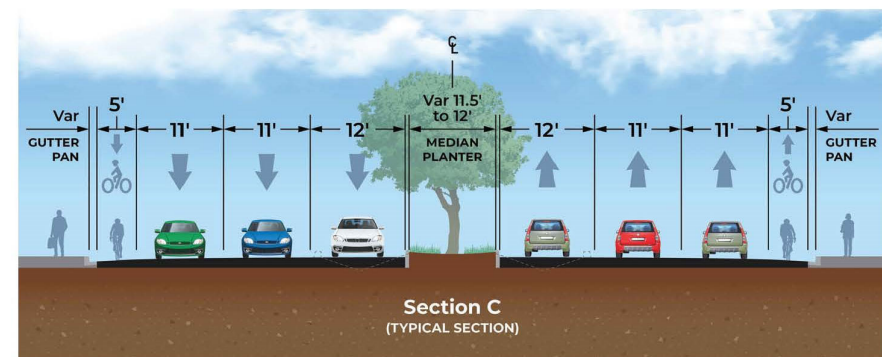
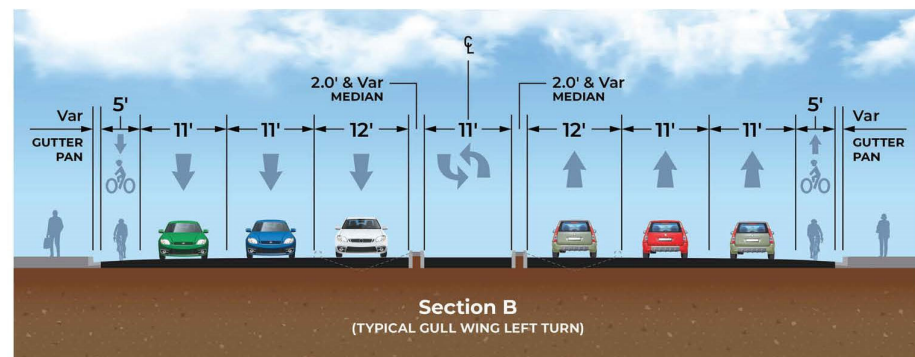
The Proposed Project includes widening of Pleasant Grove Boulevard from two to three lanes in each direction beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard (Project Limits).

The overall road widening Project is shown on Figures 2 and 3. The primary Project components are described below.

The location and limits of proposed road widening, lane striping, and related Project improvements are shown on Figures 2 and 3. As shown, the Project would widen Pleasant Grove Boulevard from four to six travel lanes, configured as three eastbound and three westbound lanes, from the existing six-lane section east of Foothills Boulevard west through Woodcreek Oaks Boulevard. Road widening would primarily occur to the interior median, which is sized to accommodate the additional travel lanes while preserving the roadway's existing exterior curb, gutter, and sidewalk. With one small exception, all road widening will occur within the existing right-of-way.

Proposed widening between Misty Wood Drive and Woodcreek Oaks Boulevard would be accomplished by removing a portion of the existing median and adding a third lane in each direction of travel on the inside of the existing roadway.

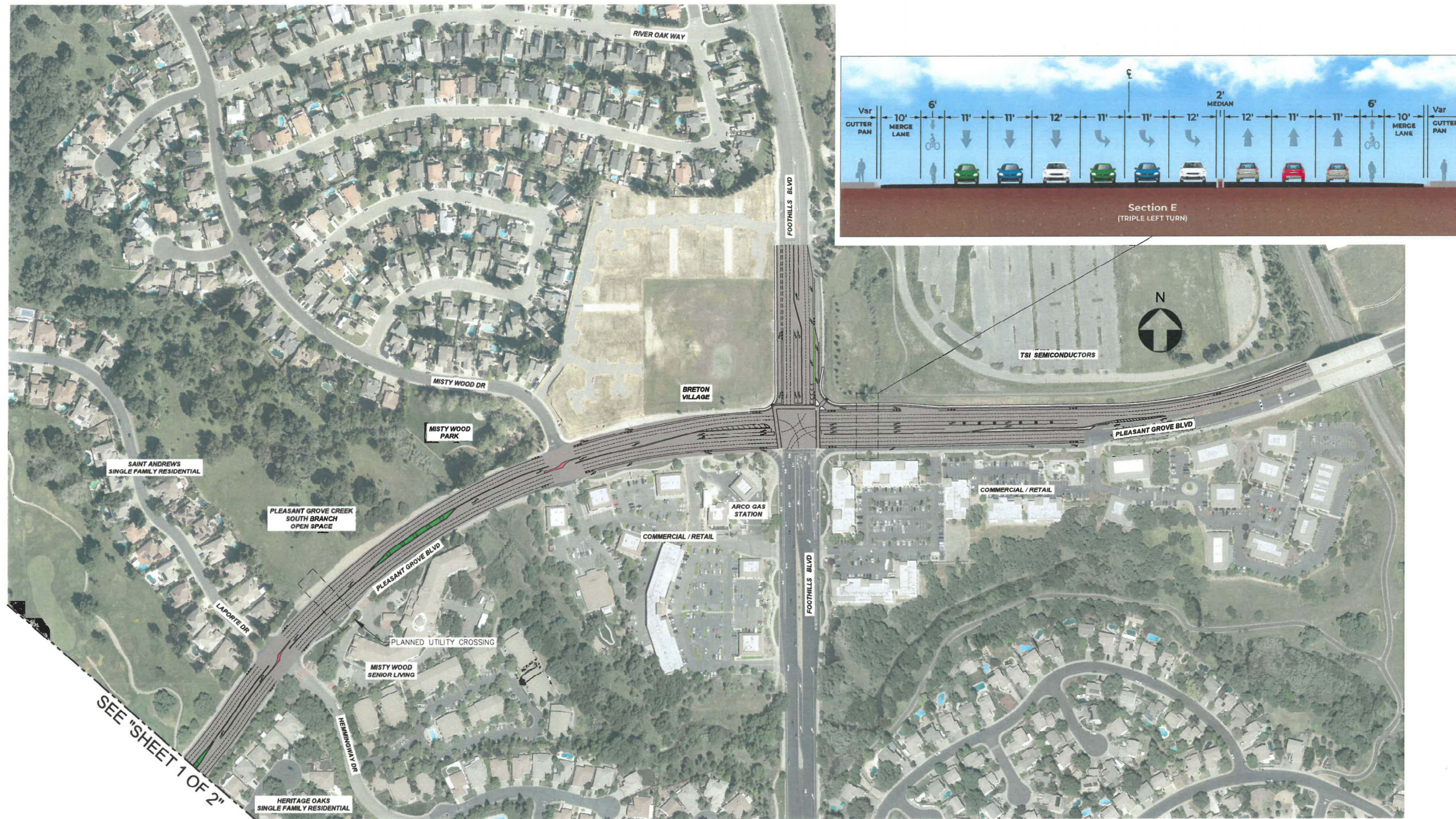
At the Foothills Boulevard intersection, the free right-turn lane island at the northwest corner of the intersection would be removed and replaced with a dedicated right-turn lane from southbound Foothills Boulevard to westbound Pleasant Grove Boulevard. Widening east of Foothills Boulevard would be accommodated by relocating the west- to north-bound right-turn lane to the north, allowing area for an additional third westbound through lane to extend the southbound left-turn lane storage. Striping would be modified on Pleasant Grove Boulevard to provide an additional third through lane in each direction of travel at the Woodcreek Oaks Boulevard intersection. The Proposed Project would join existing roadway improvements approximately 700 feet west of Woodcreek Oaks Boulevard. During construction, any contractor trailer and all equipment and materials would be stored within the designated Construction Staging Area shown on Figure 4 or at an alternative location to be established and environmentally cleared by the Contractor and approved by the City.



PLEASANT GROVE BLVD WIDENING PROJECT

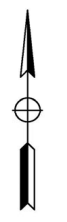
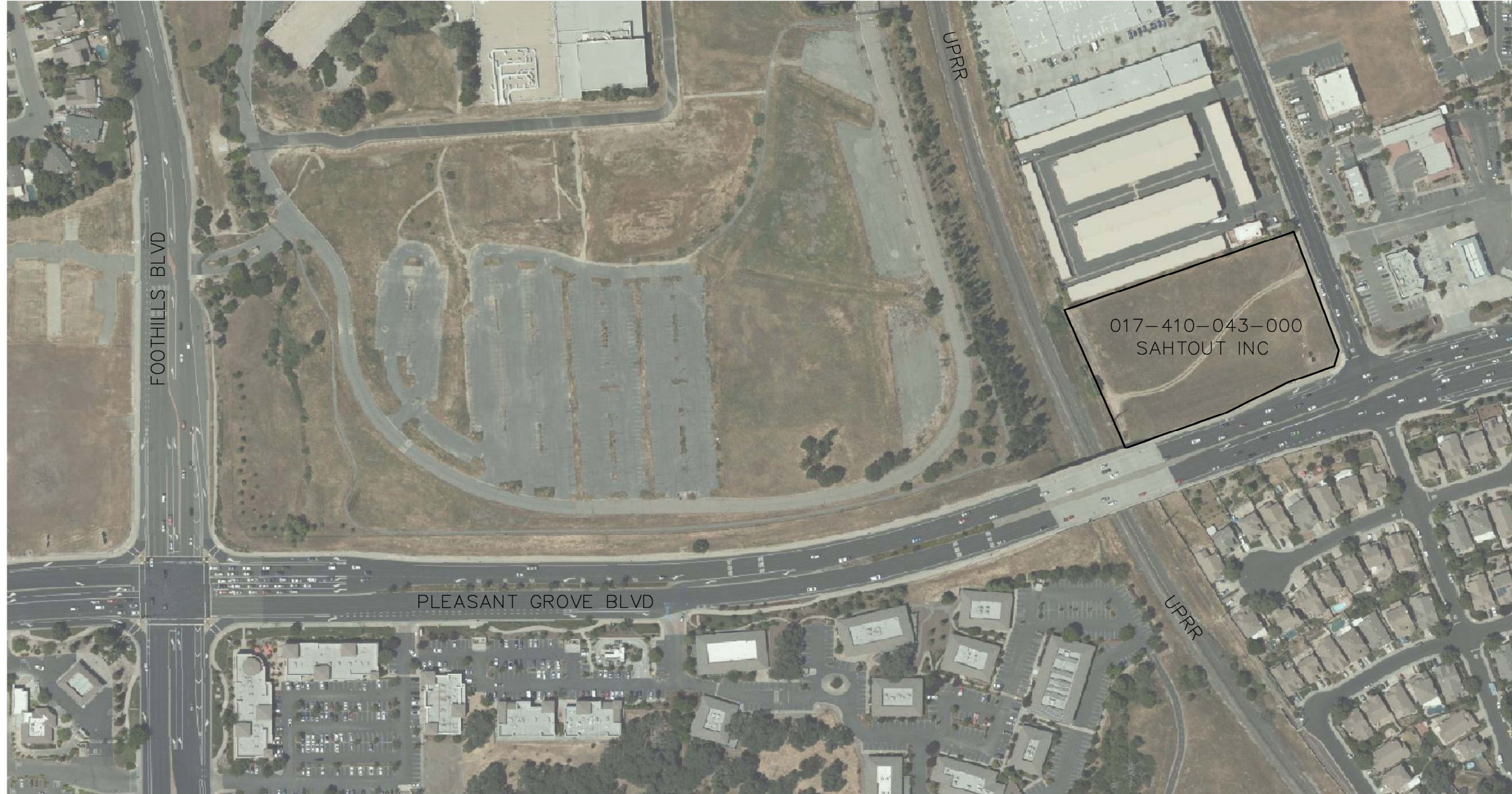
SHEET 1 OF 2





PLEASANT GROVE BLVD WIDENING PROJECT
SHEET 2 OF 2





SCALE: 1"=100'

Xrefs: 22x34 BorderPOB_X_TPOC_FlattenedPOB-R301_City-Sld
Images: ecopar_COR_black_logo.tif

NO.	REVISIONS DESCRIPTION	DATE	BY

BENCH MARK	ELEV.	SEE NOTES
THE VERTICAL DATUM OF THIS MAPPING IS BASED ON THE CITY OF ROSEVILLE BENCHMARK 85, ADJUSTED TO NAVD88 BY ADDING A PROJECT FACTOR OF +2.16 FEET.		

FIELD BOOK
SCALE _____
HORIZ. _____
VERT. _____



PSOMAS
 1075 Creekside Ridge Way, Suite 200 Roseville, CA 95678 (916) 788-8122
 DESIGNED BY: CHRIS BRAZIL DATE 02/2022
 CHECKED BY: _____ DATE _____
 DRAWN BY: CHRIS BRAZIL DATE 02/2022

**PLEASANT GROVE BOULEVARD
 WIDENING PROJECT
 STAGING AREA**

SHEET
— OF —

Plotted: 05/19/2022 12:31:35. | Drawing: \\pprod.psomas.corp\panzuraprojects\ROS_Projects\6R05013306\TRANSP\EXHIB\2022_03_17_Staging_Plan\zz-PGB-Staging-Area.dwg | Layout: SC-01 | By: debi.Huynh

3.0 REGULATORY SETTING

3.1 Federal Regulations

3.1.1 Federal Endangered Species Act

The federal ESA protects plants and animals that are listed as endangered or threatened by the USFWS and the National Marine Fisheries Service (NMFS). Section 9 of ESA prohibits the taking of listed wildlife, where take is defined as “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct” (50 Code of Federal Regulations [CFR] 17.3). For plants, this statute governs removing, possessing, maliciously damaging, or destroying any listed plant on federal land and removing, cutting, digging up, damaging, or destroying any listed plant on non-federal land in knowing violation of state law (16 U.S. Code [USC] 1538). Under Section 7 of ESA, federal agencies are required to consult with the USFWS if their actions, including permit approvals or funding, could adversely affect a listed (or proposed) species (including plants) or its Critical Habitat. Through consultation and the issuance of a Biological Opinion (BO), the USFWS may issue an incidental take statement allowing take of the species that is incidental to an otherwise authorized activity provided the activity will not jeopardize the continued existence of the species. Section 10 of ESA provides for issuance of incidental take permits where no other federal actions are necessary provided a Habitat Conservation Plan (HCP) is developed.

3.1.1.1 Section 7

Section 7 of ESA mandates that all federal agencies consult with USFWS and/or NMFS to ensure that federal agencies’ actions do not jeopardize the continued existence of a listed species or adversely modify Critical Habitat for listed species. If direct and/or indirect effects will occur to Critical Habitat that appreciably diminish the value of Critical Habitat for both the survival and recovery of a species, the adverse modifications will require formal consultation with USFWS or NMFS. If adverse effects are likely, the applicant must conduct a Biological Assessment (BA) for the purpose of analyzing the potential effects of the Project on listed species and Critical Habitat to establish and justify an *effect determination*. The federal agency reviews the BA; if it concludes that the project may adversely affect a listed species or its habitat, it prepares a BO. The BO may recommend *reasonable and prudent alternatives* to the project to avoid jeopardizing or adversely modifying habitat.

3.1.1.2 Section 10

An incidental take permit under Section 10 of the ESA is necessary when no discretionary action is being taken by a federal agency but a project may result in the take of listed species. The purpose of the incidental take permit is to authorize the take of federally listed species that may result from an otherwise lawful activity, not to authorize the activities themselves. In order to obtain an incidental take permit under Section 10, an application must be submitted that includes an HCP. In some instances, applicants, USFWS, and/or NMFS may determine that an HCP is necessary or prudent, even if a discretionary federal action will occur. The purpose of the HCP planning process associated with the permit application is to

ensure that adequate minimization and mitigation for impacts to listed species and/or their habitat will occur.

3.1.1.3 Critical Habitat

Critical Habitat is defined in Section 3 of the ESA as (1) the specific areas within the geographical area occupied by a species, at the time it is listed in accordance with the ESA, on which are found those physical or biological features essential to the conservation of the species and that may require special management considerations or protection; and (2) specific areas outside the geographical area occupied by a species at the time it is listed, upon a determination that such areas are essential for the conservation of the species. For inclusion in a Critical Habitat designation, habitat within the geographical area occupied by the species at the time it was listed must first have features that are essential to the conservation of the species. Critical Habitat designations identify, to the extent known and using the best scientific data available, habitat areas that provide essential life cycle needs of the species (i.e., areas on which are found the primary physical and biological features). Primary physical and biological features are features essential to the conservation of the species and that may require special management considerations or protection. These include but are not limited to the following:

- Space for individual and population growth and for normal behavior;
- Food, water, air, light, minerals, or other nutritional or physiological requirements;
- Cover or shelter;
- Sites for breeding, reproduction, or rearing (or development) of offspring; or
- Habitats that are protected from disturbance or are representative of the historic, geographical, and ecological distributions of a species.

3.1.2 Magnuson-Stevens Fishery Conservation and Management Act

The 1996 Magnuson-Stevens Fishery Conservation and Management Act, as amended (16 USC 1801), requires federal agencies to consult with NMFS whenever a proposed action has a potential to adversely affect Essential Fish Habitat (EFH). Although states are not required to consult with NMFS, NMFS is required to develop EFH conservation recommendations for any state agency activities with the potential to affect EFH. EFH is defined as "...those waters and substrates necessary to fish for spawning, breeding, feeding or growth to maturity" and includes the necessary habitat for managed fish to complete their life cycles and contribute to a sustainable fishery and healthy ecosystem. Although the concept of EFH is similar to the ESA definition of Critical Habitat, measures recommended by NMFS or a regional fisheries management council to protect EFH are advisory, rather than prescriptive (NMFS 1998).

3.1.3 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) implements international treaties between the United States and other nations devised to protect migratory birds, any of their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations

or by permit. As authorized by the MBTA, the USFWS issues permits to qualified applicants for the following types of activities: falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), take of depredating birds, taxidermy, and waterfowl sale and disposal. The regulations governing migratory bird permits can be found in 50 CFR part 13 General Permit Procedures and 50 CFR part 21 Migratory Bird Permits. The State of California has incorporated the protection of birds of prey in Sections 3800, 3513, and 3503.5 of the California Fish and Game Code.

3.1.4 Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act of 1940 (as amended) provides for the protection of bald eagle and golden eagle by prohibiting the take, possession, sale, purchase, barter, offer to sell, purchase or barter, transport, export or import, of any bald or golden eagle, alive or dead, including any part, nest, or egg, unless allowed by permit [16 USC 668(a); 50 CFR 22]. The USFWS may authorize take of bald eagles and golden eagles for activities where the take is associated with, but not the purpose of, the activity and cannot practicably be avoided (50 CFR 22.26).

3.1.5 Federal Clean Water Act

The purpose of the federal Clean Water Act (CWA) is to “restore and maintain the chemical, physical, and biological integrity of the nation’s waters.” Section 404 of the CWA prohibits the discharge of dredged or fill material into *Waters of the U.S.* without a permit from the U.S. Army Corps of Engineers (USACE). *Discharges of fill material* is defined as the addition of fill material into Waters of the U.S., including, but not limited to, the following: placement of fill necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; and fill for intake and outfall pipes, and subaqueous utility lines” (33 CFR § 328.2(f)). In addition, Section 401 of the CWA (33 USC 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into Waters of the U.S. to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Substantial impacts to wetlands (over 0.5 acre of impact) may require an individual permit. Projects that only minimally affect wetlands (less than 0.5 acre of impact) may meet the conditions of one of the existing Nationwide Permits. A Water Quality Certification or waiver pursuant to Section 401 of the CWA is required for Section 404 permit actions; this certification or waiver is issued by the Regional Water Quality Control Board (RWQCB).

3.2 State or Local Regulations

3.2.1 California Fish and Game Code

3.2.1.1 California Endangered Species Act

The California ESA (California Fish and Game Code §§ 2050-2116) generally parallels the main provisions of the federal ESA, but unlike its federal counterpart, the California ESA applies the take prohibitions to

species proposed for listing (called *candidates* by the state). Section 2080 of the California Fish and Game Code prohibits the taking, possession, purchase, sale, and import or export of endangered, threatened, or candidate species, unless otherwise authorized by permit or in the regulations. *Take* is defined in Section 86 of the California Fish and Game Code as “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.” The California ESA allows for take incidental to otherwise lawful development projects. State lead agencies are required to consult with the CDFW to ensure that any action they undertake is not likely to jeopardize the continued existence of any endangered, threatened or candidate species or result in destruction or adverse modification of essential habitat.

3.2.1.2 Fully Protected Species

The state of California first began to designate species as *fully protected* prior to the creation of the federal and California ESAs. Lists of fully protected species were initially developed to provide protection to those animals that were rare or faced possible extinction and included fish, amphibians and reptiles, birds, and mammals. Most fully protected species have since been listed as threatened or endangered under the state and/or federal ESAs. The regulations that implement the Fully Protected Species Statute (California Fish and Game Code § 4700 for mammals, § 3511 for birds, § 5050 for reptiles and amphibians, and § 5515 for fish) provide that fully protected species may not be taken or possessed at any time. Furthermore, CDFW prohibits any state agency from issuing incidental take permits for fully protected species. CDFW will issue licenses or permits for take of these species for necessary scientific research or live capture and relocation pursuant to the permit.

3.2.1.3 Native Plant Protection Act

The Native Plant Protection Act (NPPA) of 1977 was created with the intent to “preserve, protect and enhance rare and endangered plants in this State.” The NPPA is administered by CDFW and provided in California Fish and Game Code §§ 1900-1913. The Fish and Wildlife Commission has the authority to designate native plants as *endangered* or *rare* and to protect endangered and rare plants from take. The California ESA of 1984 (California Fish and Game Code §§ 2050-2116) provided further protection for rare and endangered plant species, but the NPPA remains part of the California Fish and Game Code.

3.2.1.4 Birds of Prey

Sections 3800, 3513, and 3503 of the California Fish and Game Code specifically protect birds of prey. Section 3800 states that it is unlawful to take nongame birds, such as those occurring naturally in California that are not resident game birds, migratory game birds, or fully protected birds, except when in accordance with regulations of the commission or a mitigation plan approved by CDFW for mining operations. Section 3513 specifically prohibits the take or possession of any migratory nongame bird as designated in the MBTA.

Section 3503 of the California Fish and Game Code prohibits the take, possession, or needless destruction of the nest or eggs of any bird. Additionally, Subsection 3503.5 prohibits the take, possession, or destruction of any birds and their nests in the orders Strigiformes (owls) or Falconiformes (hawks and eagles). These provisions, along with the federal MBTA, serve to protect nesting raptors.

3.2.1.5 California Streambed Alteration Notification/Agreement

Section 1602 of the California Fish and Game Code requires that a Streambed Alteration Application (SAA) be submitted to CDFW for “any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake.” CDFW reviews the proposed actions and, if necessary, submits proposed measures to protect affected fish and wildlife resources to the applicant. The SAA is the final proposal mutually agreed upon by CDFW and the Applicant. Projects that require an SAA often also require a permit from the USACE under Section 404 of the CWA. The conditions of the Section 404 permit and the SAA overlap in these instances.

3.2.2 Species of Special Concern

Species of Special Concern (SSC) are defined by the CDFW as a species, subspecies, or distinct population of an animal native to California that are not legally protected under ESA, the California ESA or the California Fish and Game Code, but currently satisfy one or more of the following criteria:

- The species has been completely extirpated from the state or, as in the case of birds, it has been extirpated from its primary seasonal or breeding role.
- The species is listed as federally (but not state) threatened or endangered, or meets the state definition of threatened or endangered but has not formally been listed.
- The species has or is experiencing serious (noncyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for state threatened or endangered status.
- The species has naturally small populations that exhibit high susceptibility to risk from any factor that if realized, could lead to declines that would qualify it for state threatened or endangered status.
- SSC are typically associated with threatened habitats. Project-related impacts to SSC, state-threatened or endangered species are considered significant under CEQA.

3.2.3 California Rare Plant Ranks

The CNPS maintains the *Inventory of Rare and Endangered Plants of California* (CNPS 2022), which provides a list of plant species native to California that are threatened with extinction, have limited distributions, or low populations. Plant species meeting one of these criteria are assigned to one of six CRPRs. The rank system was developed in collaboration with government, academia, non-governmental organizations, and private sector botanists, and is jointly managed by CDFW and the CNPS. The CRPRs are currently recognized in the California Natural Diversity Database (CNDDDB). The following are definitions of the CNPS CRPRs:

- Rare Plant Rank 1A – presumed extirpated in California and either rare or extinct elsewhere
- Rare Plant Rank 1B – rare, threatened, or endangered in California and elsewhere

- Rare Plant Rank 2A – presumed extirpated in California, but more common elsewhere
- Rare Plant Rank 2B – rare, threatened, or endangered in California but more common elsewhere
- Rare Plant Rank 3 – a review list of plants about which more information is needed
- Rare Plant Rank 4 – a watch list of plants of limited distribution

Additionally, the CNPS has defined Threat Ranks that are added to the CRPR as an extension. Threat Ranks designate the level of threat on a scale of 1 through 3, with 1 being the most threatened and 3 being the least threatened. Threat Ranks are generally present for all plants ranked 1B, 2B, or 4, and for the majority of plants ranked 3. Plant species ranked 1A and 2A (presumed extirpated in California), and some species ranked 3, which lack threat information, do not typically have a Threat Rank extension. The following are definitions of the CNPS Threat Ranks:

- Threat Rank 0.1 – Seriously threatened in California (more than 80 percent of occurrences threatened/high degree and immediacy of threat)
- Threat Rank 0.2 – Moderately threatened in California (20-80 percent occurrences threatened/moderate degree and immediacy of threat)
- Threat Rank 0.3 – Not very threatened in California (less than 20 percent of occurrences threatened/low degree and immediacy of threat or no current threats known)

Factors, such as habitat vulnerability and specificity, distribution, and condition of occurrences, are considered in setting the Threat Rank; and differences in Threat Ranks do not constitute additional or different protection (CNPS 2022). Depending on the policy of the lead agency, substantial impacts to plants ranked 1A, 1B, or 2 are typically considered significant under CEQA Guidelines Section 15380. Significance under CEQA is typically evaluated on a case-by-case basis for plants ranked 3 or 4.

3.2.4 Porter-Cologne Water Quality Act

The RWQCB implements water quality regulations under the federal CWA and the Porter-Cologne Water Quality Act. These regulations require compliance with the National Pollutant Discharge Elimination System (NPDES), including compliance with the California Storm Water NPDES General Construction Permit for discharges of storm water runoff associated with construction activities. General Construction Permits for projects that disturb one or more acres of land require development and implementation of a Storm Water Pollution Prevention Plan. Under the Porter-Cologne Water Quality Act, the RWQCB regulates actions that would involve “discharging waste, or proposing to discharge waste, with any region that could affect the water of the state” (Water Code 13260(a)). Waters of the State are defined as “any surface water or groundwater, including saline waters, within the boundaries of the state” (Water Code 13050 (e)). The RWQCB regulates all such activities, as well as dredging, filling, or discharging materials into Waters of the State, which are not regulated by the USACE due to a lack of connectivity with a navigable water body. The RWQCB may require issuance of a Waste Discharge Requirements for these activities.

3.2.5 California Environmental Quality Act

Per CEQA Guidelines Section 15380, a species not protected on a federal or state list may be considered rare or endangered if the species meets certain specified criteria. These criteria follow the definitions in the federal and California ESAs, and Sections 1900-1913 of the California Fish and Game Code, which deal with rare or endangered plants or animals. Section 15380 was included in the CEQA Guidelines primarily to deal with situations where a project under review may have a significant effect on a species that has not yet been listed by either the USFWS or CDFW.

3.2.5.1 CEQA Significance Criteria

Sections 15063-15065 of the CEQA Guidelines address how an impact is identified as significant, and are particularly relevant to SSC. Generally, impacts to listed (rare, threatened, or endangered) species are considered significant and require lead agencies to prepare an Environmental Impact Report to thoroughly analyze and evaluate the impacts. Assessment of *impact significance* to populations of non-listed species (e.g., SSC) usually considers the proportion of the species' range that will be affected by a project, impacts to habitat, and the regional and population level effects.

Specifically, Section 15064.7 of the CEQA Guidelines encourages local agencies to develop and publish the thresholds that the agency uses in determining the significance of environmental effects caused by projects under its review. However, agencies may also rely upon the guidance provided by the expanded Initial Study checklist contained in Appendix G of the CEQA Guidelines. Appendix G provides examples of impacts that would normally be considered significant. Based on these examples, impacts to biological resources would normally be considered significant if the project would:

- 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 CDFW or USFWS;
- have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by CDFW or USFWS;
- have a substantial adverse effect on federally protected Waters of the U.S. including wetlands as defined by Section 404 of the CWA (including, but not limited to, marsh, vernal pool, and coastal) through direct removal, filling, hydrological interruption, or other means;
- 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;
- conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- conflict with the provisions of an adopted HCP, Natural Community Conservation Plan, or other approved local, regional or state HCP.

An evaluation of whether an impact on biological resources would be substantial must consider both the resource itself and how that resource fits into a regional or local context. Substantial impacts would be those that would diminish, or result in the loss of, an important biological resource, or those that would obviously conflict with local, state, or federal resource conservation plans, goals, or regulations. Impacts are sometimes locally important but not significant according to CEQA because although the impacts would result in an adverse alteration of existing conditions, they would not substantially diminish or result in the permanent loss of an important resource on a population-wide or region-wide basis.

3.2.5.2 City of Roseville Tree Preservation Ordinance 19.66

Roseville's native vegetation consists of valley grasslands with scattered native oaks and oak and riparian woodlands. Trees in the City enhance the natural scenic beauty, sustain long-term potential increase in property values, maintain original ecology, provide tempering of extreme temperatures, reduce soil erosion and increase the oxygen output of the area needed to combat air pollution. For these reasons, the Roseville City Council finds that, in order to promote the public health, safety and general welfare of the City of Roseville, while at the same time recognizing individual rights to develop private property, it is necessary to enact regulations controlling the removal of and preservation of trees within the City and to reforest our urban environment. (Ord. 5428 § 1, 2014.)

A Tree Permit is required for any regulated activity within the protected zone of a protected tree where the encroachment exceeds 20 percent of the protected zone, or where the regulated activity is related to a discretionary project. In addition, a Tree Permit is required for the removal of any protected tree, unless otherwise exempt.

3.2.5.3 Roseville General Plan

The Roseville General Plan establishes long-range development policies that will be implemented through actions by the City of Roseville (City) Council and Planning Commission; provide a basis for judging whether private development proposals and public projects are in harmony with the policies; and guide public agencies and private developers in designing projects that are consistent with City policies. The General Plan has been amended every time a new annexation area and/or Specific Plan is adopted. To date, the City has 14 adopted specific plans located within the City limits.

The Open Space and Conservation Element provides goals and policies intended to ensure the current and future preservation, enhancement, and management of natural resources in the City. It is the City's overarching goal for the Open Space and Conservation Element to preserve a comprehensive interconnecting system of open space, which encompasses the preservation and enhancement of natural habitat and significant resource areas, for the community's use, appreciation, and enjoyment (Roseville General Plan 2020).

4.0 METHODS

4.1 Literature Review

The following resources were queried to determine whether any special-status species/habitat have potential to occur within the Study Area (Attachment A):

- CDFW CNDDDB record search for the “Roseville, California” 7.5-minute quadrangles and the eight surrounding USGS quadrangles (CDFW 2022);
- USFWS Information, Planning, and Consultation System Resource Report List for the Study Area (USFWS 2022); and
- CNPS’ electronic Inventory of Rare and Endangered Plants of California for the “Roseville, California” 7.5-minute quadrangles and the eight surrounding USGS quadrangles (CNPS 2022).

4.2 Site Reconnaissance

A field assessment was conducted by ECORP biologists Rachel Bennett and Courtney Owens on June 1, 2022. During this assessment, accessible portions of the Study Area were visually assessed by walking or driving. The following biological resource information was collected:

- Direct observations of special-status species;
- Animal and plant species directly observed;
- Habitat and vegetation communities; and
- Representative photographs of the Study Area (Attachment B).

4.3 Special-Status Species Considered for the Project

Based on species occurrence information from the literature review and observations in the field, a list of special-status plant and animal species that have the potential to occur within the Study Area was generated and is located in the results section. Each of these species with potential to occur onsite was assessed based on the following criteria:

- **Present** - Species was observed during the site visit or is known to occur within the Study Area based on documented occurrences within the CNDDDB or other literature
- **Potential to Occur** - Habitat (including soils and elevation requirements) for the species occurs within the Study Area
- **Low Potential to Occur** - Marginal or limited amounts of habitat occurs or the species is not known to occur within the vicinity of the Study Area based on CNDDDB records and other available documentation

- **Absent** - No suitable habitat (including soils and elevation requirements) or the species is not known to occur within the vicinity of the Study Area based on CNDDDB records and other documentation

5.0 RESULTS

5.1 Site Characteristics and Land Use

The Study Area is located on relatively flat terrain with elevations ranging from 120 to 170 feet above Mean Sea Level (MSL). The entire roadway alignment is located within an existing Pleasant Grove Boulevard roadway and surrounded by residential and commercial development. The staging area is made up of annual grassland on the eastern edge of the Study Area.

The Woodcreek Oaks Preserve and City Preserve are within the vicinity of the Study Area and sit just north and south of Pleasant Grove Boulevard near the intersection of Pleasant Grove Boulevard and Country Club Drive. These areas consist of vernal pool grassland, primarily on the north side of Pleasant Grove Boulevard. The Woodcreek Oak Golf Course sits adjacent to the Preserve and has mature oaks throughout.

5.2 Vegetation Communities and Land Cover

The Study Area is comprised of one vegetation community, ruderal annual grassland, and one land cover, developed.

5.2.1 Ruderal Annual Grassland

The staging area is comprised of nonnative annual grassland and is surrounded by commercial development. This area was disturbed and included weedy roadside vegetation such as yellow-star thistle (*Centaurea solstitialis*) and wild oat (*Avena* sp.).

5.2.2 Developed

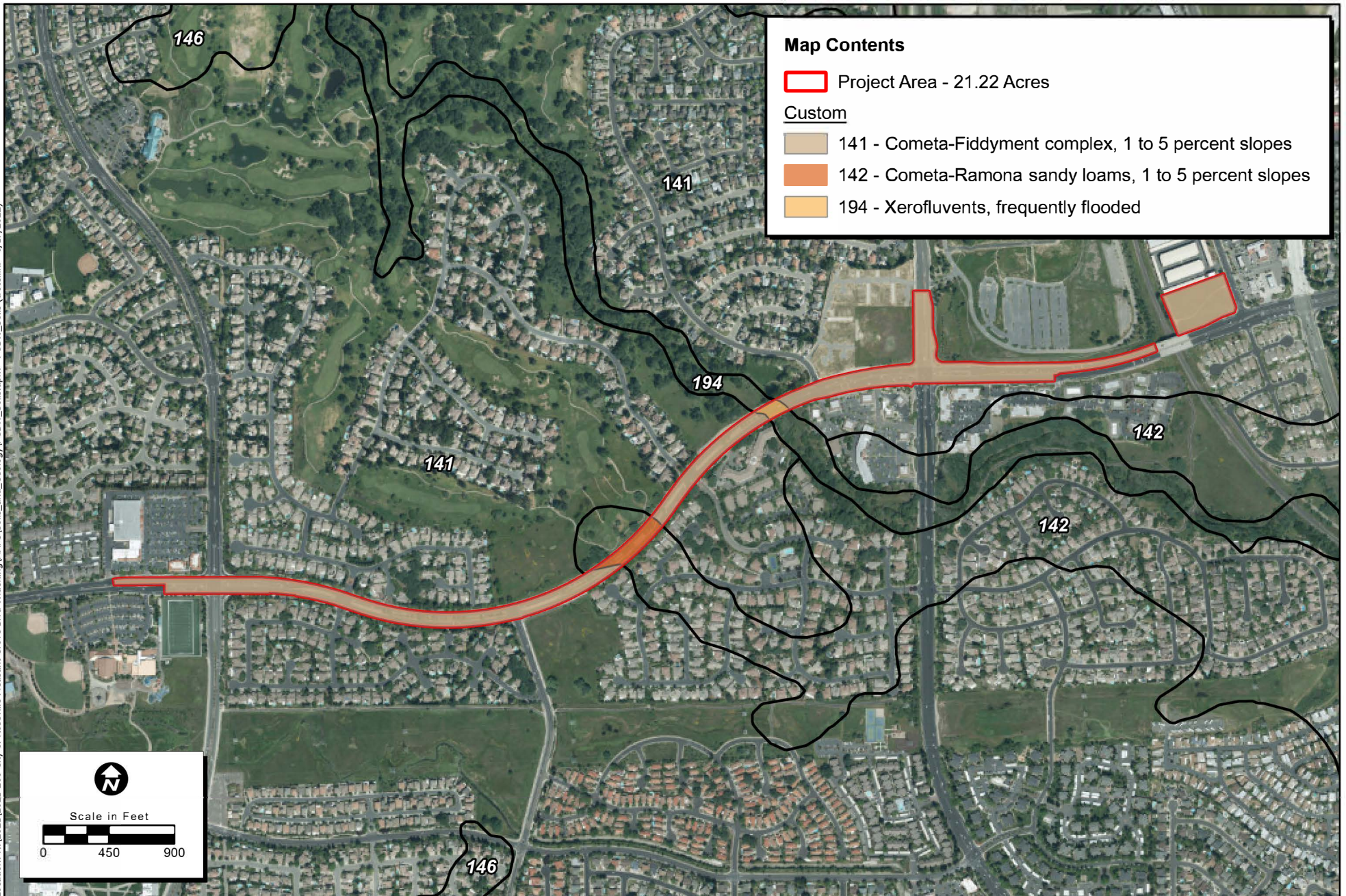
Developed portions of the Study Area are characterized by existing paved roads and sidewalks. The median of Pleasant Grove Boulevard is landscaped and composed of mostly Valley Oak (*Quercus lobata*) and Interior Live Oak (*Quercus wislizeni*). The understory is a mix of bare ground, shrubs, and some landscaped flowers, varying depending on location.

5.3 Soils

According to the Web Soil Survey (NRCS 2022), three soil units, or types, have been mapped within the Study Area (Figure 5):

- 141 – Cometa-Fiddymont complex, 1 to 5 percent slopes
- 142 – Cometa-Ramos sandy loams, 1 to 5 percent slopes
- 194 – Xerofluvents, frequently flooded

Location: N:\2021\2021-260 City of Roseville Pleasant Grove Blvd Widening\MAPS\Soils_and_Geology\PGBW_Soils.aprx - PGBW_Soils (trotellini - 6/17/2022)



Map Date: 6/17/2022

Service Layer Credits: City of Roseville, Maxar
Data Source: NRCS gSSURGO (2021)

**Figure 5. Natural Resources Conservation
Service Soil Units**

2021-260 City of Roseville Pleasant Grove Boulevard Widening

5.4 Aquatic Resources

There are no aquatic features within the Study Area.

5.5 Evaluation of Species Identified in the Literature Search

Table 1 lists all the special-status plant and animal species identified in the literature review as having potential to occur within the Study Area. Included in this table is a determination on the potential to occur within the Study Area. Following the table is a brief description and discussion of each special-status species with potential to occur in the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
Plants						
Big-scale balsamroot <i>(Balsamorhiza macrolepis)</i>	–	–	1B.2	Chaparral, cismontane woodland, and valley and foothill grassland, sometimes on serpentinite soils (150'–5,100').	March–June	Absent. The Study Area is outside of the current known geographic range for this species (the only known occurrences in the vicinity are extirpated and/or are historic records with no recent verification).
Valley brodiaea <i>(Brodiaea rosea ssp. vallicola)</i>	–	–	4.2	Occurs in old alluvial terraces and silt, sandy, or gravelly soils in vernal pools and swales within valley and foothill grassland (35'–1,100').	April–May	Low potential to occur. The disturbed annual grassland within the Study Area may provide marginally suitable habitat for this species.
Hispid salty bird's-beak <i>(Chloropyron molle ssp. hispidum)</i>	–	–	1B.1	Alkaline soils in meadows and seeps, playas, and valley and foothill grasslands (5'–510').	June–September	Absent. No alkaline habitat was observed within the Study Area during the site visit.
Brandegge's clarkia <i>(Clarkia biloba)</i>	–	–	4.2	Chaparral, cismontane woodlands, and lower montane coniferous forest often along roadcuts (245'–3,000').	May–July	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
ssp. <i>brandegeae</i>)						
Dwarf downingia (<i>Downingia pusilla</i>)	–	–	2B.2	Mesic areas in valley and foothill grassland, and vernal pools. Species has also been found in disturbed areas such as tire ruts and scraped depressions (CDFW 2022) (5'–1,460').	March–May	Absent. No mesic habitat within the Study Area.
Stinkbells (<i>Fritillaria agrestis</i>)	–	–	4.2	Clay and sometimes serpentinite soils in chaparral, cismontane woodland, pinyon and juniper woodland, and valley and foothill grassland (35'–5,100').	March–June	Low potential to occur. The disturbed annual grassland within the Study Area may provide marginally suitable habitat for this species.
Boggs Lake hedge-hyssop (<i>Gratiola heterosepala</i>)	–	CE	1B.2	Marshes, swamps, lake margins, and vernal pools (35'–7,790').	April–August	Absent. No mesic habitat within the Study Area.
Ahart's dwarf rush (<i>Juncus leiospermus</i> var. <i>ahartii</i>)	–	–	1B.2	Mesic areas in valley and foothill grassland. Species has an affinity for slight disturbance such as farmed fields (USFWS 2005) (100'–750').	March–May	Absent. No mesic habitat within the Study Area.
Red Bluff dwarf rush (<i>Juncus leiospermus</i> var. <i>leiospermus</i>)	–	–	1B.1	Vernally mesic areas in chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland, and vernal pools (115'–4,100').	March–June	Absent. No mesic habitat within the Study Area.
Legenere (<i>Legenere limosa</i>)	–	–	1B.1	Various seasonally inundated areas including wetlands, wetland swales,	April–June	Absent. No mesic habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				marshes, vernal pools, artificial ponds, and floodplains of intermittent drainages (USFWS 2005) (5'–2,885').		
Bristly leptosiphon <i>(Leptosiphon acicularis)</i>	–	–	4.2	Chaparral, cismontane woodland, coastal prairie, valley and foothill grassland (180'–4,920').	April–July	Low potential to occur. The disturbed annual grassland within the Study Area may provide marginally suitable habitat for this species.
Pincushion navarretia <i>(Navarretia myersii</i> ssp. <i>myersii)</i>	–	–	1B.1	Often acidic soils in vernal pools (65'–1,085').	April–May	Absent. No suitable habitat within the Study Area.
Sacramento Orcutt grass <i>(Orcuttia viscida)</i>	FE	CE	1B.1	Vernal pools (100'–330').	April–July	Absent. No suitable habitat within the Study Area.
Sanford's arrowhead <i>(Sagittaria sanfordii)</i>	–	–	1B.2	Shallow marshes and freshwater swamps (0'–2,135').	May–October	Absent. No suitable habitat within the Study Area.
Invertebrate						
Conservancy fairy shrimp <i>(Branchinecta lynchi)</i>	FE	–	–	Vernal pools/wetlands.	November–April	Absent. No suitable habitat within the Study Area.
Vernal pool fairy shrimp <i>(Branchinecta lynchi)</i>	FT	–	–	Vernal pools/wetlands.	November–April	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
Monarch butterfly <i>(Danaus plexippus)</i>	FC	–	–	Adult monarchs west of the Rocky Mountains typically overwinter in sheltered wooded groves of Monterey pine, Monterey cypress, and gum eucalyptus along coastal California, then disperse in spring throughout California, Nevada, Arizona, and parts of Oregon and Washington. Adults require milkweed and additional nectar sources during the breeding season. Larval caterpillars feed exclusively on milkweed.	Any season	Absent. No suitable habitat within the Study Area.
Valley elderberry longhorn beetle <i>(Desmocerus californicus dimorphus)</i>	FT, FPD	–	–	Elderberry shrubs.	Any season	Absent. No suitable habitat (elderberry shrubs [<i>Sambucus</i> sp.]) within the Study Area.
Vernal pool tadpole shrimp <i>(Lepidurus packardii)</i>	FE	–	–	Vernal pools/wetlands.	November-April	Absent. No suitable habitat within the Study Area.
Fish						
Green sturgeon (Distinct Population Segment) <i>(Acipenser medirostris</i> pop. 1)	FT	–	–	Anadromous; undammed cold-water rivers having relatively deep pools with large substrates.	N/A	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
Pacific Lamprey <i>(Entosphenus tridentatus)</i>	–	–	SSC	Anadromous; undammed rivers, lakes, and creeks with gravel spawning substrates.	N/A	Absent. No suitable habitat within the Study Area.
Western River Lamprey <i>(Lampetra ayresii)</i>	–	–	SSC	Anadromous; undammed streams rivers, streams, and creeks with gravel spawning substrates. Side channels with sandy or soft substrates needed for ammocete rearing.	N/A	Absent. No suitable habitat within the Study Area.
Steelhead (CA Central Valley Evolutionarily Significant Unit [ESU]) <i>(Oncorhynchus mykiss)</i>	FT	–	–	Undammed rivers, streams, creeks	N/A	Absent. No suitable habitat within the Study Area.
Amphibian						
Western spadefoot <i>(Spea hammondi)</i>	–	–	SSC	California endemic species of vernal pools, swales, wetlands and adjacent grasslands throughout the Central Valley.	March-May	Absent. No suitable habitat within the Study Area.
Reptiles						
Northwestern pond turtle <i>(Actinemys marmorata)</i>	–	–	SSC	Requires basking sites and upland habitats up to 0.5 km from water for egg laying. Uses ponds, streams, detention basins, and irrigation ditches.	April-September	Absent. No suitable habitat within the Study Area.
Blainville's ("Coast") horned lizard	-	-	SSC	Formerly a wide-spread horned lizard found in a wide variety of habitats, often in	Apr-Oct	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
<i>(Phrynosoma blainvillii)</i>				lower elevation areas with sandy washes and scattered low bushes. Also occurs in Sierra Nevada foothills. Requires open areas for basking, but with bushes or grass clumps for cover, patches of loamy soil or sand for burrowing and an abundance of ants (Stebbins and McGinnis 2012). In the northern Sacramento area, this species appears restricted to the foothills between 1000 to 3000 feet from Cameron Park (El Dorado County) north and west to Grass Valley and Nevada City.		
Giant garter snake <i>(Thamnophis gigas)</i>	FT	CT	–	Freshwater ditches, sloughs, and marshes in the Central Valley. Almost extirpated from the southern parts of its range.	April-October	Absent. No suitable habitat within the Study Area.
Birds						
Redhead <i>(Aythya americana)</i>	–	–	SSC	Nests in emergent wetlands with open water (Northeastern California), winters throughout California	April-August	Absent. No suitable habitat within the Study Area.
Yellow-billed cuckoo <i>(Coccyzus americanus)</i>	FT	CE	BCC	Breeds in California, Arizona, Utah, Colorado, and Wyoming. In California, they nest along the upper	June 15- August 15	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				Sacramento River and the South Fork Kern River from Isabella Reservoir to Canebrake Ecological Reserve. Other known nesting locations include Feather River (Butte, Yuba, Sutter counties), Prado Flood Control Basin (San Bernardino and Riverside counties), Amargosa River and Owens Valley (Inyo County), Santa Clara River (Los Angeles County), Mojave River and Colorado River (San Bernardino County). Nests in riparian woodland. Winters in South America.		
California black rail (<i>Laterallus jamaicensis coturniculus</i>)	–	CT	BCC, CFP	Salt marsh, shallow freshwater marsh, wet meadows, and flooded grassy vegetation. In California, primarily found in coastal and Bay-Delta communities, but also in Sierran foothills (Butte, Yuba, Nevada, Placer counties)	March-September (breeding)	Absent. No suitable habitat within the Study Area.
Willet (<i>Tringa semipalmata</i>)	–	–	BCC	Breeds locally in interior of western North America. In California, breeding range includes the Klamath Basin and Modoc Plateau and portions of Mono and possibly Inyo counties.	April-August	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				Breeding habitat includes prairies, Breeds in wetlands and grasslands on semiarid plains; in uplands near brackish or saline wetlands; prefers temporary, seasonal, and alkali wetlands over semipermanent and permanent wetlands.		
Double-crested cormorant (<i>Nannopterum auritum</i>)	–	–	CDFW WL	Nests near ponds, lakes, artificial impoundments, slow-moving rivers, lagoons, estuaries, and open coastlines and typically forages in shallow water. Non-nesters are found in many coastal and inland waters.	April-August	Absent. No suitable habitat within the Study Area.
Black tern (<i>Chlidonias niger</i>)	–	–	SSC	Breeding range includes northeastern California, Central Valley, Great Plains of U.S. and Canada; winters in Central and South America; nesting habitat includes shallow freshwater marsh with emergent vegetation, prairie sloughs, lake margins, river islands, and cultivated rice fields.	May-August	Absent. No suitable habitat within the Study Area.
American white pelican (<i>Pelecanus erythrorhynchos</i>)	–	–	SSC	Nests on isolated islands in freshwater lakes, and forages on inland marshes, lakes, rivers. Winters on coastal bays, inlets,	March-July (nest)	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				and estuaries, and rarely inland.		
Osprey (nesting) <i>(Pandion haliaetus)</i>	–	–	CDFW WL	Nesting habitat requires close proximity to accessible fish, open nest site free of mammalian predators, and extended ice-free season. The nest in large trees, snags, cliffs, transmission/communication towers, artificial nest platforms, channel markers/buoys.	March-September	Absent. No suitable habitat within the Study Area.
White-tailed kite (nesting) <i>(Elanus leucurus)</i>	–	–	CFP	Nesting occurs within trees in low elevation grassland, agricultural, wetland, oak woodland, riparian, savannah, and urban habitats.	March-August	Potential to Occur. Mature trees in and immediately adjacent to the Study Area represent potential nesting habitat.
Golden eagle (nesting and wintering) <i>(Aquila chrysaetos)</i>	–	–	BCC, CFP	Nesting habitat includes mountainous canyon land, rimrock terrain of open desert and grasslands, riparian, oak woodland/savannah, and chaparral. Nesting occurs on cliff ledges, riverbanks, trees, and human-made structures (e.g., windmills, platforms, and transmission towers). Breeding occurs throughout California, except the immediate coast, Central Valley floor, Salton Sea region, and the Colorado River	Nest (February-August); winter CV (October-February)	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area

Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				region, where they can be found during winter.		
Northern harrier (<i>Circus hudsonius</i>)	–	–	SSC	Nests on the ground in open wetlands, marshy meadows, wet/lightly grazed pastures, (rarely) freshwater/brackish marshes, tundra, grasslands, prairies, croplands, desert, shrub-steppe, and (rarely) riparian woodland communities.	April-September	Absent. No suitable habitat within the Study Area.
Cooper's hawk (nesting) (<i>Accipiter cooperii</i>)	–	–	CDFW WL	Nests in trees in riparian woodlands in deciduous, mixed and evergreen forests, as well as urban landscapes	March-July	Potential to Occur. Mature trees in and immediately adjacent to the Study Area represent potential nesting habitat.
Bald eagle (nesting and wintering) (<i>Haliaeetus leucocephalus</i>)	Delisted	CE	CFP, BCC	Typically nests in forested areas near large bodies of water in the northern half of California; nest in trees and rarely on cliffs; wintering habitat includes forest and woodland communities near water bodies (e.g., rivers, lakes), wetlands, flooded agricultural fields, open grasslands.	February – September (nesting); October-March (wintering)	Absent. No suitable habitat within the Study Area.
Swainson's hawk (nesting) (<i>Buteo swainsoni</i>)	–	CT	BCC	Nesting occurs in trees in agricultural, riparian, oak woodland, scrub, and urban landscapes. Forages over	March-August	Low Potential to Occur. There is no suitable nesting or foraging habitat in the Study Area, but marginal nesting

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				grassland, agricultural lands, particularly during disking/ harvesting, irrigated pastures		habitat is present in adjacent trees on the golf course and in the open space preserves within the vicinity of the Study Area.
Ferruginous hawk (wintering) (<i>Buteo regalis</i>)	–	–	BCC, CDFW WL	Rarely breeds in California (Lassen County); winter range includes grassland and shrubsteppe habitats from Northern California (except northeast and northwest corners) south to Mexico and east to Oklahoma, Nebraska, and Texas.	September-March	Absent. No suitable habitat within the Study Area.
Burrowing owl (burrow sites) (<i>Athene cunicularia</i>)	–	–	BCC, SSC	Nests in burrows or burrow surrogates in open, treeless, areas within grassland, steppe, and desert biomes. Often with other burrowing mammals (e.g., prairie dogs, California ground squirrels). May also use human-made habitat such as agricultural fields, golf courses, cemeteries, roadside, airports, vacant urban lots, and fairgrounds.	February-August	Absent. No suitable habitat within the Study Area.
Lewis' woodpecker (nesting) (<i>Melanerpes lewis</i>)	–	–	BCC	In California, breeds in Siskiyou and Modoc Counties, Warner Mountains, inner coast ranges from Tehama to San Luis Obispo Counties, San Bernardino Mountains, and Big Pine Mountain	April-September (breeding); September-March (winter in Central Valley).	Absent. This species does not nest in the region.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				(Inyo County); nesting habitat includes open ponderosa pine forest, open riparian woodland, logged/ burned forest, and oak woodlands. Does not breed on the west side of Sierran crest (Beedy and Pandalfino 2013).		
Nuttall's woodpecker (<i>Picoides nuttallii</i>)	–	–	BCC	Resident from northern California south to Baja California. Nests in tree cavities in oak woodlands and riparian woodlands.	April-July	Potential to Occur. Mature oak trees in median represent potential nesting habitat.
Merlin (<i>Falco columbarius</i>)	–	–	CDFW WL	Breeds in Oregon, Washington north into Canada. Winters in southern Canada to South America, including California. Breeds near forest openings, fragmented woodlots, and riparian areas. Wintering habitat includes wide variety, open forests, grasslands, tidal flats, plains, and urban settings	September-April (wintering in the Central Valley); does not breed in California	Absent. No suitable habitat within the Study Area.
American peregrine falcon (<i>Falco peregrinus anatum</i>)	Delisted	Delisted	BCC, CFP	In California, breeds in coastal region, northern California, and Sierra Nevada. Nesting habitat includes cliff ledges and human-made ledges on towers and buildings. Wintering habitat includes areas where there are large concentrations of	CA Residents nest in February-June	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				shorebirds, waterfowl, pigeons or doves.		
Prairie falcon <i>(Falco mexicanus)</i>	–	–	BCC, CDFW WL	Found in open habitat at all elevations up to 3,350 meters (Steenhof 2013). Nests on cliffs and bluffs in arid plains and steppes; In California, nesting throughout state except northwest corner, along immediate coast, and the Central Valley floor. Winters throughout California, in open habitats, such as grasslands in Central Valley.	March-July (breeding); September-February (wintering in Central Valley)	Absent. No suitable habitat within the Study Area.
Olive-sided flycatcher <i>(Contopus cooperi)</i>	–	–	SSC, BCC	Nests in montane and northern coniferous forests, in forest openings, forest edges, semiopen forest stands. In California, nests in coastal forests, Cascade and Sierra Nevada region. Winters in Central to South America.	May-August	Absent. No suitable habitat within the Study Area.
Willow flycatcher <i>(Empidonax traillii)</i>	–	CE	BCC	In California, breeding range includes Cascade-Sierra Nevada region (<i>brewsteri</i> subspecies); <i>extimus</i> subspecies found in southern California; nesting habitat includes moist, shrubby riparian willow thickets, often with standing or running water. Winters	May-September	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				in Central and South America.		
Loggerhead shrike (<i>Lanius ludovicianus</i>)	–	–	BCC, SSC	Found throughout California in open country with short vegetation, pastures, old orchards, grasslands, agricultural areas, open woodlands. Not found in heavily forested habitats.	March-July	Absent. No suitable habitat within the Study Area.
Yellow-billed magpie (nesting) (<i>Pica nuttalli</i>)	–	–	BCC	Endemic to California; found in the Central Valley and coast range south of San Francisco Bay and north of Los Angeles County; nesting habitat includes oak savannah with large in large expanses of open ground; also found in urban parklike settings.	April-June	Potential to Occur. Mature trees in median represent potential nesting habitat.
Oak titmouse (<i>Baeolophus inornatus</i>)	–	–	BCC	Nests in tree cavities within dry oak or oak-pine woodland and riparian; where oaks are absent, they nest in juniper woodland, open forests (gray, Jeffrey, Coulter, pinyon pines and Joshua tree).	March-July	Potential to Occur. Mature trees in median represent potential nesting habitat.
California horned lark (<i>Eremophila alpestris actia</i>)	–	–	CDFW WL	San Joaquin Valley, coast range from Sonoma County south to Baja California; grassland, agricultural,	March-July	Absent. No suitable habitat within the Study Area.
Bank swallow (nesting)	–	CT	–	Nests colonially along coasts, rivers, streams, lakes, reservoirs, and	May-July	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
<i>(Riparia riparia)</i>				wetlands in vertical banks, cliffs, and bluffs in alluvial, friable soils. May also nest in sand, gravel quarries and road cuts. In California, breeding range includes northern and central California.		
Purple martin (nesting) <i>(Progne subis)</i>	–	–	SSC	In California, breeds along coast range, Cascade-northern Sierra Nevada region and isolated population in Sacramento. Nesting habitat includes montane forests, Pacific lowlands with dead snags; the isolated Sacramento population nests in weep holes under elevated highways/ bridges. Winters in South America.	May-Aug	Absent. No suitable habitat within the Study Area.
Song sparrow "Modesto" <i>(Melospiza melodia heermanni)</i>	–	–	BCC, SSC	Resident in central and southwest California, including Central Valley; nests in marsh, scrub habitat	April-June	Absent. No suitable habitat within the Study Area.
Yellow-breasted chat <i>(Icteria virens)</i>	–	–	SSC	In California, breeds in Klamath Mountains, inner Northern Coast Range south to San Francisco Bay, locally distributed from Santa Clara County south to San Diego County Sacramento and San Joaquin valleys, along west slope of Sierra	May-August	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				Nevada from the Feather River to Kern River, Mono and Inyo counties. In the west, nesting habitat includes dense riparian and shrubby.		
Yellow-headed blackbird (<i>Xanthocephalus xanthocephalus</i>)	–	–	SSC	In California, breeds in the Great Basin region, along the Colorado River south to Baja California, Salton Sea, Kern, Ventura, Riverside, San Diego and possibly Orange, and Lake counties, and locally in the Central Valley, Nests are constructed over deep water in emergent vegetation of prairie wetlands, quaking aspen parklands, mountain meadows, forest edges, large lakes.	April-July	Absent. No suitable habitat within the Study Area.
Tricolored blackbird (nesting colony) (<i>Agelaius tricolor</i>)	–	–	BCC, SSC	Breeds locally west of Cascade-Sierra Nevada and southeastern deserts from Humboldt and Shasta counties south to San Bernardino, Riverside and San Diego counties. Central California, Sierra Nevada foothills and Central Valley, Siskiyou, Modoc and Lassen counties. Nests colonially in freshwater marsh, blackberry bramble, milk thistle, triticale	March-August	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				fields, weedy (e.g., mustard, mallow) fields, giant cane, safflower, stinging nettles, tamarisk, riparian scrublands and forests, fiddleneck and fava bean fields.		
Common yellowthroat <i>(Geothlypis trichas sinuosa)</i>	–	–	BCC, SSC	Breeds in salt marshes of San Francisco Bay; winters San Francisco south along coast to San Diego County.	March-July	Absent. No suitable habitat within the Study Area.
Yellow warbler <i>(Setophaga petechia)</i>	–	–	SSC, BCC	Breeding range includes most of California, except Central Valley (isolated breeding locales on Valley floor, Stanislaus, Colusa, and Butte counties), Sierra Nevada range above tree line, and southeastern deserts. Nesting habitat includes riparian vegetation near streams and meadows. Winters in Mexico south to South America.	May-August	Absent. No suitable habitat within the Study Area.
Grasshopper sparrow <i>(Ammodramus savannarum)</i>	–	–	SSC	In California, breeding range includes most coastal counties south to Baja California; western Sacramento Valley and western edge of Sierra Nevada region. Nests in moderately open grasslands and prairies with patchy bare ground. Avoids grasslands with	May-August	Absent. No suitable habitat within the Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (<i>Scientific Name</i>)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				extensive shrub cover; more likely to occupy large tracts of habitat than small fragments; removal of grass cover by grazing often detrimental.		
Mammals						
Pallid bat (<i>Antrozous pallidus</i>)	–	–	SSC	Caves, mines, buildings, rock crevices, trees.	April-September	Low Potential to Occur. Marginal suitable roosting habitat within Study Area.
Townsend's big eared bat (<i>Antrozous pallidus</i>)	–	–	SSC	Crevices in rocky outcrops and cliffs, caves, mines, trees (e.g., basal hollows of redwoods, cavities of oaks, exfoliating pine and oak bark, deciduous trees in riparian areas, and fruit trees in orchards). Also roosts in various human structures such as bridges, barns, porches, bat boxes, and human-occupied as well as vacant buildings (Western Bat Working Group [WBWG] 2017).	April-September	Low Potential to Occur. Marginal suitable roosting habitat adjacent to Study Area.
Western red bat (<i>Lasiurus blossevillii</i>)	–	–	SSC	Roosts in foliage of trees or shrubs; Day roosts are commonly in edge habitats adjacent to streams or open fields, in orchards, and sometimes in urban areas. There may be an association with intact riparian habitat	April-September	Absent. No suitable roosting habitat within Study Area.

Table 1. Evaluation of Special-Status Plant and Wildlife Species for the Project Area						
Common Name (Scientific Name)	Status			Habitat Description	Observation Period	Potential to Occur Onsite
	ESA	CESA	Other			
				(particularly willows, cottonwoods, and sycamores) (WBWG 2017).		
American badger (<i>Taxidea taxus</i>)	–	–	SSC	Drier open stages of most shrub, forest, and herbaceous habitats with friable soils.	Year-round resident (breeds summer-early fall).	Absent. No suitable habitat within the Study Area.

Status Codes:

- FESA Federal Endangered Species Act
- CESA California Endangered Species Act
- FE FESA listed, Endangered.
- FC Candidate for FESA listing as Threatened or Endangered
- FPD Listed under FESA, but formally proposed for delisting.
- FT FESA listed, Threatened.
- BCC USFWS Bird of Conservation Concern (USFWS 2021).
- CT CESA- or NPPA-listed, Threatened.
- CE CESA or NPPA listed, Endangered.
- CFP California Fish and Game Code Fully Protected Species (§ 3511-birds, § 4700-mammals, § 050-reptiles/amphibians).
- CDFW WL CDFW Watch List
- SSC CDFW Species of Special Concern (CDFW 2022).
- 1B CRPR/Rare or Endangered in California and elsewhere.
- 2B Plants rare, threatened, or endangered in California but more common elsewhere.
- 4 CRPR/Plants of Limited Distribution – A Watch List.
- 0.1 Threat Rank/Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- 0.2 Threat Rank/Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)
- Delisted Formally Delisted (delisted species are monitored for 5 years).

5.5.1 Plants

Fourteen special-status plant species were identified as having the potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and site reconnaissance, 11 species were determined to be absent from the Study Area due to the lack of suitable habitat. No further discussion of those species is provided in this assessment. Brief descriptions of the three special-status plants with the potential to occur within the Study Area is presented in the following sections.

Valley Brodiaea

Valley brodiaea (*Brodiaea rosea* ssp. *vallicola*) is not listed pursuant to either the federal or California ESAs, but is designated as a CRPR 4.2 species. This species is a bulbiferous perennial herb that occurs in old

alluvial terraces and silty, sandy, or gravelly soils in vernal pools, swales, and valley and foothill grassland. Valley brodiaea blooms from April through May (sometimes June) and is known to occur at elevations ranging from 35 to 1,100 feet above MSL. Valley brodiaea is endemic to California; the current range of this species includes Butte, Calaveras, Nevada, Placer, Sacramento, San Joaquin, Sutter, and Yuba counties (CNPS 2022).

There are no documented CNDDDB occurrence of valley brodiaea within 5 miles of the Study Area (CDFW 2022). The grassland within the staging area provides marginally suitable habitat for this species. Valley brodiaea has low potential to occur within the Study Area.

Stinkbells

Stinkbells (*Fritillaria agrestis*) is not listed pursuant to either the federal or California ESAs, but is designated as a CRPR 4.2 species. This species is a perennial bulbiferous herb that occurs in clay, sometimes serpentinite areas in chaparral, cismontane woodland, pinyon and juniper woodland, and valley and foothill grassland. Stinkbells bloom from March through June and is known to occur at elevations ranging from 35 to 5,100 feet above MSL. This species is endemic to California; its current range includes Alameda, Colusa, Contra Costa, Fresno, Kern, Kings, Mendocino, Merced, Monterey, Mariposa, Placer, Sacramento, Santa Barbara, San Benito, Santa Clara, San Luis Obispo, San Mateo, Stanislaus, Tuolumne, Ventura, and Yuba counties, and is considered to be extirpated from San Mateo County (CNPS 2022).

There is one documented CNDDDB occurrences of stinkbells within 5 miles of the Study Area (CDFW 2022). The grassland within the staging area provides marginal habitat for this species. Stinkbells has low potential to occur within the Study Area.

Bristly Leptosiphon

Bristly leptosiphon (*Leptosiphon acicularis*) is not listed pursuant to either the federal or California ESAs but is designated as a CRPR 4.2 species. This species is an annual herb that occurs in chaparral, cismontane woodland, coastal prairie, and valley and foothill grassland. Bristly leptosiphon blooms from April through July and is known to occur at elevations ranging from 180 to 4,920 feet above MSL. Bristly leptosiphon is endemic to California; the current range of this species includes Alameda, Butte, Colusa, Humboldt, Kern, Lake, Marin, Mendocino, Napa, Placer, San Benito, San Mateo, Santa Clara, Santa Cruz, Solano, Sonoma, and Yuba counties (CNPS 2022).

There is no documented CNDDDB occurrence of bristly leptosiphon within 5 miles of the Study Area (CDFW 2022). The grassland within the staging area provides marginal habitat for this species. Bristly leptosiphon has low potential to occur within the Project Area.

5.5.2 Invertebrates

Five special-status invertebrate species were identified as having potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and site reconnaissance, all of the species, conservancy fairy shrimp (*Branchinecta conservatio*), vernal pool fairy shrimp (*B. lynchi*), monarch butterfly

(*Danaus plexippus*), vernal pool tadpole shrimp (*Lepidurus packardii*), and valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) were determined to be absent due to an absence of suitable habitat. No further discussion of these species is provided in this assessment.

5.5.3 Fish

Four special-status fish species were identified as having potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and site reconnaissance, all four of these species, Pacific lamprey (*Entosphenus tridentatus*), delta smelt (*Hypomesus transpacificus*), Western River lamprey (*Lampetra ayresii*), and Steelhead (California Central Valley ESU, *Oncorhynchus mykiss*) were determined to be absent from the Project Area due to the lack of suitable habitat. No further discussion of these species is provided in this assessment.

5.5.4 Amphibians

One special-status amphibian species, western spadefoot (*Spea hammondi*), was identified as having the potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and site reconnaissance, western spadefoot was determined to be absent from the Study Area due to the lack of suitable habitat. No further discussion of these species is provided in this assessment.

5.5.5 Reptiles

Three special-status reptile species were identified as having potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and site reconnaissance, all three species, northwestern pond turtle (*Actinemys marmorata*), Blainville's coast horned lizard (*Phrynosoma blainvillii*), and giant garter snake (*Thamnophis gigas*) were determined to be absent due to an absence of suitable habitat. No further discussion of these species is provided in this assessment.

5.5.6 Birds

Thirty-six special-status bird species were identified as having potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and after the reconnaissance visit, 30 of these species were considered to be absent from the Study Area due to the lack of suitable wintering, foraging, and/or breeding habitat, or because the Study Area is outside of the current known range of the species. Brief descriptions of the remaining six species with the potential to occur within the Study Area are presented in the following sections.

White-tailed kite

White-tailed kite (*Elanus leucurus*) is not listed pursuant to either the California or federal ESAs; however, the species is fully protected pursuant to Section 3511 of the California Fish and Game Code. This species is a common resident in the Central Valley and the entire length of the California coast, and all areas up to the Sierra Nevada foothills and southeastern deserts (Dunk 2020). In northern California, white-tailed kite nesting occurs from March through early August, with nesting activity peaking from March through June. Nesting occurs in trees within riparian, oak woodland, savannah, and agricultural communities that are

near foraging areas such as low elevation grasslands, agricultural, meadows, farmlands, savannahs, and emergent wetlands (Dunk 2020).

There is one documented CNDDDB occurrence of white-tailed kite within 5 miles of the Study Area (CDFW 2022). Mature trees in and immediately adjacent to the Study Area represent potential nesting habitat. White-tailed kite has potential to nest within the Study Area.

Cooper's hawk

The Cooper's hawk (*Accipiter cooperii*) is not listed pursuant to either the California or federal ESA's, however, it is a CDFW *watch list* species and is currently tracked in the CNDDDB. Typical nesting and foraging habitats include riparian woodland, dense oak woodland, and other woodlands near water. Cooper's hawk nest throughout California from Siskiyou County to San Diego County and includes the Central Valley (Rosenfield et al. 2020). Breeding occurs during March through July, with a peak from May through July.

There are no documented CNDDDB occurrences of Cooper's hawk within 5 miles of the Study Area (CDFW 2022). Mature trees in and immediately adjacent to the Study Area represent potential nesting habitat. Cooper's hawk has potential to nest within the Study Area.

Swainson's Hawk

The Swainson's hawk (*Buteo swainsoni*) is listed as a threatened species and is protected pursuant to the California ESA. This species nests in North America (Canada, western U.S., and Mexico) and typically winters from South America north to Mexico. However, a small population has been observed wintering in the Sacramento-San Joaquin River Delta (Bechard et al. 2020). In California, the nesting season for Swainson's hawk ranges from mid-March to late August. Swainson's hawks nest within tall trees in a variety of wooded communities including riparian, oak woodland, roadside landscape corridors, urban areas, and agricultural areas, among others. Foraging habitat includes open grassland, savannah, low-cover row crop fields, and livestock pastures. In the Central Valley, Swainson's hawks typically feed on a combination of California vole (*Microtus californicus*), California ground squirrel (*Otospermophilus beecheyi*), ring-necked pheasant (*Phasianus colchicus*), many passerine birds, and grasshoppers (*Melanopulus* species). Swainson's hawks are opportunistic foragers and will readily forage in association with agricultural mowing, harvesting, disking, and irrigating (Estep 1989). The removal of vegetative cover by such farming activities results in more readily available prey items for this species.

There are five documented CNDDDB occurrence of Swainson's hawk within 5 miles of the Study Area (CDFW 2022). There is no suitable nesting or foraging habitat in the Study Area, but marginal nesting habitat is present in adjacent trees on the golf course and in the open space preserves. Swainson's hawk has potential to nest within the vicinity of the Study Area.

Nuttall's Woodpecker

The Nuttall's woodpecker (*Dryobates nuttallii*) is not listed and protected under either state or federal ESAs but is considered a USFWS BCC. They are resident from Siskiyou County south to Baja California.

Nuttall's woodpeckers nest in tree cavities primarily within oak woodlands, but also can be found in riparian woodlands (Lowther et al. 2020). Breeding occurs during April through July.

There are no documented CNDDDB occurrence of Nuttall's Woodpecker within 5 miles of the Study Area (CDFW 2022). Mature oak trees in median represent potential nesting habitat. Nuttall's woodpecker has potential to nest within the Study Area.

Yellow-billed Magpie

The yellow-billed magpie (*Pica nuttallii*) is not listed pursuant to either the California or federal ESAs but is considered a USFWS BCC. This endemic species is a yearlong resident of the Central Valley and Coast Ranges from San Francisco Bay to Santa Barbara County. Yellow-billed magpies build large, bulky nests in trees in a variety of open woodland habitats, typically near grassland, pastures or cropland. Nest building begins in late-January to mid-February, which may take up to 6 to 8 weeks to complete, with eggs laid during April-May, and fledging during May-June (Koenig and Reynolds 2020). The young leave the nest at about 30 days after hatching (Koenig and Reynolds 2020). Yellow-billed magpies are highly susceptible to West Nile Virus, which may have been the cause of death to thousands of magpies during 2004-2006 (Koenig and Reynolds 2020).

There are no documented CNDDDB occurrences of yellow-billed magpie within 5 miles of the Study Area (CDFW 2022). Mature trees in median represent potential nesting habitat. Yellow-billed magpie has potential to nest within the Study Area.

Oak Titmouse

Oak titmouse (*Baeolophus inornatus*) are not listed and protected under either state or federal ESAs but are considered a USFWS BCC. Oak titmouse breeding range includes southwestern Oregon south through California's Coast, Transverse and Peninsular ranges, western foothills of the Sierra Nevada, into Baja California; they are absent from the humid northwestern coastal region and the San Joaquin Valley (Cicero et al. 2020). They are found in dry oak or oak-pine woodlands but may also use scrub oaks or other brush near woodlands (Cicero et al. 2020). Nesting occurs during March through July.

There are no documented CNDDDB occurrences of oak titmouse within 5 miles of the Study Area (CDFW 2022). Mature trees in median represent potential nesting habitat. Oak titmouse has potential to nest within the Study Area.

5.5.7 Mammals

Four special-status mammal species were identified as having potential to occur within the Study Area based on the literature review (Table 4). Upon further analysis and after the reconnaissance visit, two of those species, American badger (*Taxidea taxus*) and western red bat (*Lasiurus blossevillii*), were considered to be absent due to the lack of suitable habitat. A brief description of the remaining species with the potential to occur within the Study Area is presented in the following section.

Townsend's Big Ear Bat

Townsend's big-eared bats (*Corynorhinus townsendii*) are not listed pursuant to either the California or federal ESAs; however, it is designated as a SSC by the CDFW and a United States Department of Agriculture Forest Service sensitive species. This species is found in all alpine and subalpine habitats throughout California, and may be found any season throughout its range (Zeiner et al. 1990). Roosting habitat includes caves, tunnels, mines, buildings, bridges and other manufactured structures (Zeiner et al. 1990). Maternity roosts are found in caves, tunnels, mines, and buildings in small groups (usually fewer than 100 individuals) of females and young (Zeiner et al. 1990). Maternity colonies are in warmer parts of caves with males apparently solitary during the maternity period (Harvey et al. 2011). Townsend's big-eared bat will return each year to roosting sites (Harvey et al. 2011). Mating occurs during autumn and continues into winter with one offspring born in June (Harvey et al. 2011).

There are no documented CNDDDB occurrences Townsend's big ear bat within 5 miles of the Study Area (CDFW 2022). Crevices in existing bridge overpass adjacent to the Study Area provide marginal suitable roosting habitat. Townsend's big ear bat has low potential to occur within the Study Area.

Pallid Bat

Pallid bats (*Antrozous pallidus*) are not listed pursuant to either the California or federal ESAs; however, it is designated as an SSC by the CDFW and a United States Department of Agriculture Forest Service sensitive species. Their range extends from British Columbia to central Mexico (Harvey et al. 2011). Pallid bat has a strong association with arid regions with rocky outcrops near water (Harvey et al. 2011). Roosting usually occurs in rock crevices and buildings, but is also found in tree cavities, caves, mines, and piles of rocks (Harvey et al. 2011). Pallid bat roosts in small colonies of 20 or more individuals (Harvey et al. 2011). This species will give birth to one to two offspring in May or June (Harvey et al. 2011).

There are no documented CNDDDB occurrences of pallid bat within 5 miles of the Study Area (CDFW 2022). Crevices in existing bridge overpass adjacent to the Study Area provide marginal suitable roosting habitat. Pallid bat has low potential to occur within the Study Area.

5.6 Sensitive Natural Communities

Six sensitive natural communities were identified as having the potential to occur within the Study Area based on the literature review: Alkali Meadow, Alkali Seep, Northern Claypan Vernal Pool, Northern Hardpan Vernal Pool, Northern Volcanic Mud Flow Vernal Pool, and Valley Needlegrass Grassland (CDFW 2022) (Attachment A). None of these communities were found to occur during the site assessment.

5.7 Wildlife Movement/Corridors and Nursery Sites

The Study Area is located among developed residential and commercial landscapes. The majority of the Study Area is within an existing road that is heavily trafficked on a daily basis. These areas are not expected to support significant wildlife movement corridors.

For the purpose of this analysis, nursery sites include but are not limited to concentrations of nest or den sites such as heron rookeries or bat maternity roosts. This data is available through CDFW's Biogeographic Information and Observation System database or as occurrence records in the CNDDDB and is supplemented with the results of the field reconnaissance. No nursery sites have been documented within the Study Area (CDFW 2022) and none were observed during the site reconnaissance.

5.8 Critical Habitat

The Study Area is not designated Critical Habitat for any federally listed species. (USFWS Information for Planning and Conservation 2022)

5.9 Protected Trees

There are several oak trees within the median portion of the Study Area that may be protected by the City of Roseville Tree Preservation Ordinance. An Arborist survey (Level 2 – Basic Visual Assessment) has been completed (Attachment C). In total, 63 trees were inventoried during the survey and a total of 46 trees were found to be protected trees as defined by the City's Tree Preservation Ordinance. The City of Roseville defines a *Protected Tree* as any native oak tree equal to or greater than 6 inches in diameter dbh, measured as a total of a single trunk or multiple trunks. Based on the Arborist assessment, a total of 43 trees located within the existing center median are recommended for removal. Of these, 37 are *protected* native oak trees with a combined dbh of 446 inches.

6.0 IMPACT ANALYSIS

This section specifically addresses the questions raised by the CEQA - *Appendix G Environmental Checklist Form, IV. Biological Resources*. This section also identifies the appropriate recommendations to reduce potential impacts of the actions to less than significant. The recommendations are described in detail in Section 7.0.

6.1 Special Status Species, Designated Critical Habitat and Essential Fish Habitat

Would the Project result in effects, either directly or through habitat modifications, to species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS?

The Project would result in temporary disturbance to upland areas and trees within the median that may provide habitat for special-status species within the Study Area. Potential impacts include temporary disturbance associated with staging, disturbance to trees in the median during removal and construction. The Project would also result in temporary impacts to the annual grassland in the staging area associated within equipment staging. The Project should not adversely affect any special status species with recommendations described below. Impacts by species or habitat group are summarized below.

6.1.1 Impacts to Special-Status Plants

There is marginal habitat for three CRPR 4 species (i.e., valley brodiaea, stinkbells, and bristly leptosiphon) within the designated staging area; these species have low potential to occur. Minor temporary impacts associated with equipment staging and vehicle access are anticipated in the staging area. The Project is not anticipated to have significant adverse effects to special-status plants given the small amount of marginal habitat present, the low likelihood for these species to occur, and the minor temporary impacts of construction staging.

6.1.2 Impacts to Special-Status Birds

Construction activities, including tree removal, have potential to impact nesting birds if present within or adjacent to the construction activities. Implementation of recommendations BIRD1 outlined in Section 7.2.1 would minimize potential effects to special-status birds.

6.1.3 Impacts to Special-Status Bats

Construction activities adjacent to the bridge overpass could result in impacts to roosting bats if present. Implementation of recommendations BAT1 outlined in Section 7.7.2 would further reduce the potential for effects to special status bats.

6.2 Riparian Habitat and Sensitive Natural Communities

Would the Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

The Study Area does not support any riparian habitat or sensitive natural communities. The Project would not have an adverse effect on riparian habitat or sensitive natural communities.

6.3 Aquatic Resources, Including Waters the U.S. and State

Would the Project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

The Study Area does not support any aquatic resources. The Project would not have an adverse effect on federally protected wetlands.

6.4 Wildlife Movement/Corridors and Nursery Sites

Would the Project 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?

The Study Area is located among developed residential and commercial landscapes and an existing road. These areas are not expected to support significant wildlife movement corridors therefore the Project would not interfere with wildlife movement.

No nursery sites, as described above, have been documented within the Study Area (CDFW 2022) and none were observed during the site reconnaissance.

6.5 Local Policies, Ordinances, and Other Plans

Does the Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

The Project is required to comply with the City's Tree Preservation Ordinance (*Roseville Municipal Code Chapter 19.66 Tree Preservation*). The City's Tree Ordinance regulates removal of native oaks and construction activities that occur within a native oak's protected zone (defined as the drip line plus 1 foot). Consistent with ordinance requirements, an Arborist Report has been prepared for the Project. Implementation of Recommendation TREES1 will reduce potential significant impacts associated with removal of protected trees.

Does the Project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

The Study Area is not currently covered by any local, regional, or state conservation plan. While the Study Area is within the vicinity of the Placer County Conservation Program (PCCP), the City of Roseville is not a participating entity in the PCCP and the Study Area is excluded from the PCCP development area (PCCP 2020) Therefore, the Project would not conflict with a local, regional, or state conservation plan.

7.0 RECOMMENDATIONS

7.1 General Recommendations

The following general measure is recommended:

BIO1: The Project will implement erosion control measures and Best Management Practices to reduce the potential for sediment or pollutants at the Project site. Measures may include the following:

- Construction fencing will be placed around the outer edge of the staging areas and work areas. prior to commencement of construction activities. If applicable, erosion control measures will be placed at the outer edge of the staging and work areas. Such identification and erosion control measures will be properly maintained until construction is completed and the soils have been stabilized.
- Fiber rolls used for erosion control will be certified by the California Department of Food and Agriculture as weed-free.

- Seed mixtures applied for erosion control will not contain California Invasive Plant Council-designated invasive species (<http://cal-ipc.org/>) and will be composed of native species appropriate for the site.
- Trash generated onsite will be promptly and properly removed from the site.
- Any fueling in the upland portion of the Study Area will use appropriate secondary containment techniques to prevent spills.
- A qualified biologist will conduct a mandatory Worker Environmental Awareness Program for all contractors, work crews, and any onsite personnel on the potential for special status species to occur on the Project site. The training will provide an overview of habitat and characteristics of the species, the need to avoid certain areas, and the possible penalties for non-compliance.

7.2 Special-Status Species

Recommendations to minimize impacts to special-status species or habitats are summarized below by species group.

7.2.1 Special-Status Birds and Migratory Bird Treaty Act-Protected Birds (Including Nesting Raptors)

The following measure is recommended to minimize potential impacts to nesting birds:

BIRD1: To protect nesting birds, no Project activity shall begin from February 1 through August 31 unless the following surveys are completed by a qualified wildlife biologist. Separate surveys and avoidance requirements are listed below for all nesting birds and raptors, and Swainson's hawk.

- All Nesting Birds - Within 14 days prior to construction (or less if recommended by CDFW), survey for nesting activity of birds within each Project work area and a 100-foot radius. Any active nests observed shall be designated a sensitive area and protected by an avoidance buffer established in coordination with CDFW until the breeding season has ended or until a qualified biologist has determined that the young have fledged and are no longer reliant upon the nest or parental care for survival.
- Raptors – Within 14 days prior to construction, survey for nesting activity of birds of prey within each Project work area and a 500-foot radius. Any active nests observed, shall be designated a sensitive area and protected by an avoidance buffer established in coordination with CDFW until the breeding season has ended or until a qualified biologist has determined that the young have fledged and are no longer reliant upon the nest or parental care for survival.
- Swainson's hawk – Within 14 days prior to construction, survey for nesting activity of Swainson's hawk within each Project work area and a 0.25-mile radius. Any active nests observed shall be designated a sensitive area and protected by an avoidance

buffer established in coordination with CDFW until the breeding season has ended or until a qualified biologist has determined that the young have fledged and are no longer reliant upon the nest or parental care for survival.

7.2.2 Special-Status Bats

The following measure is recommended to minimize potential impacts to roosting bats:

BAT1: Within 14 days of construction, a qualified biologist will survey for all suitable roosting habitat (e.g., manufactured structures, trees) proposed for removal. If suitable roosting habitat is identified and proposed for removal, a qualified biologist will conduct an evening bat emergence survey, which may include acoustic monitoring to determine if bats are present. If roosting bats are found, consultation with CDFW prior to initiation of construction activities may be required. If bats are not found during the preconstruction surveys, no further measures are necessary.

7.2.3 Protected Trees

TREES1: Any tree removals identified during construction would be added to the Project's tree permit and mitigated consistent with City ordinance requirements. Mitigation measures for the removed trees would be required to conform to the City of Roseville's Ordinance 19.66.070 *Oak Tree Planting and Replacement Program*. Trees must be replaced at ratio of 1 inch diameter at standard height (DSH) of tree replaced for each 1 inch DSH of tree removed (1:1 ratio). This may be achieved with on- or offsite replacement, or payment of in-lieu fees. The replacement trees shall have a combined diameter equivalent not less than the total diameter of the tree(s) removed. A minimum of 50 percent of the replacement requirement shall be met by native oaks. Up to 50 percent may be met by nonnative species (Attachment C – Arborist Report)

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LIST OF ATTACHMENTS

Attachment A – Special Status Species Searches

Attachment B – Representative Site Photos

Attachment C – Arborist Report

ATTACHMENT A

Special Status Species Searches



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad< IS > (Folsom (3812162)< OR > Citrus Heights (3812163)< OR > Roseville (3812173)< OR > Rocklin (3812172)< OR > Lincoln (3812183)< OR > Gold Hill (3812182)< OR > Rio Linda (3812164)< OR > Pleasant Grove (3812174)< OR > Sheridan (3812184))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Accipiter cooperii</i> Cooper's hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	150 150	118 S:1	0	1	0	0	0	0	1	0	1	0	0
<i>Acipenser medirostris pop. 1</i> green sturgeon - southern DPS	G2T1 S1	Threatened None	AFS_VU-Vulnerable IUCN_NT-Near Threatened	87 87	13 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Agelaius tricolor</i> tricolored blackbird	G1G2 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	24 414	955 S:26	4	4	0	0	3	15	10	16	23	3	0
<i>Alkali Meadow</i> Alkali Meadow	G3 S2.1	None None		175 175	8 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Alkali Seep</i> Alkali Seep	G3 S2.1	None None		150 150	10 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Ammodramus savannarum</i> grasshopper sparrow	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	155 155	27 S:1	0	1	0	0	0	0	1	0	1	0	0
<i>Andrena subapasta</i> An andrenid bee	G1G2 S1S2	None None		160 170	5 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Antrozous pallidus</i> pallid bat	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	92 250	420 S:2	0	1	0	0	0	1	1	1	2	0	0
<i>Ardea alba</i> great egret	G5 S4	None None	CDF_S-Sensitive IUCN_LC-Least Concern	30 350	43 S:4	2	1	0	0	1	0	3	1	3	1	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Ardea herodias</i> great blue heron	G5 S4	None None	CDF_S-Sensitive IUCN_LC-Least Concern	30 350	156 S:9	5	1	1	0	1	1	7	2	8	1	0
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	10 130	2011 S:13	1	3	4	0	0	5	3	10	13	0	0
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	125 165	51 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Branchinecta conservatio</i> Conservancy fairy shrimp	G2 S2	Endangered None	IUCN_EN-Endangered	100 100	53 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	G3 S3	Threatened None	IUCN_VU-Vulnerable	20 320	795 S:80	9	21	10	2	1	37	28	52	79	0	1
<i>Buteo swainsoni</i> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	18 290	2548 S:28	6	6	0	0	1	15	8	20	27	1	0
<i>Chloropyron molle ssp. hispidum</i> hispid salty bird's-beak	G2T1 S1	None None	Rare Plant Rank - 1B.1	150 150	35 S:1	0	1	0	0	0	0	1	0	1	0	0
<i>Clarkia biloba ssp. brandegeae</i> Brandegee's clarkia	G4G5T4 S4	None None	Rare Plant Rank - 4.2 SB_UCSC-UC Santa Cruz	270 700	89 S:3	0	0	0	0	0	3	2	1	3	0	0
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	G5T2T3 S1	Threatened Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive	20 20	165 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	725 725	635 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	G3T2T3 S3	Threatened None		60 575	271 S:20	4	1	3	1	2	9	11	9	18	2	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Downingia pusilla</i> dwarf downingia	GU S2	None None	Rare Plant Rank - 2B.2	28 270	132 S:29	2	13	4	3	3	4	19	10	26	1	2
<i>Elanus leucurus</i> white-tailed kite	G5 S3S4	None None	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern	25 400	184 S:16	5	7	1	0	0	3	13	3	16	0	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	50 500	1404 S:8	1	2	1	0	1	3	6	2	7	1	0
<i>Falco columbarius</i> merlin	G5 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	130 130	37 S:1	1	0	0	0	0	0	0	1	1	0	0
<i>Fritillaria agrestis</i> stinkbells	G3 S3	None None	Rare Plant Rank - 4.2	40 130	32 S:4	0	1	1	0	2	0	4	0	2	2	0
<i>Gonidea angulata</i> western ridged mussel	G3 S1S2	None None		20 20	157 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	G2 S2	None Endangered	Rare Plant Rank - 1B.2 BLM_S-Sensitive	65 290	99 S:5	0	2	0	0	3	0	4	1	2	1	2
<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	G2? S2?	None None		140 140	13 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Juncus leiospermus var. ahartii</i> Ahart's dwarf rush	G2T1 S1	None None	Rare Plant Rank - 1B.2	135 135	13 S:1	0	0	1	0	0	0	1	0	1	0	0
<i>Juncus leiospermus var. leiospermus</i> Red Bluff dwarf rush	G2T2 S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive USFS_S-Sensitive	110 110	62 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Lasionycteris noctivagans</i> silver-haired bat	G3G4 S3S4	None None	IUCN_LC-Least Concern WBWG_M-Medium Priority		139 S:2	0	0	0	0	0	2	2	0	2	0	0



Summary Table Report

California Department of Fish and Wildlife California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Laterallus jamaicensis coturniculus</i> California black rail	G3T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List	119 480	303 S:3	2	0	0	0	0	1	0	3	3	0	0
<i>Legenere limosa</i> legenere	G2 S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_UCBG-UC Botanical Garden at Berkeley	35 150	83 S:6	0	2	1	0	2	1	5	1	4	0	2
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	G4 S3S4	Endangered None	IUCN_EN-Endangered	35 300	329 S:7	1	0	1	0	2	3	6	1	5	2	0
<i>Linderiella occidentalis</i> California linderiella	G2G3 S2S3	None None	IUCN_NT-Near Threatened	20 520	508 S:59	2	10	6	0	0	41	34	25	59	0	0
<i>Melospiza melodia pop. 1</i> song sparrow ("Modesto" population)	G5T3?Q S3?	None None	CDFW_SSC-Species of Special Concern	20 120	92 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Nannopterum auritum</i> double-crested cormorant	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	150 150	39 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Navarretia myersii ssp. myersii</i> pincushion navarretia	G2T2 S2	None None	Rare Plant Rank - 1B.1	160 275	16 S:2	0	1	0	0	0	1	1	1	2	0	0
<i>Northern Claypan Vernal Pool</i> Northern Claypan Vernal Pool	G1 S1.1	None None		35 35	21 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	G3 S3.1	None None		50 270	126 S:9	0	0	0	0	0	9	9	0	9	0	0
<i>Northern Volcanic Mud Flow Vernal Pool</i> Northern Volcanic Mud Flow Vernal Pool	G1 S1.1	None None		165 400	7 S:5	0	0	0	0	0	5	5	0	5	0	0
<i>Oncorhynchus mykiss irideus pop. 11</i> steelhead - Central Valley DPS	G5T2Q S2	Threatened None	AFS_TH-Threatened		31 S:3	0	0	0	2	0	1	0	3	3	0	0
<i>Orcuttia viscida</i> Sacramento Orcutt grass	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	240 270	12 S:3	0	1	1	0	1	0	1	2	2	0	1



Summary Table Report
California Department of Fish and Wildlife
California Natural Diversity Database



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Pandion haliaetus</i> osprey	G5 S4	None None	CDF_S-Sensitive CDFW_WL-Watch List IUCN_LC-Least Concern	575 575	504 S:1	0	0	1	0	0	0	0	1	1	0	0
<i>Progne subis</i> purple martin	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	50 216	71 S:2	0	1	1	0	0	0	0	2	2	0	0
<i>Riparia riparia</i> bank swallow	G5 S2	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	75 100	298 S:2	0	2	0	0	0	0	2	0	2	0	0
<i>Sagittaria sanfordii</i> Sanford's arrowhead	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	30 180	143 S:6	2	2	1	0	1	0	3	3	5	1	0
<i>Spea hammondi</i> western spadefoot	G2G3 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	93 260	1422 S:13	0	8	1	1	0	3	4	9	13	0	0
<i>Taxidea taxus</i> American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	450 450	594 S:1	0	0	0	1	0	0	0	1	1	0	0
<i>Thamnophis gigas</i> giant gartersnake	G2 S2	Threatened Threatened	IUCN_VU-Vulnerable	15 30	373 S:4	0	0	0	2	0	2	2	2	4	0	0
<i>Valley Needlegrass Grassland</i> Valley Needlegrass Grassland	G3 S3.1	None None		270 270	45 S:1	0	0	0	0	0	1	1	0	1	0	0

**Attachment A-2
California Native Plant Society 9-uad Results**

ScientificName	CommonName	Family	Lifeform	CRPR	GRank	SRank	Other Status	CESA	FESA	Blooming Period	Habitat	Micro Habitat	Notes	Taxonomy	Other	Full ScientificName	Synonyms	ElementCode	USDA Plants Symbol	DateAdded	LastUpdate
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.1	G2T1	S1		None	None	Jun-Sep	Meadows and seeps, Playas, Valley and foothill grassland	Alkaline	Apparently extirpated from much of the lower San Joaquin Valley. Threatened by agricultural conversion, development, and grazing. See Brittonia 25:135-158 (1973) for revised nomenclature.			Chloropyron molle ssp. hispidum (Pennell) Tank & J.M. Egger	Cordylanthus mollis ssp. hispidus	PDSCR0J0D1		1/1/1974	10/4/2021
Balsamorhiza macrolepis	big-scale balsamroot	Asteraceae	perennial herb	1B.2	G2	S2	BLM_S; USFS_S	None	None	Mar-Jun	Chaparral, Cismontane woodland, Valley and foothill grassland	Serpentine (sometimes)	Threatened by grazing. Potentially threatened by residential or recreational development. Possibly threatened by energy development and non-native plants. See Annals of the Missouri Botanical Garden 22:132 (1935) for original description.			Balsamorhiza macrolepis	Balsamorhiza macrolepis var. macrolepis	PDAST11061	BAMA3	1/1/1974	8/25/2021
Downingia pusilla	dwarf downingia	Campanulaceae	annual herb	2B.2	GU	S2		None	None	Mar-May	Valley and foothill grassland, Vernal pools		Threatened by urbanization, development, agriculture, grazing, non-native plants, vehicles, and industrial forestry.			Downingia pusilla	Downingia humilis	PDCAM060C0	DOPU3	1/1/1980	5/26/2021
Sagittaria sanfordii	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	1B.2	G3	S3	BLM_S	None	None	May-Oct(Nov)	Marshes and swamps		Extirpated from southern California, and mostly extirpated from the Central Valley. Several SAC Co. occurrences not relocated during fieldwork in 2005. Threatened by grazing, development, recreational activities, non-native plants, road widening, and channel alteration and maintenance. See Pittonia 2:158 (1890) for original description.			Sagittaria sanfordii		PMALI040Q0	SASA2	1/1/1984	5/26/2021
Fritillaria agrestis	stinkbells	Liliaceae	perennial bulbiferous herb	4.2	G3	S3		None	None	Mar-Jun	Chaparral, Cismontane woodland, Pinyon and juniper woodland, Valley and foothill grassland	Clay, Serpentine (sometimes)	Most populations small. Threatened by development, grazing, and vehicles. Possibly threatened by non-native plants.			Fritillaria agrestis		PMLILOV010	FRAG	1/1/1980	1/5/2022
Gratiola heterosepala	Boggs Lake hedge-hyssop	Plantaginaceae	annual herb	1B.2	G2	S2	BLM_S	CE	None	Apr-Aug	Marshes and swamps, Vernal pools	Clay	Threatened by agriculture, development, grazing, trampling, and vehicles. Known from one occurrence in OR, where state listed as Threatened. Lassen NF has adopted species management guidelines. See Madrono 12(5):150-152 (1954) for original description.			Gratiola heterosepala		PDSCR0R060	GRHE	1/1/1974	1/5/2022
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Juncaceae	annual herb	1B.2	G2T1	S1		None	None	Mar-May	Valley and foothill grassland		Known from approximately 10 occurrences. Threatened by development. See Memoirs of the New York Botanical Garden 39:49 (1986) for original description.			Juncus leiospermus var. ahartii B. Ertter		PMJUN011L1	JULEA	1/1/1984	1/5/2022

**Attachment A-2
California Native Plant Society 9-uad Results**

ScientificName	CommonName	Family	Lifeform	CRPR	GRank	SRank	Other Status	CESA	FESA	Blooming Period	Habitat	Micro Habitat	Notes	Taxonomy	Other	Full ScientificName	Synonyms	ElementCode	USDA Plants Symbol	DateAdded	LastUpdate
Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	Juncaceae	annual herb	1B.1	G2T2	S2	BLM_S; USFS_S	None	None	Mar-Jun	Chaparral, Cismontane woodland, Meadows and seeps, Valley and foothill grassland, Vernal pools	Vernally Mesic				Juncus leiospermus var. leiospermus		PMJUN011L2	JULEL	1/1/1974	3/1/2022
Legenere limosa	legenere	Campanulaceae	annual herb	1B.1	G2	S2	BLM_S; SB_UCBG	None	None	Apr-Jun	Vernal pools		Many historical occurrences extirpated. Threatened by grazing, road widening, non-native plants, and development. See Pittonia 2:81 (1890) for original description, North American Flora 32(1):13-14 (1943) for revised nomenclature, and Wasmann Journal of Biology 33(1-2):91 (1975) for distributional information.			Legenere limosa		PDCAM0C010	LELI	1/1/1974	5/26/2021
Orcuttia viscida	Sacramento Orcutt grass	Poaceae	annual herb	1B.1	G1	S1	SB_CalBG /RSABG	CE	FE	Apr-Jul(Sep)	Vernal pools		Seriously threatened by agriculture, urbanization, overgrazing, vehicles, and non-native plants. Protected in part at Phoenix Field ER (DFG). See Bulletin of the Torrey Botanical Club 68(3):155 (1941) for original description, and American Journal of Botany 69:1082-1095 (1982) for taxonomic treatment.			Orcuttia viscida	Orcuttia californica var. viscida	PMPOA4G07	ORVI2	1/1/1974	5/26/2021
Leptosiphon acicularis	bristly leptosiphon	Polemoniaceae	annual herb	4.2	G4?	S4?		None	None	Apr-Jul	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland		Historical occurrences need verification. Does plant occur in CCA Co.?	A synonym of Linanthus acicularis; TJM(1993).		Leptosiphon acicularis	Linanthus acicularis	PDPLM09010	LEAC11	1/1/1994	3/1/2022
Navarretia myersii ssp. myersii	pincushion navarretia	Polemoniaceae	annual herb	1B.1	G2T2	S2		None	None	Apr-May	Vernal pools	Acidic (often)	Threatened by development. Possibly threatened by non-native plants. See Novon 3(4):337 (1993) for original description.			Navarretia myersii ssp. myersii	Navarretia myersii	PDPLM0C0X1	NAMYM	1/1/1994	3/1/2022
Clarkia biloba ssp. brandegeeeae	Brandegee's clarkia	Onagraceae	annual herb	4.2	G4G5T4	S4	SB_UCSC	None	None	May-Jul	Chaparral, Cismontane woodland, Lower montane coniferous forest	Roadsides (often)	Previously CRPR 1B.2; more common than originally known. Threatened by weed control measures, non-native plants, road maintenance, fire suppression, and development. See University of California Publications in Botany 2:334 (1907) for original description and 20(4):323 (1955) for revised nomenclature.			Clarkia biloba ssp. brandegeeeae (Jeps.) Lewis & Lewis		PDONA05053	CLBIB	1/1/2001	11/5/2021

**Attachment A-2
California Native Plant Society 9-uad Results**

ScientificName	CommonName	Family	Lifeform	CRPR	GRank	SRank	Other Status	CESA	FESA	Blooming Period	Habitat	Micro Habitat	Notes	Taxonomy	Other	Full ScientificName	Synonyms	ElementCode	USDA Plants Symbol	DateAdded	LastUpdate
Brodiaea rosea ssp. vallicola	valley brodiaea	Themidaceae	perennial bulbiferous herb	4.2	G5T3	S3		None	None	Apr-May(Jun)	Valley and foothill grassland, Vernal pools	Alluvial Terraces, Gravelly, Sandy, Silt	Threatened by urbanization. Previously assigned to B. coronaria; differentiated by staminodes strongly inrolled, tapering to an apex vs. staminodes flat to incurved, uniformly wide from base to obtuse apex in B. coronaria. Similar to B. rosea ssp. rosea, but with perianth always violet, most floral characters longer, and with a disjunct distribution in non-serpentine habitats along the eastern edge of the Great Valley. See Systematic Botany 38(4):1012-1028 (2013) for original description.			Brodiaea rosea ssp. vallicola R.E. Preston		PMLILOCOK2		1/7/2019	6/3/2021

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Placer County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📅 (916) 414-6713

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
<p>Giant Garter Snake <i>Thamnophis gigas</i></p> <p>Wherever found</p> <p>No critical habitat has been designated for this species.</p> <p>https://ecos.fws.gov/ecp/species/4482</p>	Threatened

Fishes

NAME	STATUS
<p>Delta Smelt <i>Hypomesus transpacificus</i></p> <p>Wherever found</p> <p>There is final critical habitat for this species. The location of the critical habitat is not available.</p> <p>https://ecos.fws.gov/ecp/species/321</p>	Threatened

Insects

NAME	STATUS
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>Wherever found</p> <p>No critical habitat has been designated for this species.</p> <p>https://ecos.fws.gov/ecp/species/9743</p>	Candidate

Valley Elderberry Longhorn Beetle *Desmocerus californicus dimorphus*

Threatened

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<https://ecos.fws.gov/ecp/species/7850>

Crustaceans

NAME

STATUS

Conservancy Fairy Shrimp *Branchinecta conservatio*

Endangered

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<https://ecos.fws.gov/ecp/species/8246>

Vernal Pool Fairy Shrimp *Branchinecta lynchi*

Threatened

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<https://ecos.fws.gov/ecp/species/498>

Vernal Pool Tadpole Shrimp *Lepidurus packardii*

Endangered

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<https://ecos.fws.gov/ecp/species/2246>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Bald Eagle *Haliaeetus leucocephalus*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Breeds Jan 1 to Aug 31

Common Yellowthroat *Geothlypis trichas sinuosa*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/2084>

Breeds May 20 to Jul 31

Golden Eagle *Aquila chrysaetos*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1680>

Breeds Jan 1 to Aug 31

Nuttall's Woodpecker *Picoides nuttallii*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
<https://ecos.fws.gov/ecp/species/9410>

Breeds Apr 1 to Jul 20

Oak Titmouse *Baeolophus inornatus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
<https://ecos.fws.gov/ecp/species/9656>

Breeds Mar 15 to Jul 15

Olive-sided Flycatcher *Contopus cooperi*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
<https://ecos.fws.gov/ecp/species/3914>

Breeds May 20 to Aug 31

Tricolored Blackbird *Agelaius tricolor*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
<https://ecos.fws.gov/ecp/species/3910>

Breeds Mar 15 to Aug 10

Willet *Tringa semipalmata*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

Yellow-billed Magpie *Pica nuttalli*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
<https://ecos.fws.gov/ecp/species/9726>

Breeds Apr 1 to Jul 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

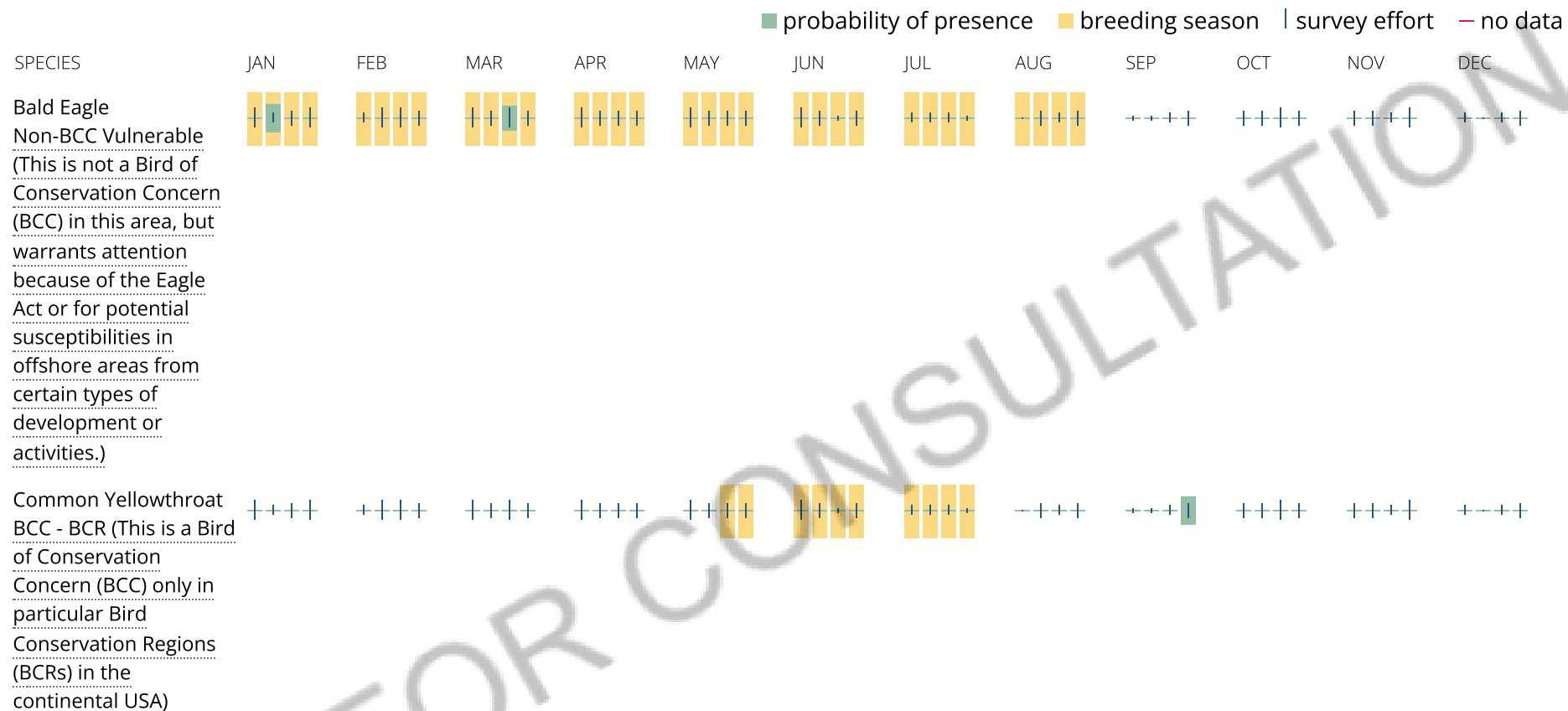
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (-)

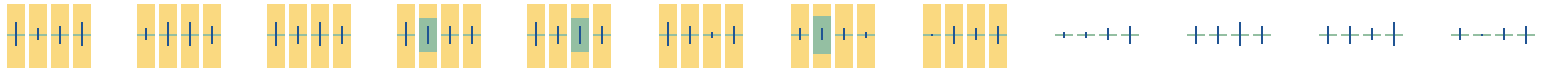
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Golden Eagle
 Non-BCC Vulnerable
 (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)



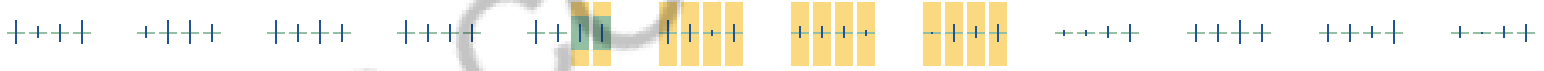
Nuttall's Woodpecker
 BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)

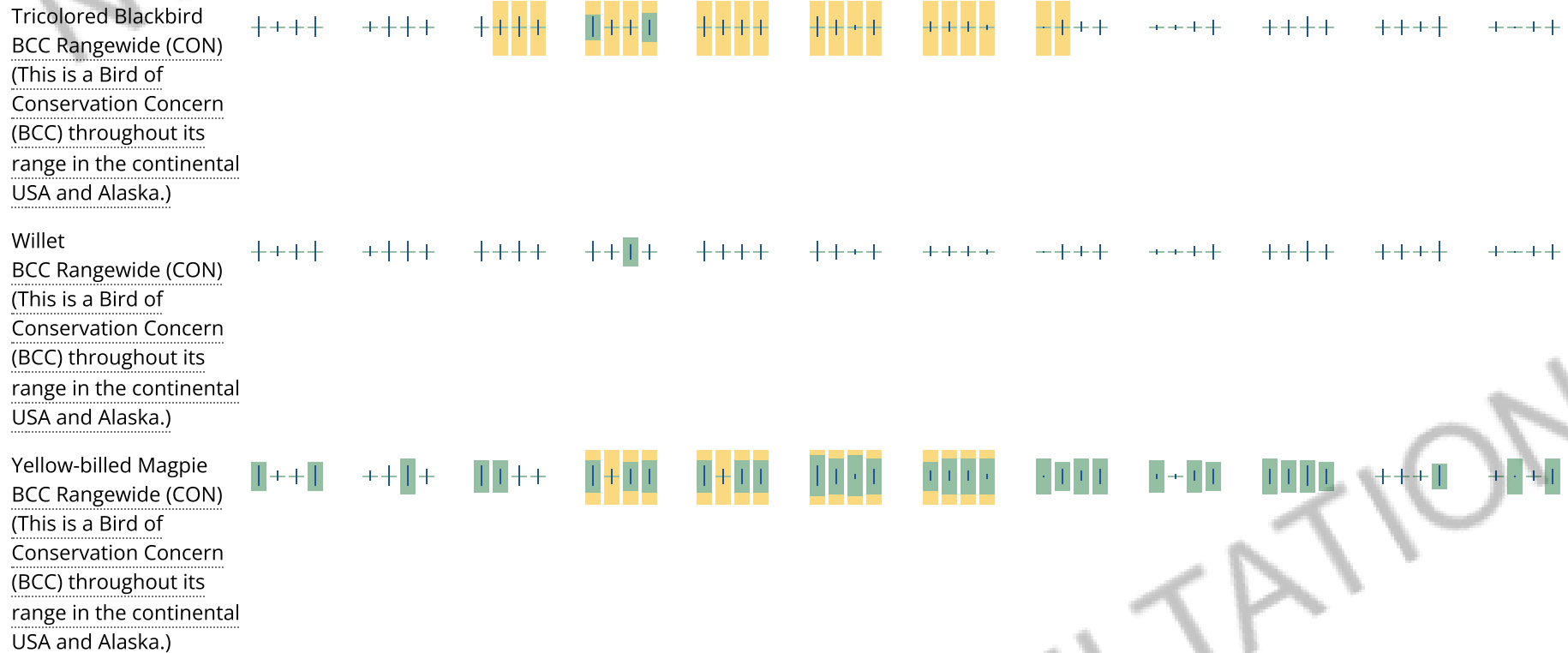


Oak Titmouse
 BCC Rangewide (CON)
 (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Olive-sided Flycatcher
 BCC Rangewide (CON)
 (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are

a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Coastal Barrier Resources System

Projects within the [John H. Chafee Coastal Barrier Resources System](#) (CBRS) may be subject to the restrictions on federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local [Ecological Services Field Office](#) or visit the [CBRA Consultations website](#). The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

THERE ARE NO KNOWN COASTAL BARRIERS AT THIS LOCATION.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the [official CBRS maps](#). The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: <https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June	Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Gloabl Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
	<i>Spea hammondi</i>	western spadefoot	173	2/5 mile		None	None	G2G3	S3	NEAR THE INTERSECTION OF WOODCREEK OAKS BLVD AND PLEASANT GROVE BLVD, WOODCREEK OAKS SUBDIVISION IN WESTERN ROSEVILLE.	MAPPED TO DESCRIPTION GIVEN (TOWNSHIP, SECTION AND ELEVATION DON'T MATCH SITE DESCRIPTION).	GRASSLAND WITH NUMEROUS VERNAL POOLS AND SWALES.	Unknown	LAND HAS BEEN DEVELOPED SINCE OBSERVATION.	30+ METAMORPHS OBSERVED IN A DRYING INTERMITTENT DRAINAGE, 1990.	1130889.852	-10 N4292560 E64	11N, R06E, Sec. 29 (N)	20000112
	<i>Linderiella occidentalis</i>	California linderiella	90	1/5 mile		None	None	G2G3	S2S3	BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; 1.8 KM WEST OF SOUTHERN PACIFIC RR AT HWY 65.	14 WATER BODIES WERE SAMPLED ON 2/9,10,27 & 3/14/95. LINDERIELLA WAS FOUND IN THIS POOL & 2 OTHERS ON 2/9/95. IN 5 POOLS ON 2/10, IN 1 POOL ON 2/27 & 1 POOL ON 3/14/95. THE LOCATIONS OF THE OTHER POOLS WAS NOT GIVEN.	HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. ON 2/9/95 THE SURFACE AREA WAS 129 SQ METERS & THE DEPTH WAS 16 CM. WETLAND COMPENSATION/MITIGATION PRESERVE.	Unknown		POOL #C2: >50 ADULTS OBSERVED. ALSO FOUND IN POOLS 49, C1, 06, 26, E2, N2, 102, 15, & 30. THE INFORMATION PROVIDED BY THE CONSULTANT HAS CONFLICTING DATA ON LOCATION OF THIS POOL; SITE WAS MAPPED ACCORDING TO THEIR MAP, NOT THEIR T-R-S.	281379.7639	-10 N4292533 E64	11N, R06E, Sec. 29, SE	19951011
	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	24	1/5 mile		Endangered	None	G4	S3S4	BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; ABOUT 0.6 MILE SW OF FOOTHILLS BLVD AT PLEASANT GROVE BLVD.	AKA WOODCREEK OAKS MITIGATION SITE. 1993: EXACT DETECTION LOCATION UNKNOWN; SOMEWHERE IN TRS SEC 29. 1995: MAPPED TO LOCATION GIVEN FOR POOL C2 ON MAP IN SUGNET REPORTS; SPECIMEN LOCALITY GIVEN AS "NW 1/4 OF SW 1/4 SECTION 28, T11N R06E."	1993: MANMADE VERNAL POOL. 1995: HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND ON WETLAND COMPENSATION/MITIGATION PRESERVE. AIR PHOTOS SINCE THE TIME OF SURVEY SHOW DEVELOPMENT IN VICINITY.	Unknown	DEVELOPMENT.	FOUND IN 1 POOL ON 4 FEB 1993. FOUND IN 1 OF 14 BASINS SAMPLED FEB-MAR 1995; 3 COLLECTED (CASIZ #103128). FWS 5-YEAR PLAN DESCRIBED OCCURRENCE AS LIKELY EXTIRPATED IN 2007 (P. BALFOUR, PERS. COMM.)	281379.7639	-10 N4292533 E64	11N, R06E, Sec. 29, SE	20170228
	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	45	specific area		Threatened	None	G3	S3	BETWEEN KASEBERG & S BRANCH PLEASANT GROVE CKS; FROM ABOUT 0.1MI NNW-0.4MI SE PLEASANT GROVE BLVD AT COUNTRY CLUB DR.	N OF PLEASANT GROVE BLVD: WOODCREEK OAKS MITIGATION SITE. MAPPED TO POOL C2 PER LOCATION ON MAP FROM 1995 REPORT & POINTS FROM 2013 SHAPEFILE & FIELD SURVEY FORM. S OF BLVD: SILVERADO OAKS SITE, 1995 LOC UNKNOWN, MAPPED TO 2013 SHAPEFILE.	1995: NATURAL AND CONSTRUCTED HARDPAN VERNAL POOLS IN ANNUAL NON-NATIVE GRASSLAND ON WETLAND COMPENSATION/MITIGATION PRESERVES. 2013: CONSTRUCTED VERNAL POOLS SURROUNDED BY DEVELOPMENT.	Unknown	IMPROPER GRAZING REGIME (2013).	S OF BLVD: DETECTED, 1995. FOUND IN 1 POOL, 2010. IN 2 POOLS, 2012. N OF BLVD: IN 1 OF 14 POOLS, FEB-MAR 1995; 1 ADULT COLLECTED, IN CAS (CASIZ #103127). ADULTS IN 1 POOL, JAN 2013; BRANCHINECTA CYSTS FOUND IN DRY-SEASON SAMPLES, 2013.	94866.1482	-10 N4292464 E64	11N, R06E, Sec. 28, SE	20141229
	<i>Linderiella occidentalis</i>	California linderiella	390	specific area		None	None	G2G3	S2S3	OPEN AREA BETWEEN RESIDENTIAL HOUSING NE OF COUNTRY CLUB DR AT ACTON WAY, CENTERED ABOUT 2.2 MI NW OF ROSEVILLE PO.	1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO#390, THIS OCCURRENCE) & 72 (EO#111). PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND.	Unknown		LINDERIELLA OCCIDENTALIS OBSERVED IN CONSTRUCTED VERNAL POOLS SOMETIME BETWEEN 6 FEB AND 2 MAR 1995.	58281.87376	-10 N4292153 E64	11N, R06E, Sec. 33, NW	20110429
	<i>Downingia pusilla</i>	dwarf downingia	141	specific area	2B.2	None	None	GU	S2	SOUTH OF PLEASANT GROVE BLVD, ABOUT 300 FT EAST OF COUNTY CLUB DRIVE, ROSEVILLE.	UNDERNEATH TRANSMISSION LINES, 180 FT SOUTH OF THE EAST-WEST BIKE PATH THROUGH THE OPEN SPACE. MAPPED ACCORDING TO 2013 PIMENTEL COORDINATES AND 2014 HUDDLESTON COORDINATES, WITHIN THE FAR NW 1/4 OF SECTION 33.	POOL DOMINATED BY ELEOCHARIS MACROSTACHYA. ASSOCIATED WITH DOWNINGIA BICORNUTA, POLYPOGON MONSPELIENSIS, FESTUCA PERENNIS, CALLITRICH MARGINATA, PILULARIA AMERICANA, CRASSULA AQUATICA, PSILOCARPHUS BREVISSIMUS, ERYNGIUM CASTRENSE, ETC.	Unknown	HUMAN VISITATION, FERAL ANIMALS, RUNOFF FROM SURROUNDING HOMES.	14,000 PLANTS OBSERVED IN 2013. FEWER THAN 100 PLANTS OBSERVED IN 2014; POPULATION DECLINE PRESUMABLY DUE TO THE UNUSUALLY DRY OVERALL SEASONAL CONDITIONS.	3961.500137	-10 N4292127 E64	11N, R06E, Sec. 33, NW	20180724
	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	155	non-specific area		Threatened	None	G3	S3	VICINITY OF FIDDYMENT RD, FROM PLEASANT GROVE BLVD TO ABOUT 3 MILES NORTH, ROSEVILLE.	MAPPED TO INCLUDE 1993 DETECTION LOCATIONS GIVEN AS T11N R6E SECTION 18 (SUGNET ID #91), T11N R5E SECTION 25 (SUGNET ID #89), AND BOUNDARY OF AREA SURVEYED IN 1997 IN SECTIONS 19 AND 30. EXACT LOCATIONS UNKNOWN.	AERIAL PHOTOS INDICATE DEVELOPMENT IN THE VICINITY OF THE 1993 DETECTIONS; HABITAT MAY HAVE BEEN LOST. 1997: A MITIGATION AREA WITH SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED POOLS IN ANNUAL GRASSLAND/OAK WOODLAND.	Unknown	THREATENED BY DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).	FOUND IN 3 OF 3 BASINS SAMPLED IN SEC 18, 16 JAN 1993. FOUND IN 5 OF 31 BASINS SAMPLED IN SEC 25, 27 JAN 1993. FOUND IN 71 BASINS, 16 JAN 1997.	10323729.69	-10 N4294468 E64	11N, R06E, Sec. 19 (N)	20140819
	<i>Linderiella occidentalis</i>	California linderiella	157	non-specific area		None	None	G2G3	S2S3	EAST OF FIDDYMENT ROAD, WEST OF FOOTHILLS BLVD, AND NORTH OF BASELINE ROAD, NW OF ROSEVILLE.		HABITAT CONSISTS OF SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED VERNAL POOLS WITHIN A DESIGNATED WETLAND MITIGATION AREA. SURROUNDING UPLAND CONSISTS OF NON-NATIVE ANNUAL GRASSLAND/MIXED OAK WOODLAND.	Unknown	THREATENED BY SURROUNDING DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).	CALIFORNIA LINDERIELLA WERE IDENTIFIED WITHIN 83 (44%) OF THE CONSTRUCTED VERNAL POOLS & SEASONAL WETLANDS AND 4 (21%) OF THE REFERENCE VERNAL POOLS SEASONAL WETLANDS. BRANCHINECTA LYNCHI ALSO OBSERVED.	4789145.815	-10 N4293749 E64	11N, R06E, Sec. 30 (N)	19980610
	<i>Linderiella occidentalis</i>	California linderiella	111	specific area		None	None	G2G3	S2S3	SILVERADO OAKS MITIGATION SITE, NW OF THE WOODCREEK OAKS BLVD & JUNCTION BLVD JCT, ABOUT 3 MI WNW OF ROSEVILLE PO.	1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO #390) & 72 (EO#111, THIS OCCURRENCE). 1996: 10 SAMPLED. 1997: 13 SAMPLED. PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND. BRANCHINECTA LYNCHI ALSO OBSERVED IN AREA IN 1995, BUT NOT IN 1996 OR 1997.	Unknown		1995: UNKNOWN NUMBERS OF LINDERIELLA OBSERVED IN CONSTRUCTED POOLS IN PARCELS 32 & 72. 1996: >50 ADULTS OBSERVED IN CONSTRUCTED POOLS (VP106 & VP108). 1997: 10'S OBSERVED IN HVE & VP107, 1000'S OBSERVED IN VP106.	176583.0708	-10 N4291553 E64	11N, R06E, Sec. 32, NW	20110708
	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	304	specific area		Threatened	None	G3	S3	WOODCREEK WEST WETLAND COMPENSATION AREA, S SIDE OF PLEASANT GROVE RD FROM ABOUT 0.1 TO 0.6 MI E OF FIDDYMENT RD.	MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS. 2001: FOUND IN POOL 55. 2002: IN POOL 17. 2003: POOLS 8, 22, 49, & 55. 2005: IN POOL 22. 2007: IN "INCIDENTAL WETLAND." 2008: IN POOLS 13, 20, 30, 68, & 69.	ANNUAL GRASSLAND INTERSPERSED WITH CONSTRUCTED AND HISTORIC VERNAL POOLS. SURROUNDING LAND HAS BEEN DEVELOPED.	Unknown	AVAILABLE HABITAT REDUCED BY DEVELOPMENT.	OVER 10 FOUND IN 1 POOL, 2001. 10S IN 1 POOL, 2002. 10S-100S IN 4 POOLS, 2003. 10S FOUND IN 1 OF 22 POOLS, 2005. IN 1 POOL, 2007. IN 5 POOLS, FEB 2008. 0 FOUND IN 24 POOLS, FEB 2009. IN 1 POOL, FEB 2010. IN 1 POOL, APR 2012. IN 2, JAN 2013.	185796.4615	-10 N4291962 E64	11N, R06E, Sec. 31, NW	20141218

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June	Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
	<i>Spea hammondi</i>	western spadefoot	171	80 meters		None	None	G2G3	S3	TRIBUTARY TO KASEBERG CREEK, 1.3 MILES NE OF JCT BASE LINE & FIDDYMENT ROADS, ROSEVILLE.	5 CONSTRUCTED VERNAL POOLS AND TRIBUTARY TO KASEBERG CREEK. MAPPED TO SITE DESCRIPTION (ELEVATION GIVEN DOESN'T MATCH).	VERNAL POOLS AND INTERMITTENT CREEK. SURROUNDING LAND USE: MITIGATION SITE, VARIOUS DEVELOPMENTS.	Unknown	THREATENED BY INCREASED HYDROLOGY AND NON-NATIVE FISHES.	SEVERAL TADPOLES OBSERVED, 1991.	20027.77009	-10 N4291674 E64	N, R06E, Sec. 32, NW	20000120
	<i>Downingia pusilla</i>	dwarf downingia	142	specific area	2B.2	None	None	GU	S2	JUST NORTH OF THE INTERSECTION OF WOODCREEK OAKS BLVD AND JUNCTION BLVD, ROSEVILLE.	3 POLYGONS MAPPED ACCORDING TO 2013 VOLLMAR DIGITAL DATA, IN THE SOUTH 1/2 OF THE NW 1/4 OF SECTION 32.	VERNAL POOL ASSOCIATED WITH DOWNINGIA BICORNUTA, PSILOCARPUS BREVISSIMUS VAR. BREVISSIMUS, PLAGIOBOTHRYX STIPITATUS VAR. MICRANTHUS, RANUNCULUS BONARIENSIS, ETC.	Unknown		2010 POPULATION NUMBERS FOR POLYGONS FROM NORTH TO SOUTH: 1000, 50, AND 500+ PLANTS SEEN IN 2010. 100-500 PLANTS SEEN IN MIDDLE POLYGON IN 2013.	8859.086329	-10 N4291522 E64	N, R06E, Sec. 32, NW	20180724
	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	44	80 meters		Threatened	None	G3	S3	SILVERADO OAKS MITIGATION SITE, ABOUT 0.2 MI NW OF WOODCREEK OAKS BLVD AT JUNCTION BLVD AND 3 MI WNW OF ROSEVILLE PO.	1995: 15 WETLANDS SAMPLED AMONG PARCELS 72 (EO #44, THIS OCCURRENCE) & 32 (EO #635); EXACT DETECTION LOCATIONS UNKNOWN. 1996: 10 SAMPLED. 1997: 13 SAMPLED. MAPPED TO LOCATION OF 2010-2011 DETECTIONS FROM 2013 SHAPEFILE.	CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND. PROTECTED AREA, SURROUNDED BY RESIDENTIAL DEVELOPMENT.	Unknown		OBSERVED IN CONSTRUCTED VERNAL POOLS IN 1995. NO B. LYNCHI OBSERVED, BUT L. OCCIDENTALIS PRESENT, 1996 & 1997. DETECTED ON 16 FEB 2010 AND 3 MAR 2011.	20023.46183	-10 N4291527 E64	N, R06E, Sec. 32, NW	20141113
	<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	9	specific area	1B.2	None	None	G2	S2	UNCULTIVATED STRIP ALONG RAILROAD AND US HIGHWAY 99E, 3.2 MILES NORTH OF ROSEVILLE.	US HWY 99E WAS REPLACED BY CA HWY 65. HWY 65 WAS BUILT PARALLEL TO THE ROUTE OF HWY 99E, ABOUT 0.4 MILE EAST OF THE RAILROAD. MAPPED BY CNDDDB NON-SPECIFICALLY ALONG INDUSTRIAL AVE AND THE RAILROAD TRACKS AS A BEST GUESS.	OPEN VALLEY PLAIN.	Unknown	MUCH OF THIS AREA HAS BEEN DEVELOPED SINCE THE COLLECTIONS WERE MADE.	MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1957 CRAMPTON COLLECTION FROM 3.2 MILES NORTH OF ROSEVILLE ALONG HWY 99E. 1957 & 1958 FULLER COLLECTIONS FROM 2 MILES NORTH OF ROSEVILLE ALONG HWY 99E ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.	397507.8898	-10 N4295269 E64	N, R06E, Sec. 21, E	20130813
	<i>Lindieriella occidentalis</i>	California lindieriella	145	non-specific area		None	None	G2G3	S2S3	NORTHWEST OF ROSEVILLE, 2.0 KM NORTHWEST OF HIGHWAY 65 AT INDUSTRIAL BLVD.	HEWLETT PACKARD-210 ACRE PROPERTY. 1996: TOTAL OF 43 WATERBODIES SURVEYED.	SEASONAL WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) WITHIN NON-NATIVE ANNUAL GRASSLAND.	Unknown		1996: 50+ ADULTS OBSERVED IN 6 POOLS (148, 149, 150, 151, 152 & 153). AND <50 ADULTS OBSERVED IN POOL #129.	942754.3528	-10 N4294354 E64	N, R06E, Sec. 20, SE	19960716
	<i>Buteo swainsoni</i>	Swainson's hawk	791	80 meters		None	Threatened	G5	S3	KASEBERG CREEK, 0.75 MILE E OF FIDDYMENT ROAD AND 0.25 MILE N OF PLEASANT GROVE BOULEVARD, E SIDE OF ROSEVILLE.	NEST TREE WAS LOCATED IN WHAT BECAME THE NORTH EDGE OF AN OPEN SPACE CORRIDOR/GOLF COURSE IN 1996. MAPPED TO PROVIDED TOPO MAP.	HABITAT WAS A WOODLAND CORRIDOR ALONG KASEBERG CREEK. DEVELOPMENT BEGINNING IN THE MID-1990S CONTINUES TO REPLACE FORAGING & NESTING HABITAT. NEST SITE IS NOW WITHIN THE CITY OF ROSEVILLE PUBLIC GOLF COURSE, SURROUNDED BY DEVELOPMENT.	Decreasing	SURROUNDING SUBDIVISIONS & GOLF COURSE IN RIPARIAN CORRIDOR WERE CONSTRUCTED BEGINNING IN 1996. CONTINUING DEVELOPMENT.	NESTING INITIATED IN 1996 DURING GRADING BUT PRIOR TO CONSTRUCTION OF HOUSES; 2 YOUNG PRODUCED. NEST SITE VACANT IN 1997, THOUGH NEST TREE REMAINED WITHIN AN OPEN SPACE/GOLF COURSE. NO ACTIVITY IN 2000 & 2001; TERRITORY APPEARS ABANDONED.	20023.30135	-10 N4292639 E64	N, R06E, Sec. 30, SE	20130524
	<i>Lindieriella occidentalis</i>	California lindieriella	201	specific area		None	None	G2G3	S2S3	3 MILES NW OF ROSEVILLE, ALONG POWER LINES, 0.1 TO 0.8 MILE EAST OF FIDDYMENT ROAD.	WOODCREEK WEST WETLAND COMPENSATION AREA. ABOUT 25% OF THE POOLS WERE SAMPLED (22 IN 2001, 23 IN 2002, 22 IN 2005, 25 IN 2006 - BOTH CONSTRUCTED & HISTORIC). L. OCCIDENTALIS FOUND IN 14 OF 23 POOLS IN 2002 & 13 OF 22 POOLS IN 2005.	HABITAT CONSISTS OF CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN AN ANNUAL GRASSLAND HABITAT; WETLAND COMPENSATION AREA. SITE IS UNDER POWER LINES.	Unknown		2001: 10'S OBS IN POOLS 45 AND 55. 2002: 10'S OBS IN POOLS 21, 48, 51 AND 85; 100'S OBS IN POOLS 44, 70, 74 AND 86; 1000'S OBS IN POOLS 10, 17, 28, 46, 82 AND N2. 2005: 10'S-1000'S OBS IN 13 POOLS. 2006: 10'S-100'S OBS IN 19 POOLS.	189692.6151	-10 N4291961 E64	N, R06E, Sec. 31, N	20060327
	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	737	non-specific area		Threatened	None	G3	S3	VICINITY OF FOOTHILLS BLVD FROM BLUE OAKS BLVD SOUTH ABOUT 0.7 MILE, ROSEVILLE.	MAPPED GENERALLY TO TRS GIVEN FOR SPECIMENS, "NW 1/4 OF NE 1/4 SECTION 21" & "NW 1/4 OF SW 1/4 SECTION 21; T11N R6E." EXACT DETECTION LOCATIONS NOT KNOWN.	WETLAND FEATURE IN NE 1/4 WAS 95 SQ METERS, 17 CM DEEP. FEATURE IN SW 1/4 WAS 95 SQ METERS AND 14 CM DEEP.	Unknown		2 COLLECTED ON 31 JAN 1995 (CASIZ #103126). 1 COLLECTED ON 6 FEB 1995 (CASIZ #103125).	316516.6431	-10 N4294458 E64	N, R06E, Sec. 21 (N	20140821
	<i>Elanus leucurus</i>	white-tailed kite	56	80 meters		None	None	G5	S3S4	ON THE WEST SIDE OF THE SOUTH BRANCH OF PLEASANT GROVE CREEK, BETWEEN FOOTHILLS BLVD AND WOODCREEK OAKS BLVD, ROSEVILLE.	SITE IS LOCATED ALONG THE BORDER BETWEEN WOODCREEK GOLF COURSE AND HEWLETT-PACKARD.	HABITAT CONSISTS OF RIPARIAN/OAK WOODLAND, DOMINATED BY BLUE OAKS AND INTERIOR LIVE OAKS.	Unknown	THREATENED BY ENCROACHING DEVELOPMENT ALONG WOODCREEK OAKS BLVD.	SITE WAS VISITED WEEKLY, MAR JUL 1998; ADULT COURTSHIP TO 5 BEGGING FLEDGLINGS OBSERVED. KITES DID NOT NEST AT THIS LOCATION IN 1999, POSSIBLY DUE TO BOTH GREAT HORNED OWLS AND AMERICAN KESTRELS NESTING NEARBY.	20023.31214	-10 N4293858 E64	N, R06E, Sec. 20, SE	20000330
	<i>Downingia pusilla</i>	dwarf downingia	140	specific area	2B.2	None	None	GU	S2	SOUTHWEST SIDE OF ROSEVILLE PARKWAY, APPROXIMATELY 0.15 MILE NORTHWEST OF PLEASANT GROVE BLVD, ROSEVILLE.	MAPPED ACCORDING TO 2013 VOLLMAR DIGITAL DATA, WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 27.	VERNAL POOL ASSOCIATED WITH LASTHENIA FREMONTII, ERYNGIUM CASTRENSE, PLAGIOBOTHRYX STIPITATUS VAR. MICRANTHUS, AND LEONTODON TARAXACUM.	Unknown		FEWER THAN 10 PLANTS OBSERVED IN 2010.	2812.205382	-10 N4293707 E64	N, R06E, Sec. 27, NE	20180724
	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	5	specific area		None	None	G1	S1.1	LESS THAN 1 MILE NORTH OF DIAMOND OAKS MUNICIPAL GOLF COURSE, EAST OF HIGHWAY 65, ROCKLIN.	51 ACRES.	ON VOLCANIC SUBSTRATE. DICHLOSTEMMA LACUNA-VERNALIS PRESENT. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown	ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN.	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	253674.4704	-10 N4293935 E64	N, R06E, Sec. 27, NE	19980716
	<i>Lindieriella occidentalis</i>	California lindieriella	246	80 meters		None	None	G2G3	S2S3	NW OF THE JUNCTION OF PLEASANT GROVE BLVD AND ROSEVILLE PARKWAY, SOUTH OF HIGHWAY 65, ROSEVILLE.	HIGHLAND RESERVE SOUTH.	HABITAT CONSISTS OF A HISTORIC VERNAL POOL.	Unknown		100'S OBSERVED IN POOL WRR ON 21 JAN 2005.	20023.32404	-10 N4293785 E64	N, R06E, Sec. 27, NE	20051018
	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	68	specific area		None	None	G3	S3.1	ADJACENT TO SOUTH BRANCH (PLEASANT GROVE CREEK) ABOUT 1 MILE SW OF FIDDYMENT RANCH, ROSEVILLE.	TWO AREAS; 38 AC RANKED AS MEDIUM QUALITY BY WESCO, 1982, ZONED FORM AG IN 1977 ROSEVILLE GENERAL PLAN; 13 AC OF LOW QUALITY POOLS, ZONED RESIDENTIAL.	LOW TERRACE HARDPAN SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown		SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	207702.3334	-10 N4294389 E64	N, R06E, Sec. 20, S	19980715

**Attachment A-4
California Natural Diversity Database Search Results**

Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
Linderiella occidentalis	California linderiella	200	specific area		None	None	G2G3	S2S3	2.5 MILES NORTH ROSEVILLE, 0.4 MILE EAST OF INTERSECTION OF EAST ROSEVILLE PARKWAY AND WASHINGTON BLVD, WEST OF HWY 65.	HIGHLAND RESERVE SOUTH.	HABITAT CONSISTS OF PRESERVE WITH CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN A NON-NATIVE ANNUAL GRASSLAND. SURROUNDED BY URBAN AREAS AND DEVELOPMENT.	Unknown		100'S OF INDIVIDUALS OBSERVED WITHIN POOL #ND ON 4 JAN 2002, AND AN UNKNOWN NUMBER WERE OBSERVED IN POOLS #N92, N108, AND NL ON 12 AND 16 FEB 2004. 10'S OBS IN POOLS ND, N82, N87 ON 21 JAN 2005.	81197.05456	-10 N4294499 E64	N, R06E, Sec. 22, NE	20051017
Andrena subapasta	An andrenid bee	3	1 mile		None	None	G1G2	S1S2	ROSEVILLE.	RECORD DATES FROM 1932, SO OLDER AREA OF ROSEVILLE MAPPED.	FEMALES OF THIS SPECIES COLLECT POLLEN PRIMARILY FROM ARENARIA, BUT ALSO ORTHOCARPUS ERIANTHUS AND LASTHENIA SP.	Unknown		FEMALE COLLECTED 12 MAR 1932 BY E. FOURNESS, IN COLLECTION OF AMERICAN MUSEUM OF NATURAL HISTORY.	8042068.886	-10 N4290414 E64	N, R06E, Sec. 02 (N)	20120509
Downingia pusilla	dwarf downingia	37	specific area	2B.2	None	None	GU	S2	WEST OF HIGHWAY 65, ABOUT 0.5 AND 0.8 AIR MILE WEST OF JUNCTION WITH PLEASANT GROVE BLVD, NORTH OF ROSEVILLE.	3 POLYGONS MAPPED ACCORDING TO 1987 STROMBERG MAPS AND 2013 VOLLMAR DIGITAL DATA.	SHALLOW VERNAL POOLS ON COMETA-FIDDYMENT SOILS COMPLEX. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, CRASSULA AQUATICA, DOWNINGIA ORNATISSIMA, AND GRATIOLA EBRACTEATA.	Unknown	W POLYGON: SITE GRAZED, EXTIRPATED BY HOUSING DEVELOPMENT ACCORDING TO 2017 AERIAL IMAGERY.	WESTERN POLYGON: 7000+ PLANTS IN THREE VERNAL POOLS IN 1987, SITE WAS GRADED WHEN VISITED IN 1997. SEEN IN TWO EASTERN POLYGONS IN 2013.	25756.98776	-10 N4294654 E64	N, R06E, Sec. 22 (N)	20180724
Branchinecta lynchi	vernal pool fairy shrimp	42	specific area		Threatened	None	G3	S3	HIGHLAND RESERVE SOUTH OPEN SPACE JUST N & E OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE.	HIGHLAND RESERVE SOUTH. MAPPED TO LOCATIONS PROVIDED FOR OCCUPIED POOLS 5, 8, U22, U26, 27, LVP (=LC OR 11-2), FA, AZ, & Z089.	NATURAL HARDPAN VERNAL POOLS & CREATED POOLS IN ANNUAL GRASSLAND; COMPENSATION/MITIGATION SITE SURROUNDED BY DEVELOPMENT (2002). ON 31 JAN 1995 THE SURFACE AREA WAS 59 (U22) & 94 (U26) SQUARE METERS & THE DEPTH WAS 35 (U22) & 14 (U26) CM.	Fluctuating		FOUND IN 5 OF 32 POOLS, 1993. IN 2 POOLS, 1995 (2 IN CAS). 0 IN 1996. IN 5 POOLS, 1997. 0 IN 1998. IN 3 POOLS, 2001. IN 1 POOL, 2002 & 2003. 0 IN 2004 & 2005. IN 2 POOLS, 2006. IN 1 POOL, 2007 & 2008. IN 3 POOLS, 2009, IN 5 POOLS, 2012.	240041.1391	-10 N4292716 E64	N, R06E, Sec. 26, SW	20141229
Linderiella occidentalis	California linderiella	194	specific area		None	None	G2G3	S2S3	ALONG CREEK ON N EDGE OF DIAMOND OAKS MUNICIPAL GOLF COURSE, 1.7 MI N OF ROSEVILLE PO.	1997: SPECIES OBS IN 9 OF 17 POOLS SAMPLED. 1998: SP OBS IN 2 OF 9 POOLS SAMPLED. 1999: SP OBS IN 2 OF 11 POOLS SAMPLED. 2004: SP OBS IN 1 OF 11 POOLS SAMPLED. 2005: SP OBS IN 2 OF 10 POOLS SAMPLED. 2006: SP OBS IN 1 OF 12 POOLS SAMPLED.	CONSTRUCTED VERNAL POOLS (1.5 ACRES) IN AREA DOMINATED BY NON-NATIVE ANNUAL GRASSLAND SURROUNDED BY DEVELOPMENT. 1/8/98: VP7 SURFACE AREA 4X12 M, DEPTH 10 CM; VP10 SURFACE AREA 4X8 M, DEPTH 10 CM. 2/27/98: VP7 SURFACE AREA 4X16 M, DEPTH 16.	Stable		JAN 1997: 10S OBS IN 3 POOLS, 100S IN 3 POOLS, 1000S IN 3 POOLS. JAN & FEB 1998: 100S IN VP77, VP10 & VP7. MAR 1999: 1000S IN VP7 & VP16. FEB 2004: 100S IN POOL U15. JAN 2005: 100S IN POOL U18, 10S IN POOL U47. JAN 2006: 100S IN POOL U80.	116034.9993	-10 N4293039 E64	N, R06E, Sec. 26 (N)	20110708
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	67	specific area		None	None	G3	S3.1	JUST NORTH & EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE, SOUTH BRANCH PLEASANT GROVE CREEK.		POOLS ON LOW TERRACE HARDPAN SUBSTRATE. HIGH QUALITY POOLS W/ VARIETY OF POOL TAXA PRESENT, 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown		ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	295000.2484	-10 N4292642 E64	N, R06E, Sec. 26, SW	20010524
Branchinecta lynchi	vernal pool fairy shrimp	41	specific area		Threatened	None	G3	S3	HIGHLAND RESERVE SOUTH; S SIDE OF HWY 65, ABOUT 0.5 MILE NW OF THE PLEASANT GROVE BLVD OVERPASS.	PARCEL 84 OF A MULTI-PARCEL PRESERVE. MAPPED TO INCLUDE OCCUPIED POOLS N10, N42, N8, NA & NB.	CONSTRUCTED & HISTORIC VERNAL POOLS IN NON-NATIVE ANNUAL GRASSLAND ON A WETLAND COMPENSATION/MITIGATION PRESERVE SURROUNDED BY DEVELOPED LAND. IN 1995, POOL NB WAS 94 SQ METERS & 17 CM DEEP. LINDERIELLA OCCIDENTALIS ALSO FOUND.	Unknown		OVER 50 FOUND IN 1 POOL, 1995; 1 COLLECTED AND SENT TO CAS. TENS FOUND IN 1 POOL, 2000. HUNDREDS IN 3 POOLS, 4 JAN 2002. HUNDREDS IN 1 POOL, 29 JAN 2003. NOT FOUND ON THIS PARCEL IN 2005 & 2008. FOUND IN 2 POOLS, 13 FEB 2009.	52226.77481	-10 N4294775 E64	N, R06E, Sec. 22 (N)	20150105
Linderiella occidentalis	California linderiella	143	non-specific area		None	None	G2G3	S2S3	NNW OF ROSEVILLE, 1.8 KM SOUTHWEST OF SOUTHERN PACIFIC RAILROAD AT PLEASANT GROVE CREEK.	HEWLETT PACKARD-90 ACRE PARCEL. 1995 AND 1996: TOTAL OF 103 WATERBODIES SURVEYED EACH YEAR.	SEASONAL WATERBODIES WITHIN NON-NATIVE ANNUAL GRASSLAND.	Unknown		1995: LINDERIELLA OBSERVED IN 8 POOLS (#10, 16, 29, 59, 65, 69, 76 & 78) BETWEEN 12/22/1994 AND 3/7/1995. 1996: LINDERIELLA OBSERVED IN 3 POOLS (#10, 16 & 29) BETWEEN 12/26/1995 AND 2/5/1996.	473393.6442	-10 N4295210 E64	N, R06E, Sec. 21, NW	19960906
Linderiella occidentalis	California linderiella	227	80 meters		None	None	G2G3	S2S3	LOCATED BETWEEN HIGHWAY 65 AND ROSEVILLE PARKWAY, NW OF GIBSON DRIVE, ROSEVILLE.	HIGHLAND RESERVE SOUTH OPEN SPACE AREAS. POOLS LOCATED 0.28 MILE NORTH OF THE INTERSECTION OF ROSEVILLE PARKWAY AND GIBSON DRIVE, SOUTH SIDE OF DRAINAGE.	HABITAT CONSISTS OF A COMPENSATION (CONSTRUCTED) VERNAL POOL.	Unknown		10'S OBSERVED IN POOL E16 ON 20 FEB 2001.	20023.32507	-10 N4293944 E64	N, R06E, Sec. 23, SW	20040819
Linderiella occidentalis	California linderiella	187	non-specific area		None	None	G2G3	S2S3	1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE.	WOODCREEK NORTH OPEN SPACE PRESERVE/WETLAND COMPENSATION AREA.	HABITAT CONSISTS OF ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. BRANCHINECTA LYNCHI ALSO FOUND HERE.	Unknown		UNKNOWN # OBS 7 MAR 2001. 1000'S OBS 28 FEB 2002 IN POOL C. FOUND IN POOLS 2, 3, 5, & 7 IN JAN 2003. 1000'S OBS. 17 FEB 2004 IN POOL #5. 7 JAN 2005: 1000'S IN POOLS SWB, SWC, SWE; 100'S IN POOL SWF. JAN 2006: 10S-1000S IN 7 POOLS.	62378.71998	-10 N4294757 E64	N, R06E, Sec. 20, NW	20060327
Branchinecta lynchi	vernal pool fairy shrimp	309	non-specific area		Threatened	None	G3	S3	1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE.	WOODCREEK NORTH OPEN SPACE PRESERVE/WETLAND COMPENSATION AREA; POOL #6. IDENTIFIED AS "BLUE OAKS OPEN SPACE," CITY PROPERTY, IN CALIFORNIA PROTECTED AREAS DATABASE.	ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND HERE.	Unknown		HUNDREDS OBSERVED IN 1 OF 15 POOLS SAMPLED DURING SURVEY CONDUCTED ON 7 MAR 2001. NONE FOUND DURING SURVEYS ON 28 FEB 2002, 7 JAN 2005, 23 FEB 2007, 16 JAN 2008, AND 17 FEB 2009.	62378.71998	-10 N4294757 E64	N, R06E, Sec. 20, NW	20140822

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	4	specific area		None	None	G1	S1.1	WEST OF ANTELOPE CREEK ON HILL EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE. ROCKLIN-ROSEVILLE BOUNDARY.	330 AC IN ROSEVILLE; ZONED AG IN 1977 GENERAL PLAN.	LARGE AREA OF POOLS ON MEHRTEN FORMATION, EXCHEQUER VERY STONY LOAM. SPP INCL GRATIOLA HETEROSEPALA. PORTION SEEN IN 1987 EXCELLENT EXAMPLE OF VOLCANIC MUDFLOW POOLS. UNABLE TO CONVERT FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown	PROPOSED FOR REGIONAL SHOPPING CENTER.	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	1731775.007	-10 N4293362 E65	N, R06E, Sec. 25, NW	19980716
Downingia pusilla	dwarf downingia	36	1/5 mile	2B.2	None	None	GU	S2	NE OF ROSEVILLE AND SW OF ROCKLIN POWER LINE.		VERNAL POOL ON INKS-EXCHEQUER SOILS. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, ALOPECURUS HOWELLII, LASTHENIA CHRYSOSTOMA, AND ERYNGIUM VASEYI.	Decreasing	SITE GRAZED AND RUTTED BY VEHICLE TRACKS. ROSEVILLE PLANS TO RETAIN AS URBAN RESERVE, BUT DEVELOPMENT SURROUNDS.	1000-1500 PLANTS IN 1987. THIS AREA WAS GRADED WHEN VISITED IN 1997. SITE IS NOW LOCATED SOUTH OF ROSEVILLE PARKWAY AT DIAMOND OAKS ROAD.	281370.462	-10 N4292541 E65	N, R06E, Sec. 26, SE	19970811
Lindieriella occidentalis	California lindieriella	142	non-specific area		None	None	G2G3	S2S3	NORTH OF ROSEVILLE; WEST OF HWY 65, SOUTH OF PLEASANT GROVE CREEK AND 0.8 KM NORTH OF SCOW ROAD.	FOOTHILL BUSINESS PARK MITIGATION SITE, PARCELS 1, 6. POOL LOCATIONS NOT GIVEN FOR LINDERIELLA OCCIDENTALIS. 1995:12 POOLS SURVEYED. 1996:14 POOLS SURVEYED. 1998:13 POOLS SAMPLED. 2003:4 POOLS SAMPLED, OBS IN POOL 8. 2005: 10 POOLS SAMPLED.	CONSTRUCTED AND HISTORIC WETLANDS (VERNAL POOLS, SEASONAL WETLANDS) ARE INTERSPERSED WITHIN NON-NATIVE ANNUAL GRASSLAND.	Unknown		1995:NONE OBS. 1/30/1996: 50+ ADULTS IN 4 POOLS. 3/11/1996: 50+ ADULTS IN 2 POOLS. 1/14/97:OBS IN 12 POOLS. 1/13/98:100S IN 2 POOLS. 3/2/98:1000S IN 5 POOLS. 01/27/05:1000'S IN POOL 16, 100'S IN POOL 26. 2006:1000S IN POOL 18.	386164.7573	-10 N4296259 E64	N, R06E, Sec. 16 (N	20060327
Juncus leiosterpmus var. leiosterpmus	Red Bluff dwarf rush	10	1/5 mile	1B.1	None	None	G2T2	S2	APPROX 0.5 MI N OF SCOW RD INDUSTRIAL BLVD, ROSEVILLE.	WEST OF RR TRACKS, SOUTH OF INDUSTRIAL WASTE PONDS AND EAST OF A POWERLINE.	MARGINS OF VERNAL POOLS, LARGELY ON KILAGA LOAM SOILS.	Unknown	THREATS INCLUDE HOUSING OR LIGHT INDUSTRY DEVELOPMENT.	NO PLANTS SEEN IN 1997 WINDSHIELD SURVEY; HABITAT APPEARED INTACT. WITHAM CONSIDERS THIS SITE TO BE ERRONEOUS; IT IS WELL OUTSIDE THE REPORTED RANGE OF THIS SPECIES. IT MAY BE VAR. AHARTII OR A MISIDENTIFICATION. NEEDS FIELDWORK.	281378.0633	-10 N4296354 E64	N, R06E, Sec. 16, NE	20030408
Branchinecta lynchi	vernal pool fairy shrimp	924	80 meters		Threatened	None	G3	S3	0.1 AIR MILE EAST OF COOK RIOLO RD AT GLEN LN INTERSECTION, JUST NORTH OF CREEKVIEW RANCH SCHOOL, ROSEVILLE.	MAPPED TO COORDINATES PROVIDED.	GRAZED ANNUAL GRASSLAND ON GENTLY ROLLING TERRAIN. VERNAL POOLS, SEASONAL WETLANDS AND SWALES SCATTERED THROUGHOUT SITE. SITE SURROUNDED BY UNDEVELOPED LAND TO THE EAST AND WEST, RURAL RESIDENTIAL TO THE NORTH, AND SCHOOL TO THE SOUTH.	Unknown	RESIDENTIAL DEVELOPMENT	1,000S CAUGHT AND RELEASED ON 24 JAN 2018.	20105.86009	-10 N4289296 E64	N, R06E, Sec. 9, NW	20200518
Branchinecta lynchi	vernal pool fairy shrimp	139	specific area		Threatened	None	G3	S3	0.3 TO 0.5 MILE SE OF THE INTERSECTION OF INDUSTRIAL AVENUE AND JUSTICE CENTER DRIVE, WEST OF HIGHWAY 65, ROCKLIN.	FOOTHILL BUSINESS PARK MITIGATION SITE, PARCEL 1. 1993: DETECTIONS SOMEWHERE IN T11N R6E SEC 16, ATTRIBUTED HERE. 1995: 12 FEATURES SURVEYED. 1996: 14 FEATURES SURVEYED. 1997: 29 FEATURES SURVEYED. MAPPED TO 1996 & 1997 LOCATIONS.	CONSTRUCTED VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND.	Unknown		FOUND IN 5 OF 54 FEATURES SAMPLED ON 18 FEB 1993. NOT FOUND IN 12 FEATURES SAMPLED JAN-FEB 1995. OVER 50 FOUND IN 1 OF 14 POOLS, 30 JAN 1996. TENS FOUND IN 2 OF 29 POOLS, 14 JAN 1997.	59907.39098	-10 N4296404 E64	N, R06E, Sec. 16, NE	20141216
Buteo swainsoni	Swainson's hawk	952	80 meters		None	Threatened	G5	S3	ALONG PLEASANT GROVE CREEK, BETWEEN FIDDYMENT ROAD AND BLUE OAKS BOULEVARD, WEST SIDE OF ROSEVILLE.		NEST TREE WAS A BLUE OAK; SURROUNDING HABITAT CONSISTS OF BLUE OAK WOODLAND GROWING ALONG PLEASANT GROVE CREEK.	Unknown	THREATENED BY DEVELOPMENT JUST WEST OF THE NEST SITE.	DARK-PHASE ADULT SWHA OBSERVED ON 26 APR 2001; NO NEST FOUND. NEST FOUND BY THOMAS LEEMAN (ESA), AND HE REPORTED THAT AT 2 YOUNG HAD BEEN PRODUCED. BY 27 JUN 2001, WHEN WE RETURNED TO GPS THE NEST, THE YOUNG HAD FLEDGED.	20023.19389	-10 N4295334 E64	N, R06E, Sec. 19, N	20011003
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	3	non-specific area		Threatened	None	G5T2Q	S2	DRY CREEK AND ITS TRIBUTARIES SECRET RAVINE AND MINERS RAVINE.	MAPPED TO REACHES OF DRY CREEK & OCCUPIED TRIBUTARIES CURRENTLY NAVIGABLE BY STEELHEAD. COTTONWOOD DAM WAS TOTAL BARRIER ON MINERS PRIOR TO ITS FAILURE IN 2009. ALL SPAWNING REPORTS FROM U/S OF WASTEWATER TREATMENT PLANT (38.736, -121.316).	MAINSTEM DRY CREEK (DC) USED AS MIGRATORY CORRIDOR, BUT WATER QUALITY & SUBSTRATE TOO DEGRADED TO SUPPORT SPAWNING. SPAWNING & REARING HABITAT UPSTREAM, IN SECRET (SR) & MINERS (MR) RAVINES.	Decreasing	BANK DESTABILIZATION/EROSION, VEG REMOVAL, CHANNELIZATION, POLLUTION, BARRIERS, LOW FLOWS, URBANIZATION, SILTATION.	1998-2000: ESTIMATED RUN TO UPPER DC "A FEW 100"; JUVENILES CAUGHT AT MR/SR CONFLUENCE, PRESUMED PRESENT IN BOTH TRIBS. '04-05 ELECTROFISHING SURVEYS CAUGHT 136 O. MYKISS IN SR, 0 IN DC & MR. EVIDENCE OF SPAWNING OBS IN SR IN 2007.	20141005.68	-10 N4291660 E65	N, R06E, Sec. 36 (N	20140328
Spea hammondi	western spadefoot	309	specific area		None	None	G2G3	S3	UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK VICINITY OF BOBOYLE DR AT HAYDEN PKWY, WESTPARK NEIGHBORHOOD OF ROSEVILLE.	MAPPED TO THE PROVIDED COORDINATES AND MAP.	HABITAT CONSISTS OF TWO PONDED AREAS WITHIN A SEASONAL SWALE/CHANNEL. AREA APPEARED TO BE NATIVE HABITAT IN 2004 AERIALS; SURROUNDINGS GRADED FOR DEVELOPMENT IN 2005 AERIALS; AND SEVERAL NEIGHBORHOOD DEVELOPMENTS BY 2013 AERIAL.	Unknown	NOW SURROUNDED BY DEVELOPMENT.	ONE POOL SUPPORTED <10 TADPOLES AND THE OTHER SUPPORTED 50-100 TADPOLES ON 23 APR 2004. TOADS CAPTURED WITH A DIPNET, NONE COLLECTED.	46083.40274	-10 N4294315 E64	N, R05E, Sec. 24 (N	20190502
Branchinecta lynchi	vernal pool fairy shrimp	412	80 meters		Threatened	None	G3	S3	WRSP OPEN SPACE PRESERVE; ABOUT 0.1 MI SSE OF HAYDEN PKWY AT BOB DOYLE DR & 0.6 MI WNW OF FIDDYMENT RD AT PHILLIPS RD.	MAPPED TO OCCUPIED POOL #590.	IN AGRICULTURAL AND RESIDENTIAL AREA.	Unknown	AVAILABLE HABITAT REDUCED BY RESIDENTIAL DEVELOPMENT.	TENS OBSERVED ON 10 FEB 2005.	20023.32386	-10 N4294116 E64	N, R05E, Sec. 24, S	20150107
Buteo swainsoni	Swainson's hawk	2115	80 meters		None	Threatened	G5	S3	NORTH SIDE OF PLEASANT GROVE CREEK, JUST S OF STARWOOD CT AT TRADEWINDS DR IN BLUE OAKS DEVELOPMENT NW OF ROSEVILLE.	MAPPED TO POINT FROM CDFW SHAPEFILE OF NEST RECORDS FROM 2009.	NEST IN 55' BLUE OAK IN RIPARIAN STRIP WITH AN OPEN FIELD DIRECTLY NE, SURROUNDED BY RESIDENTIAL DEVELOPMENT.	Unknown		NEST WITH YOUNG OBSERVED ON 28 APR 2009; FLEDGING SUCCESS UNKNOWN.	20023.32386	-10 N4296277 E64	N, R06E, Sec. 17, NW	20130304

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
Gratiola heterosepala	Boggs Lake hedge-hyssop	16	specific area	1B.2	None	Endangered	G2	S2	NORTH OF ROSEVILLE, WEST OF ANTELOPE CREEK, WSW OF ROCKLIN.	THIS VERNAL POOL COMPLEX IS THE BEST EXAMPLE OF VOLCANIC MUDFLOW VERNAL POOLS IN ROSEVILLE (STROMBERG 1987). INCLUDES FORMER OCCURRENCE #17.	NORTHERN HARDPAN VERNAL POOL ON EXCHEQUER VERY STONY LOAM SOIL. ASSOCIATED VEGETATION INCLUDES ERYNGIUM VASEYI, ALLOCARYA STIPATATA MICRANTHA, CALLITRICHIE LONGIPEDUNCULATA, DOWNINGIA ORNATISSIMA, ISOETES SP, GRATIOLA EBRACTEATA, ETC.	Unknown	AREA GRAZED AND PROPOSED FOR REGIONAL SHOPPING CENTER. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED BY DEVELOPMENT.	OVER 40 PLANTS IN 2 SUBPOPULATIONS IN 1987. NOT OBSERVED IN 1997 (TOO LATE IN YEAR?). DEVELOPMENT IMMINENT IN 1997; ROSEVILLE BLVD EXPANSION HAS/WILL PROBABLY WIPE OUT MOST OF THIS OCCURRENCE. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED.	26322.13896	-10 N4292374 E65	N, R06E, Sec. 25, SW	20110118
Athene cucularia	burrowing owl	339	non-specific area		None	None	G4	S3	NORTH SIDE OF PHILIP ROAD, APPROXIMATELY 0.75 MILE WEST OF FIDDYMENT ROAD, NW OF ROSEVILLE.		HABITAT CONSISTS OF MODERATELY-GRAZED, ROLLING GRASSLAND, WITH NO EVIDENCE OF HISTORIC SOIL DISTURBANCE. SITE WOULD BE BETTER IF MORE BURROWS WERE PRESENT; HARD SOILS AND LACK OF GROUND SQUIRRELS MAY BE THE CAUSE.	Unknown	THREATS INCLUDE POSSIBLE FUTURE DEVELOPMENT OR LOSS OF GRAZERS.	OWLS (NEVER MORE THAN 2) OBSERVED YEAR-ROUND DURING 1998. HABITAT APPEARS EXTANT, BUT NO OWLS WERE OBSERVED ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.	108291.2661	-10 N4293831 E64	N, R05E, Sec. 24, N	20030821
Downingia pusilla	dwarf downingia	97	specific area	2B.2	None	None	GU	S2	JUST WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.	MAPPED IN SINGLE POOL ABOUT 0.35 MILE WEST OF ELBOW IN FIDDYMENT ROAD. WITHIN THE NW 1/4 NE 1/4 SECTION 24.	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYUS STIPITATUS, POGOGOYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.	Unknown	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	UNKNOWN NUMBER OF PLANTS OBSERVED IN SINGLE POOL IN 2000.	7391.424164	-10 N4294977 E64	N, R05E, Sec. 24, NE	20000810
Branchinecta lynchi	vernal pool fairy shrimp	154	specific area		Threatened	None	G3	S3	NORTH SIDE OF BLUE OAKS BLVD NEAR INTERSECTION WITH HAYDEN PARKWAY, ROSEVILLE.	WEST ROSEVILLE SPECIFIC PLAN OPEN SPACE PRESERVE. W POLYGON MAPPED TO OCCUPIED POOLS #273, 277, 287, AND 291 (2005). E POLYGON MAPPED TO 2016 DETECTION.	NATURAL VERNAL POOLS.	Unknown	SURROUNDING AREA IS BEING DEVELOPED.	TENS DETECTED IN 4 POOLS ON 10 FEB 2005. NONE FOUND IN POOL #273, 18-19 FEB 2009 & 16 MAR 2010 (THE OTHER HISTORICALLY OCCUPIED POOLS WERE NOT SAMPLED). DETECTED IN 1 POOL ON 8 FEB 2016.	134062.5917	-10 N4295118 E64	N, R05E, Sec. 24, NW	20160801
Legenere limosa	legenere	11	specific area	1B.1	None	None	G2	S2	N TRIBUTARY OF PLEASANT GROVE CREEK, N OF PLEASANT GROVE CREEK, S OF PLACER BLVD, E OF HWY 65.		VERNAL POOL AREA ON FLOODPLAIN OF INTERMITTENT STREAM.	Decreasing	PART OF AREA PLANNED FOR INDUSTRIAL PARK USE (AREA GRADED IN 1983). GRAVEL PIT TO SOUTH.	ABOUT 200 PLANTS IN 1984. NONE FOUND IN 1997 (TOO LATE IN SEASON). THE NORTHERN POOLS WHICH WERE MAPPED HERE IN 1984 APPEAR TO BE EXTIRPATED. 5 POOLS UNDISTURBED IN 1997.	237305.5845	-10 N4297245 E64	N, R06E, Sec. 10, SW	19970811
Linderiella occidentalis	California linderiella	257	80 meters		None	None	G2G3	S2S3	NEAR UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK NORTH AND EAST OF PHILLIP ROAD, NW OF ROSEVILLE.	POOL #567, WEST OF HAYDEN PARKWAY. MAPPED 0.2 MILE WEST OF FIDDYMENT RANCH.		Unknown		NUMBERS FOUND NOT GIVEN FOR THIS POOL.	20023.32252	-10 N4294415 E64	N, R05E, Sec. 24, SW	20060327
Downingia pusilla	dwarf downingia	99	specific area	2B.2	None	None	GU	S2	ABOUT 1 MILE SOUTHWEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.	TWO POOLS MAPPED BY CNDDB; JUST NORTH OF PHILIP ROAD ABOUT 0.9 MILE WEST OF FIDDYMENT ROAD. POOLS ARE WITHIN THE SW 1/4 SW 1/4 SECTION 24.	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYUS STIPITATUS, POGOGOYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.	Unknown	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000. 2010 AERIAL PHOTO SHOWS DEVELOPMENT AT SOUTHERN POOL; SOUTHERN COLONY IS PROBABLY EXTIRPATED.	15434.28024	-10 N4293806 E64	N, R05E, Sec. 24, SW	20110914
Linderiella occidentalis	California linderiella	249	specific area		None	None	G2G3	S2S3	NORTH SIDE OF PHILLIPS ROAD, ABOUT 1.3 MILES WEST OF ITS INTERSECTION WITH FIDDYMENT ROAD.		VERNAL POOLS.	Unknown		COMPLEX OF 7 CLOSELY-SPACED VERNAL POOLS. 10'S TO 100'S OBSERVED.	92941.28999	-10 N4293781 E64	N, R05E, Sec. 23, SE	20060327
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	1	specific area		None	None	G1	S1.1	BETWEEN DOUGLAS BLVD & MINERS RAVINE JUST EAST OF ROSEVILLE.		DIVERSITY OF POOL TAXA PRESENT INCLUDES FICHELSTEMMA LACUNA-VERNALIS. MOST OF THIS LARGE AREA IS ON VOLCANIC SUBSTRATE. <50 ACRES IN THE NW PORTION OF THE BOUNDED AREA IS LOW TERRACE FORMATION W/HARDPAN VERNAL POOLS.	Unknown		UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	1748007.669	-10 N4290690 E65	N, R07E, Sec. 06, N	19980716
Downingia pusilla	dwarf downingia	101	specific area	2B.2	None	None	GU	S2	SOUTH OF PHILLIP ROAD ABOUT 3.5 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.	SEVERAL POOLS MAPPED IN SEVEN POLYGONS AT CNDDB, ABOUT 0.5 MILE SOUTH OF PHILIP ROAD. POOLS ARE NEAR THE CENTER OF THE SOUTH HALF OF SECTION 23 AND SOUTH INTO THE NORTH HALF OF SECTION 26.	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYUS STIPITATUS, POGOGOYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.	Unknown	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	UNKNOWN NUMBER OF PLANTS OBSERVED IN FIVE POOLS IN 2000. FEWER THAN 10 PLANTS OBSERVED IN 2002 AT TWO NEW LOCATIONS. INCLUDES FORMER OCCURRENCE #102.	54337.47289	-10 N4294083 E64	N, R05E, Sec. 23, SW	20030304
Downingia pusilla	dwarf downingia	98	specific area	2B.2	None	None	GU	S2	ABOUT 0.7 MILE WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.	FOUR POOLS MAPPED WITHIN THREE POLYGONS AT CNDDB, ABOUT 1 MILE WEST OF ELBOW IN FIDDYMENT ROAD. POOLS ARE WITHIN THE WEST HALF OF THE NW 1/4 OF SECTION 24.	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYUS STIPITATUS, POGOGOYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.	Unknown	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	UNKNOWN NUMBER OF PLANTS OBSERVED IN FOUR POOLS IN 2000.	28729.12459	-10 N4294903 E64	N, R05E, Sec. 24, NW	20000810
Spea hammondii	western spadefoot	172	specific area		None	None	G2G3	S3	POOLS ADJACENT TO RAILROAD TRACKS NEAR TAYLOR ROAD, 0.4 MILE SOUTH OF SEWAGE DISPOSAL PONDS, ROSEVILLE.	POOLED AREAS BETWEEN TRACKS AND DEVELOPMENT. MAPPED TO THE PROVIDED COORDINATES.	SURROUNDING LAND USE: RAILROAD EASEMENT. CALIFORNIA LINDERIELLA ALSO PRESENT. OFTEN CO-OCCUR WITH PACIFIC CHORUS FROG AND WESTERN TOAD. CLAM SHRIMP OCCASIONALLY PRESENT AS WELL.	Unknown	MUCH OF THIS AREA HAS BEEN DEVELOPED SINCE 1994; PORTION OF OCCURRENCE MAY BE EXTIRPATED.	5 TADPOLES OBSERVED ON 19 MAR 1994. 12-24 LARVAE OBSERVED ON 13 APR 2018; OBSERVED SWIMMING AND RESTING. LARVAE ANECDOTALLY REPORTED AS PRESENT IN "MANY YEARS" BETWEEN 1994 AND 2018	34946.19201	-10 N4292674 E65	N, R06E, Sec. 25, SE	20190501
Progne subis	purple martin	27	80 meters		None	None	G5	S3	HIGHWAY 65 OVERPASS OVER TAYLOR ROAD, ON THE SOUTH EDGE OF ROCKLIN.		HABITAT SURROUNDING FREEWAYS CONSISTS OF NON-NATIVE GRASSLAND AND OAK WOODLAND.	Unknown		2 ADULTS (PAIR) OBSERVED NESTING IN OVERPASS DRAINAGE HOLE ON 23 MAY 2007.	20023.33004	-10 N4292929 E65	N, R06E, Sec. 25, SE	20071031

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
<i>Fritillaria agrestis</i>	stinkbells	12	80 meters	4.2	None	None	G3	S3	W SIDE OF NORTH ANTELOPE RD, 28 YARDS N OF PLACER/SACRAMENTO COUNTY LINE.	COMMERCIAL BUSINESS ACROSS THE ROAD.	AT TOP OF CUT SLOPE IN PASTURE.	Unknown	DEVELOPMENT, DISKING.	2 PLANTS SEEN IN 1979. NOT FOUND IN 1994; ADJACENT PASTURE DISKED IN THE PAST YEAR. THIS SITE WAS DISKED WHEN VISITED IN 1997; PLANTS MAY BE EXTIRPATED AT THIS SITE.	20009.20063	-10 N4287519 E64	N, R06E, Sec. 16, NW	20080804
<i>Lindieriella occidentalis</i>	California lindieriella	419	80 meters		None	None	G2G3	S2S3	SOUTH SIDE OF BASE LINE ROAD ABOUT 0.5 MILE EAST OF THE WATT AVENUE JUNCTION, WEST OF ROSEVILLE.	MAPPED TO LOCATIONS OF POOL HBC4C FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.	"POTENTIAL BRANCHIOPOD HABITAT" PER 2007 REPORT.	Unknown	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	1 CYST FOUND IN DRY-SEASON SAMPLES TAKEN NOV 2006.	20023.32386	-10 N4290370 E64	N, R05E, Sec. 01, N	20140730
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	3	specific area		None	None	G1	S1.1	NORTH & WEST OF ROSEVILLE RESERVOIR, SE OF SECRET RAVINE, ROSEVILLE-ROCKLIN CORPORATE BOUNDARY.	BOUNDARY INCL 2 POOL AREAS; ONE AREA HAS 48 ACRES OF POOLS (WESCO, 1982); THE OTHER AREA HAS 30 ACRES OF LOWER QUALITY POOLS.	ON VOLCANIC SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown	BOTH AREAS ZONED FOR AGRICULTURE.	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	573352.8117	-10 N4292547 E65	N, R07E, Sec. 30, S	19980716
<i>Lindieriella occidentalis</i>	California lindieriella	254	non-specific area		None	None	G2G3	S2S3	BETWEEN DRY CREEK AND PFE ROAD, EAST OF WATT AVENUE AND WEST OF WALERBI ROAD, WEST OF ROSEVILLE.			Unknown		UNKNOWN NUMBER OF CYSTS FOUND DURING DRY SEASON SAMPLING IN BASINS SW-1 AT RIOLO 1 SITE, AND SW-1 AT RIOLO 2 SITE.	514528.2046	-10 N4288436 E64	N, R05E, Sec. 12 (N)	20060620
<i>Legenere limosa</i>	legenere	14	1/5 mile	1B.1	None	None	G2	S2	FLOODPLAIN OF PLEASANT GROVE CREEK, APPROX 2.2 AIR MILES E OF JCT PLACER BLVD & SPRR TRACKS.	WHEN VISITED IN 1997, WHAT APPEARS TO BE DEDICATED OPEN SPACE WAS SEEN JUST TO THE EAST OF MAPPED LOCATION FOR THIS SITE. FUTURE SURVEYS SHOULD TARGET THIS AREA.	VERNAL POOL AREA IN FLOODPLAIN OF INTERMITTENT STREAM. ASSOCIATED WITH RANUNCULUS BONARIENSIS TRISEPALUS.	Unknown		ABOUT 100 PLANTS IN 1984. WINDSHIELD SURVEY CONDUCTED IN 1997 TO CONFIRM PRESENCE OR ABSENCE OF HABITAT; IF MAPS ARE ACCURATE, THIS SITE IS NOW UNDER THE PAVEMENT AT DEVON DR, FARRIER RD & RACHEL CT IN THE STANFORD RANCH SUBDIVISION.	281370.6404	-10 N4297290 E65	N, R06E, Sec. 11, SE	19970811
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	731	specific area		Threatened	None	G3	S3	0.7 TO 1.4 MILES WNW OF THE INTERSECTION OF HAYDEN PARKWAY AND FIDDYMENT ROAD, NW OF ROSEVILLE.	1993 DETECTIONS IN VICINITY, EXACT LOCATIONS UNKNOWN. 2005 DETECTION ON WEST ROSEVILLE SPECIFIC PLAN OPEN SPACE PRESERVE. 2007-2008 SURVEYS WERE ON "CREEKVIEW PROPERTY." 2009 DETECTIONS ON AMORUSO PROPERTY. 2016, ON FIDDYMENT WFB PARCELS.	1993: NATURAL VERNAL POOLS. 2005: NATURAL VERNAL POOLS ON PRESERVE; SURROUNDING AREA IS BEING DEVELOPED. 2009: VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.	Unknown	DEVELOPMENT (2009).	FOUND IN 16 OF 52 POOLS IN SEC 13 & 4 OF 9 POOLS IN SEC 14, 1993 (SUGNET IDS #87 & 88). 1005 FOUND IN 1 POOL, 2005. BRANCHINECTA CYSTS FOUND IN 11 BASINS, 2007. NOT FOUND IN 2007-08 WET SEASON. IN 10 POOLS, 2009. IN 4 POOLS, 2016.	181479.0081	-10 N4296904 E64	N, R05E, Sec. 13 (N)	20160526
<i>Spea hammondii</i>	western spadefoot	174	80 meters		None	None	G2G3	S3	BEND IN PHILLIP ROAD, 1.5 MILE W OF JCT WITH FIDDYMENT ROAD, 0.3 MILE WEST WHERE ROAD PARALLELS PLEASANT GROVE CREEK.		ANNUAL GRASSLAND.	Unknown	CHANGES IN HYDROLOGY/URBAN RUNOFF.	1 ADULT FOUND CROSSING THE ROAD.	20023.27929	-10 N4294883 E64	N, R05E, Sec. 23, SE	20000120
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	49	80 meters	1B.2	None	None	G3	S3	ROSEVILLE ROAD AT WHYTE AVE, JUST SOUTH OF SAC/PLA COUNTY LINE, ANTELOPE.	WEST OF ROSEVILLE ROAD IN CHANNEL BETWEEN ROAD AND RR TRACKS. NEAR CENTER OF SECTION.	FRESHWATER MARSH WITH TYPHA.	Unknown		ABOUT 1000 PLANTS OBSERVED IN 1997. MOST PLANTS OCCUR WITHIN TWO 10X10 OPENINGS WITHIN THICK TYPHA STAND. SITE APPEARS TO BE UNMAINTAINED CHANNEL, FEW VISITORS. NO OBVIOUS THREATS.	20105.08547	-10 N4287283 E64	N, R06E, Sec. 15, NW	19971223
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	230	80 meters		Threatened	None	G3	S3	0.8 MILE SW OF ROSEVILLE RESERVOIR, 1.3 MI S OF JCT TAYLOR RD & SUNSET BLVD, 2.6 MILES SW OF SIERRA COLLEGE, ROSEVILLE.	OLYMPUS OAKS PROJECT SITE, AKT DEVELOPMENT..	VERNAL POOL COMMUNITY.	Unknown	DEVELOPMENT.	100'S OBSERVED IN 1998.	20023.3701	-10 N4291896 E65	N, R07E, Sec. 31, NW	19991222
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	733	specific area		Threatened	None	G3	S3	STANFORD RANCH OPEN SPACE PRESERVE, BOTH SIDES OF STANFORD RANCH ROAD, BETWEEN DELTA DRIVE AND DARBY ROAD, ROCKLIN.	2014: MAPPED TO LOCATIONS GIVEN FOR OCCUPIED POOLS VP-22, VP-109, AND VP-111. 2015: IN POOLS 22, 23, 109, & 111.	DESIGNATED OPEN SPACE PRESERVE. VERNAL POOL GRASSLAND DOMINATED BY NON-NATIVE ANNUALS. SOME DISTURBANCE FROM OCCASIONAL HUMAN VISITATION.	Unknown	SURROUNDED BY DEVELOPMENT.	THOUSANDS WERE FOUND IN 3 OF 12 POOLS SAMPLED ON 13 MAR 2014. 1005 FOUND IN 4 POOLS, 9 JAN 2015.	60487.78683	-10 N4297626 E65	N, R06E, Sec. 12 (N)	20150304
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	15	specific area	1B.2	None	Endangered	G2	S2	JOHNSON RANCH, APPROXIMATELY 0.75 MILE SOUTH OF HWY 80 BETWEEN ROCKLIN & ROSEVILLE.	MAPPED AS 2 POLYGONS IN SW1/4 OF NW1/4 SEC 31.	NORTHERN MUDFLOW VERNAL POOL IN OPEN ANNUAL GRASSLAND NEAR EDGE OF OAK WOODLAND. GRATIOLA EBRACTEATA ALSO FOUND IN DEEPER VERNAL POOLS IN THE AREA.	Decreasing	LAND USE FOR LIVESTOCK, DEVELOPMENT.	MORE THAN 500 PLANTS IN 1986. SOUTHERN POLYGON IS PROBABLY EXTIRPATED ACCORDING TO WITHAM'S 2008 AERIAL PHOTO INTERPRETATION; A HOUSING DEVELOPMENT NOW EXISTS THERE. BY 2016, ENTIRE AREA HAS BEEN DEVELOPED, SITE EXTIRPATED.	5834.761195	-10 N4291744 E65	N, R07E, Sec. 31, NW	20171213
<i>Downingia pusilla</i>	dwarf downingia	131	specific area	2B.2	None	None	GU	S2	NORTH SIDE OF PLEASANT GROVE CREEK, ABOUT 1.1 AIR MILES NORTHWEST OF R F FIDDYMENT RANCH.	MAPPED IN THE NORTH HALF OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.	WETLAND SWALE. ASSOCIATED W/ RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.	Unknown	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	SEVERAL THOUSAND PLANTS OBSERVED IN 2006.	14570.74616	-10 N4295940 E64	N, R05E, Sec. 14, SE	20110914

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
Downingia pusilla	dwarf downingia	132	specific area	2B.2	None	None	GU	S2	SOUTH SIDE OF PLEASANT GROVE CREEK, ABOUT 1 AIR MILE WNW OF R F FIDDYMENT RANCH.	MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.	MAN-MADE DITCH. ASSOC W/ RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYUS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.	Unknown	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	ONE PLANT OBSERVED IN 2006.	2825.573656	-10 N4295459 E64	N, R05E, Sec. 14, SE	20110921
Sagittaria sanfordii	Sanford's arrowhead	46	specific area	1B.2	None	None	G3	S3	EAST SIDE OF ROSEVILLE ROAD ABOUT 0.9 MILE FROM ANTELOPE ROAD, ANTELOPE.	TWO COLONIES MAPPED BY NORTON IN 1993 IN DRAINAGES BETWEEN ROSEVILLE ROAD AND VILLAVIEW DRIVE AND NORTH OF OUTLOOK DRIVE. ONLY THE SOUTH COLONY REMAINING IN 1997.	UNLINED +/- NATURAL CHANNEL WITH SALIX AND TYPHA. SAGITTARIA DOMINATES MUCH OF THIS SHORT WATERCOURSE.	Unknown	SITE SURROUNDED BY NEW DEVELOPMENT. NORTH COLONY OBLITERATED BY EARTHMOVING EQUIPMENT.	1000'S OF PLANTS OBSERVED IN 1997. THIS SMALL SECTION OF HABITAT APPEARS TO BE SET ASIDE BY THE CURRENT DEVELOPERS. CHANNEL IS MARKED AND EQUIPMENT APPEARS TO AVOID IMPACTING AREA.	68397.55344	-10 N4286609 E64	N, R06E, Sec. 15, SW	19940804
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	11	specific area	1B.1	None	None	G2T1	S1	APPROXIMATELY 4 MILES NE OF ROSEVILLE.	WITHIN STANFORD RANCH ALKALI SEEP PRESERVE, SPRING VALLEY. SITE IS NEAR PARK DRIVE AND STANFORD RANCH ROAD INTERSECTION. IN THE SW 1/4 SECTION 12. NEAR 3 SEEPS.	SPRING FED ALKALI MEADOW WITH DISTICHILIS SPICATA, SCIRPUS OLNEYI, FRANKENIA GRANDIFOLIA VAR. CAMPESTRIS, CRESSA TRUXILLENIS, MONERMA CYLINDRICA, AND LIPPIA NODIFLORA. AREA SURROUNDED BY ALAMO VARIANT CLAY, BUT SOIL AT SITE IS UNCLASSIFIED.	Unknown	GRAZING REMOVED BY 1991, FILL HAD BEEN DUMPED ON SITE IN 1989; SUBSEQUENTLY REMOVED TO RESOLVE WETLANDS VIOLATIONS.	OVER 10,000 PLANTS SEEN IN 1982, 2000-5000 SEEN IN 1989, AND ~2500 IN 1991. ACCORDING TO DAINS, DECLINE IN POP PROBABLY DUE TO WEATHER, NOT MANAGEMENT. SITE FENCED, HABITAT LOOKED GOOD IN LATE SEASON (JUNE) 1997 WINDSHIELD SURVEY.	102790.6865	-10 N4297502 E65	N, R06E, Sec. 12, SW	20110804
Downingia pusilla	dwarf downingia	33	1/5 mile	2B.2	None	None	GU	S2	0.75 MILE SOUTH OF THE INTERSECTION OF HIGHWAY 65 AND PLEASANT GROVE ROAD, EAST OF HIGHWAY 65.		VERNAL POOL ON CLAYPAN SUBSTRATE. ASSOCIATED WITH DOWNINGIA BICORNUTA, D. ORNATISSIMA, ALLOCARYA STIPITATA MICRANTHA.	Unknown	AREA GRAZED, BUT LITTLE DISTURBANCE. PARCEL TO EAST BEING DEVELOPED.	MORE THAN 30 PLANTS OBSERVED IN 1985.	281374.3431	-10 N4298982 E64	N, R06E, Sec. 03, SE	19890811
Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	2	specific area		None	None	G1	S1.1	RIDGE BETWEEN MINERS RAVINE & SECRET RAVINE, VICINITY OF ROCKLIN-ROSEVILLE CORPORATE BOUNDARIES.	WESCO SURVEYED 70 AC W/IN ROSEVILLE CITY LIMITS BUT TOTAL POOL AREA MUCH LARGER (ALONG SIERRA COLLEGE BLVD).	POOLS ON VOLCANIC SUBSTRATE. MANY POOL TAXA PRESENT INCL DICHELOSTEMMA LACUNA-VERNALIS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown	ROSEVILLE PORTION ZONED FOR AGRICULTURE W/2 AC MIN IN 1977 GENERAL PLAN.	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	1400527.48	-10 N4292250 E65	N, R07E, Sec. 32, NW	19980716
Alkali Meadow	Alkali Meadow	1	1/5 mile		None	None	G3	S2.1	NORTH OF ROSEVILLE ON HWY 65, EAST ON PLACER BLVD, EAST ON PRIVATE DIRT ROAD.		LOW DISTICHILIS MEADOWS W/PATCHES OF BARE WHITE SALT ENCRUSTED SOIL. OCCURS BETWEEN SEEPS DOMINATED BY OLNEY BULLRUSH. MOSAIC OF DIFF COVER TYPES. SPECIES LIST ON FILE AT CNDDDB.	Unknown	GRAZED IN WINTER. DEVELOPMENT PLANNED FOR THE AREA.	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	281368.6874	-10 N4297494 E65	N, R06E, Sec. 12, S	19980715
Alkali Seep	Alkali Seep	2	1/5 mile		None	None	G3	S2.1	0.5 MILE EAST OF PLEASANT GROVE CREEK, APPROX 2.5 MILES NORTH OF ROCKLIN. ACCESS VIA HWY 65.		SEEPS AND OLNEY BULLRUSH DOM. OCCURS IN PATCHES W/ALKALI MEADOW BTWN A HOMOGENEOUS STAND OF VEG APPROX 1 M TALL. FRESHWATER SEEP OCCURS ABOVE ALKALINE-SEEP. FILL HAS BEEN ILLEGALLY DISCHARGED INTO SITE AS OF 1989.	Unknown	GRAZED IN WINTER. DEVELOPMENT PLANS FOR SITE.	ARMY CORPS INVOLVED IN RESTORATION AND MITIGATION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	281368.6874	-10 N4297494 E65	N, R06E, Sec. 12, S	19980720
Branchinecta lynchi	vernal pool fairy shrimp	247	80 meters		Threatened	None	G3	S3	STANFORD RANCH NORTH, 0.75 MILE NNE JCT OF SUNSET BLVD & HWY 65, 1.8 MILES WSW OF TELEGRAPH HILL, 4 MI N OF ROCKLIN.	VERNAL POOL AT THIS SITE NUMBERED VP42, MAX SURFACE AREA ABOUT 10 METERS BY 13 METERS & 35 CM DEEP. B. LYNCHI FOUND IN 1 OF 65 SEASONAL WATERBODIES SURVEYED BETWEEN 28 JAN & 24 MAR 2000.	HABITAT CONSISTS OF FORMERLY GRAZED, NON-NATIVE ANNUAL GRASSLAND, INTERSPERSED WITH VERNAL POOLS.	Unknown	DISTURBED FIELD (SOURCE OF DISTURBANCE NOT GIVEN).	VFPs NUMBERING IN THE 10'S OBSERVED ON 11 FEB 2000 (2 FEMALES) AND ON 25 FEB 2000 (2 MALES) IN VERNAL POOL #VP42. 8 MAR 2001: 1 MALE OBSERVED WITHIN POOL #42.	20023.32597	-10 N4298927 E64	N, R06E, Sec. 03, SW	20040622
Downingia pusilla	dwarf downingia	100	specific area	2B.2	None	None	GU	S2	SOUTH SIDE OF PHILLIP ROAD ABOUT 3 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.	FIVE POOLS MAPPED IN THREE POLYGONS AT CNDDDB, JUST SOUTH OF PHILIP ROAD. POOLS ARE WITHIN THE NW 1/4 NW 1/4 SECTION 23 AND THE NE CORNER OF SECTION 22.	VERNAL POOLS DOMINATED BY PLAGIOBOTHRYUS STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.	Unknown	SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.	UNKNOWN NUMBER OF PLANTS OBSERVED IN FIVE POOLS IN 2000.	34321.55442	-10 N4295102 E63	N, R05E, Sec. 23, NW	20000810
Branchinecta lynchi	vernal pool fairy shrimp	229	80 meters		Threatened	None	G3	S3	0.2 MILE SW OF ROSEVILLE RES, 1.1 MILES S OF JCT TAYLOR RD & SUNSET BLVD, 2.2 MILES SW OF SIERRA COLLEGE, ROSEVILLE.	OLYMPUS OAKS PROJECT SITE, AKT DEVELOPMENT.	1998: VERNAL POOL COMMUNITY. 2009 AERIAL PHOTOS SHOW THAT THE SITE HAS BEEN COMPLETELY DEVELOPED.	Unknown	DEVELOPMENT.	4 COLLECTED ON 16 DEC 1998 (CASIZ #121244). HUNDREDS OBSERVED ON 22 DEC 1998.	20023.37268	-10 N4292265 E65	N, R07E, Sec. 31, NW	20140818
Linderiella occidentalis	California linderiella	250	specific area		None	None	G2G3	S2S3	SOUTH SIDE OF PHILLIP ROAD ABOUT 3 MILES EAST OF BREWER ROAD, NORTHWEST OF ROSEVILLE.	POOL NUMBERS 321, 330, 342, 357, 396, AND 401.	VERNAL POOL COMPLEX.	Unknown		10'S TO 100'S IN EACH POOL.	60118.54287	-10 N4295005 E63	N, R05E, Sec. 22, NE	20060620
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	270	specific area		Threatened	None	G3T2T3	S3	VICINITY OF BOARDMAN CANAL, BETWEEN I-80 AND SIERRA COLLEGE BLVD, N OF SECRET RAVINE PKWY, 1 MILE SE OF ROCKLIN PO.	MAPPED TO PROVIDED PROJECT BOUNDARY FOR THE HIGHLANDS. 10 YEAR MONITORING CONDUCTED BY ECORP CONSULTING INC. MONITORING BEGAN IN 2002. CNDDDB DID NOT HAVE RECORDS FOR 2002-2004 & 2009. VELB CONSERVATION AREA ALONG N MOST END OF SITE.	OAK WOODLAND AND SAVANNAH, VERNAL POOLS, AND SEASONAL WETLANDS ARE INTERSPERSED WITHIN THE GREATER GRASSLAND AREA. ASSOCIATED SPECIES INCLUDED CALIFORNIA BUCKEY, TOYON, COYOTE BRUSH, BUCK BRUSH, GRAY PINE, BLUE OAK, AND VALLEY OAK.	Unknown	DEVELOPMENT. MASS GRADING FOR BUILDING OF ROADS, BRIDGES, & RELATED INFRASTRUCTURE; PREDOMINANTLY ON EAST SIDE OF SITE.	5 VALLEY ELDERBERRY LONGHORN BEETLE EXIT HOLES OBSERVED IN APR 2001. NO EVIDENCE OF VELB OCCUPANCY DETECTED IN 2005-2011. ELDERBERRY SHRUBS TRANSPLANTED TO CONSERVATION AREA AT NORTHERN PORTION OF SITE.	953098.885	-10 N4293004 E65	N, R07E, Sec. 29 (N	20150311
Downingia pusilla	dwarf downingia	130	specific area	2B.2	None	None	GU	S2	NORTH OF PLEASANT GROVE CREEK, ABOUT 1.5 AIR MILES NORTHWEST OF R F FIDDYMENT RANCH.	MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 14 ACCORDING TO A 2006 MAP BY FISHER.	VERNAL POOL ASSOCIATED WITH RANUNCULUS BONARIENSIS TRISEPALUS, PLAGIOBOTHRYUS STIPITATUS, AND ERYNGIUM VASEYI. SURROUNDING LANDSCAPE CONSISTS OF UNDULATING GRASSLAND WITH VERNAL POOLS, SWALES, AND PLEASANT GROVE CREEK.	Unknown	THREATENED BY RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	APPROXIMATELY 100 PLANTS OBSERVED IN 2006.	2825.572948	-10 N4296437 E64	N, R05E, Sec. 14, NE	20110914

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Area	UTM	PLSS	Last Update
Linderiella occidentalis	California linderiella	418	80 meters		None	None	G2G3	S2S3	SOUTH SIDE OF BASE LINE ROAD ABOUT 0.5 MILE WEST OF WATT AVENUE, WEST OF ROSEVILLE.	MAPPED TO LOCATION OF POOL WF037 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.	A ROADSIDE VERNAL POOL.	Unknown	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	3 CYSTS FOUND IN WF037 FROM SAMPLES TAKEN IN NOV 2006.	20023.32386	-10 N4290418 E63N	R05E, Sec. 34, SE	20140730
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	66	specific area		None	None	G3	S3.1	BOTH SIDES DOUGLAS BLVD <1 MILE WEST OF JUNCTION WITH SIERRA COLLEGE BLVD, ROSEVILLE.		4 AREAS; 14 ACRES HIGH QUALITY POOLS ON HIGH TERRACE HARDPAN, ZONED AG; 50 AC HIGH QUALITY LOW TERRACE HARDPAN POOLS, ZONED RESID; 22 AC MED QUALITY VOLCANIC MUDFLOW POOLS, ZONED AG; 14 AC LOW QUALITY LOW TERRACE HARDPAN POOLS ZONED RESID.	Unknown		RANKINGS AND 1977 ZONING FROM WESCO, 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	608841.5023	-10 N4289691 E63N	R07E, Sec. 08, NW	19980715
Branchinecta lynchi	vernal pool fairy shrimp	736	80 meters		Threatened	None	G3	S3	ABOUT 0.7 MILE NE OF FIDDYMENT RD AT SUNSET BLVD WEST AND 1 MILE SW OF ATHENS AVE AT N FOOTHILLS BLVD, NW OF ROSEVILLE.	CALIFORNIA MOTOCROSS PROJECT SITE. MAPPED TO PROVIDED SHAPEFILE.	VIABLE POPULATION IN SEASONAL WETLAND 8 INCHES DEEP. DISTURBANCE FROM OFF-ROAD VEHICLES NOTED. SITE WAS PLOWED/DISKED HISTORICALLY.	Unknown	DEVELOPMENT.	FOUND IN 1 BASIN DURING 2007-2008 WET SEASON SAMPLING.	20023.32386	-10 N4299127 E64N	R06E, Sec. 05, SW	20140822
Gratiola heterosepala	Boggs Lake hedge-hyssop	96	specific area	1B.2	None	Endangered	G2	S2	NORTH OF PLEASANT GROVE CREEK, APPROX. 1.5 AIR MILES NW OF R. F. FIDDYMENT RANCH, NW OF ROSEVILLE.	MAPPED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 14 ACCORDING TO LAT/LONG COORDINATES PROVIDED BY FISHER.	OCCURS IN ONE OF THE DEEPER BASIN VERNAL POOLS IN THE AREA; ONLY VERNAL POOL WITH STANDING WATER AT TIME OF SURVEY (1-2"). ASSOCIATED WITH ERYNGIUM VASEYI, NAVARRETIA LEUCOCEPHALA, DOWNINGIA BICORNUTA, AND THE RARE DOWNINGIA PUSILLA.	Unknown	RESIDENTIAL AND COMMERCIAL DEVELOPMENT.	1000-1500 PLANTS OBSERVED IN 2006. 1000 PLANTS OBSERVED IN A SUBSEQUENT VISIT IN 2008.	1675.802704	-10 N4296423 E63N	R05E, Sec. 14, NW	20090406
Buteo swainsoni	Swainson's hawk	2201	non-specific area		None	Threatened	G5	S3	NORTH OF DRY CREEK, ON EITHER SIDE OF DYER LN ABOUT 0.2 MILE WEST OF ITS JUNCTION WITH WATT AVENUE, NW OF ANTELOPE.	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS. SOUTH POLYGON REPRESENTS SUSPECTED NEST TERRITORY RECORDED IN 2001, UNCLEAR IF ACTIVE NEST WAS FOUND. NORTH POLYGON MAPPED TO NEST SITE RECORDED IN 2003.	2001: SUSPECTED NEST IN LARGE VALLEY OAKS SURROUNDED BY FALLOW LAND, GRASSLAND, AND RIPARIAN, WITH RESIDENTIAL TO THE SE. 2003: NEST IN 45' VALLEY OAK WITH GRASSLAND TO THE SOUTH AND CROPLAND TO THE NORTH.	Unknown		DEFENSIVE SWAINSON'S HAWK PAIR OBSERVED APR 2001; HAWK FLUSHED FROM A TREE CONTAINING POSSIBLE NEST. NEST MONITORED IN 2003; FLEDGED 2.	302650.0674	-10 N4289075 E63N	R05E, Sec. 11, E	20130510
Branchinecta lynchi	vernal pool fairy shrimp	732	specific area		Threatened	None	G3	S3	0.5 TO 0.7 MILE SE OF INTERSECTION OF SUNSET BLVD WEST AND AMORUSO WAY, NW OF ROSEVILLE.	AMORUSO PROPERTY, POOLS SW-48 AND VP-80.	VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.	Unknown	DEVELOPMENT (2009).	FOUND IN 15 POOLS, 2009 (2 MAPPED HERE, SEE ALSO OCCURRENCES #731 AND 788).	40185.93063	-10 N4297727 E64N	R05E, Sec. 11, NE	20140924
Branchinecta lynchi	vernal pool fairy shrimp	738	specific area		Threatened	None	G3	S3	WEST OF HIGHWAY 65, JUST EAST AND SE OF THE INTERSECTION OF ATHENS AVE AND INDUSTRIAL AVE, NW OF ROCKLIN.	ATHENS PARK PROJECT SITE. MAPPED TO POOLS WHERE BRANCHINECTA CYSTS WERE FOUND.	30 ACRE PROPERTY PROPOSED FOR ROAD IMPROVEMENTS AND COMMERCIAL DEVELOPMENT (AS OF 2007). 2.5 ACRES OF SEASONAL WETLANDS INCLUDING VERNAL POOLS, DITCHES, AND SWALES.	Unknown		21 OF 117 POOLS SAMPLED 24 NOV 2006; 5 CONTAINED BRANCHINECTA CYSTS. CYSTS PRESUMED B. LYNCHI GIVEN SITE LOCATION AND HABITAT TYPE, BUT HATCHING AND REARING WOULD BE NEEDED FOR A POSITIVE ID.	56168.8727	-10 N4300147 E64N	R06E, Sec. 04, NE	20140909
Linderiella occidentalis	California linderiella	252	non-specific area		None	None	G2G3	S2S3	NORTH OF DYER LANE, ABOUT 0.75 TO 1.5 MILES WEST OF CENTER POINT ROAD, WEST OF ROSEVILLE.			Unknown		50+ CYSTS FOUND IN DRY SEASON SAMPLING IN BASIN #D 5.	965349.2272	-10 N4289091 E63N	R05E, Sec. 10, N	20060620
Linderiella occidentalis	California linderiella	417	specific area		None	None	G2G3	S2S3	ALONG BASE LINE ROAD FROM ABOUT 0.6 TO 1 MILE EAST OF THE INTERSECTION WITH COUNTRY ACRES LANE, WEST OF ROSEVILLE.	MAPPED TO LOCATIONS OF POOLS WF041 & WF048 FROM 2007 REPORT. PART OF 1,800-ACRE LINEAR SURVEY AREA FOR PGE LINE 123 EXTENSION/LINE 407 (PHASE 1)/METRO AIR PARK DISTRIBUTION FEEDER PROJECT.	A ROADSIDE VERNAL POOL AND SEASONAL WETLAND.	Unknown	ENERGY INFRASTRUCTURE MAINTENANCE/CONSTRUCTION.	2 CYSTS FOUND IN WF041 SAMPLES AND ABOUT 10 CYSTS FOUND IN WF048 SAMPLES TAKEN IN NOV 2006.	182472.7859	-10 N4290465 E63N	R05E, Sec. 33, SE	20140730
Branchinecta lynchi	vernal pool fairy shrimp	191	specific area		Threatened	None	G3	S3	ORCHARD CREEK CONSERVATION BANK; ABOUT 0.6 MI NW OF INDUSTRIAL AVE AT ATHENS AVE, 1 MI SW OF CA-65 AT TWELVE BRIDGES RD.	MAPPED TO LOCATIONS OF OCCUPIED POOLS FROM 1997 REPORT AND 2009-2011 FIELD SURVEY FORMS. EXACT LOCATION NOT GIVEN FOR DETECTIONS IN 2002 & 2008.	632-ACRE PRESERVE WITH NORTHERN HARDPAN VERNAL POOLS, SWALES, & EMERGENT MARSH IN GRAZED ANNUAL GRASSLAND. MAJORITY OF VERNAL POOLS LOCATED ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS.	Unknown		FOUND IN LOW ABUNDANCE IN VP584, MEDIUM IN VP610, 2 OF 170 POOLS SAMPLED, 17 JAN 1997. 100S OF ADULTS FOUND, 10 JAN 2002. FEWER THAN 10 FOUND, 22 JAN 2008. FOUND IN 1 POOL, 16 MAR 2009, 16 FEB 2010 & 27 JAN 2011. NONE FOUND IN 2014 SURVEY.	60278.86727	-10 N4300887 E64N	R06E, Sec. 33, SW	20140822
Buteo swainsoni	Swainson's hawk	2202	80 meters		None	Threatened	G5	S3	N SIDE OF DYER LN, ABOUT 0.25 MI ENE OF TAN WOODS RD JUNCTION & 1.75 MI NNW OF WATT AVE AT ELVERTA RD, NW OF ANTELOPE.	MAPPED TO COORDINATES FROM CDFW 2000-2004 NEST RECORDS.	NEST IN 50' VALLEY OAK WITH GRASSLAND TO THE EAST AND CROPS TO THE WEST. SURVEYOR NOTED MOBBING OF ADULT SWAINSON'S HAWK BY SMALLER BIRD.	Unknown		ACTIVE NEST MONITORED IN 2003; FLEDGLING/BANCHER, STILL A BIT DOWNY, OBSERVED OUT OF NEST ON 19 JUL, WITH BOTH PARENTS AT TOP OF NEST TREE.	20023.32434	-10 N4288756 E63N	R05E, Sec. 11, NW	20130326
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	23	specific area		None	None	G3	S3.1	SOUTH OF LINCOLN 2-3 MILES WEST OF HWY 65.	POOLS IN TREELESS ANNUAL GRASSLAND. BOUNDARIES INDICATE EXTENT OF UNDEVELOPED AREA.	DIVERSE POOL FLORA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.	Unknown	THREAT OF INDUSTRIAL DEVELOPMENT.	SEVERAL POOLS KNOWN FOR THEIR INVERTEBRATE FAUNA. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.	5060666.041	-10 N4301865 E64N	R06E, Sec. 33, NW	19980715

**Attachment A-4
California Natural Diversity Database Search Results**

CNDDDB Version 2022 June																		
Scientific Name	Common Name	Occurrence #	Accuracy	Rare Plant Rank	Federal Listing	CA Listing	Global Rank	State Rank	Location	Location Details	Ecological	Trend	Threat	General Notes	Last Update			
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	315	specific area		Threatened	None	G3	S3	MOORE RANCH PRESERVE & ANTONIO MOUNTAIN RANCH; FROM ABOUT 0.7 MI NW TO 0.8 MI SE OF FIDDYMENT RD AT E CATLETT RD.	MOORE RANCH [MR]: W OF FIDDYMENT; "HIGHLAND RESERVE NORTH" ON SEC 36, "WOODCREEK WEST" ON SEC 31. ANTONIO MOUNTAIN RANCH [AMR]: E OF FIDDYMENT AND NORTH OF ATHENS AVE; SEE ALSO OCC #308.	MR: 2 CONTIGUOUS RESTORATION SITES W/CONSTRUCTED & REFERENCE WETLANDS; 105-1005 FOUND PER POOL; LINDERIELLA OCCIDENTALIS ALSO FOUND. AMR: 808-AC PROPOSED MITIGATION SITE W/ VERNAL POOLS IN GRAZED ANNUAL GRASSLAND; 105-10005 FOUND PER POOL.	Unknown		MR: 0 FOUND 1997; IN 2 POOLS, 2002; IN 4 POOLS, 2003; IN 1 POOL, 2005; IN 1 POOL, 2008; IN 5 POOLS, 2010. AMR: IN 6 POOLS, 2007 (5 MAPPED HERE); IN 7-8 POOLS, 2010 (6 HERE); 2+ COLLECTED, CYSTS IN 14 POOLS (10 HERE) HATCHED & IDED, 2013.	475739.9329	-10 N4301368 E64	12N, R06E, Sec. 31 (N	20170301
<i>Hydrochara rickseckeri</i>	Ricksecker's water scavenger beetle	11	4/5 mile		None	None	G2?	S2?	TWELVE BRIDGES PRESERVE, SOUTH OF LINCOLN.	PRESERVE IS WEST AND SOUTH OF TWELVE BRIDGES HOUSING DEVELOPMENTS; MAPPED FROM APPROXIMATE LOCATION OF TWELVE BRIDGES ROAD.		Unknown		ROGERS SAYS THAT THE POOL THE BEETLE WAS COLLECTED IN WAS DESTROYED WHEN THE DEVELOPMENT WAS BUILT, BUT THAT THE SPECIES ALSO OCCURS IN THE ADJACENT PRESERVE.	5309020.839	-10 N4302013 E64	12N, R06E, Sec. 27 (N	20050330
<i>Lindieriella occidentalis</i>	California lindieriella	185	80 meters		None	None	G2G3	S2S3	0.6 MILE NW OF PLEASANT GROVE RD & SPRR, 1.4 MILE ESE OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.	JUST SOUTH OF ORCHARD CREEK, ORCHARD CREEK MITIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS. MORE MAP DETAIL IN REPORT.	ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIOIDES, NAVARRETIA LEUCOCEPHALA.	Unknown		OBSERVED LINDERIELLA THIS POOL WAS RATED HIGH IN ABUNDANCE.	20024.86928	-10 N4300899 E64	12N, R06E, Sec. 33, SW	20000412
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	788	specific area		Threatened	None	G3	S3	SOUTH SIDE OF SUNSET BLVD WEST, JUST WEST OF ITS INTERSECTION WITH AMORUSO WAY, NW OF ROSEVILLE.	AMORUSO PROPERTY, POOLS VP-5, VP-15, AND VP-45.	VALLEY GRASSLAND WITH SCATTERED VERNAL POOLS, SWALES, AND SEASONAL WETLANDS.	Unknown	DEVELOPMENT (2009).	FOUND IN 15 POOLS, 2009 (3 MAPPED HERE, SEE ALSO OCCURRENCES #731 AND 732).	56229.96712	-10 N4298422 E63	11N, R05E, Sec. 11, NW	20141113
<i>Agelaius tricolor</i>	tricolored blackbird	581	specific area		None	Threatened	G1G2	S1S2	ABOUT 0.2 MI S OF TWELVE BRIDGES DR & INDUSTRIAL AVE INTERSECTION, 0.6 MI N OF ATHENS RD AT INDUSTRIAL AVE, LINCOLN.	COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME "ORCHARD CREEK." MAPPED TO LOCATION PROVIDED IN PORTAL. LOCATION DESCRIBED AS "JUST EAST OF INDUSTRIAL AVENUE, ABOUT 0.25 MILE SOUTH OF TWELVE BRIDGES RD."	HABITAT COMPOSED OF SEVERAL ADJACENT CLUMPS OF HIMALAYAN BLACKBERRY. IN 2014, FORAGING BIRDS WERE FLYING LOW ACROSS INDUSTRIAL AVE TO FORAGE AND AT LEAST ONE WAS HIT BY A CAR.	Unknown	VEHICLE COLLISIONS.	300-500 OBS NESTING ON 5 APR 2014. 1.8K OBS NESTING ON 18 APR 2014. 2.2K OBS ON 16 MAY 2014; 15+ FLEDGLINGS. 2.2K OBS ON 23 MAY 2014; 160 FLEDGLINGS. 5K BIRDS SINGING IN & OUT BLACKBERRY ON 10 APR 2015; ONLY 10 REMAINING BY 17 APR.	45555.15711	-10 N4301186 E64	12N, R06E, Sec. 33, NE	20161115
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	50	specific area	1B.2	None	None	G3	S3	CITRUS HEIGHTS; ALONG CREEK JUST EAST OF FAIR OAKS BLVD BETWEEN OAK BLVD AND OLD AUBURN ROAD.	MAPPED BETWEEN VILLA OAKS AND OLD AUBURN ROAD ALONG SUNRISE CREEK.	DRAINAGE CHANNEL WITH SLOW-MOVING WATER. ASSOCIATED WITH ECHINOCHLOA CRUS-GALLI, POLYGONUM LAPATHIFOLIUM, PASPALUM DILATATUM, CYPERUS ERAGROSTIS, AND SORGHUM HALAPENSE.	Unknown	HERBICIDE SPRAYING AND CHANNEL MAINTENANCE.	NUMEROUS PLANTS SEEN IN JUNE 1994; CHANNEL CLEARED IN EARLY JULY 1994; PLANTS RECOLONIZED/NUMEROUS IN LATE JULY 1994.	88780.44145	-10 N4285706 E65	11N, R07E, Sec. 19, SE	19971223

ATTACHMENT B

Representative Site Photos



Photo 1. Overpass near Staging Area



Photo 2. Pleasant Grove Blvd (Mid-point) Facing East



Photo 3. Pleasant Grove Boulevard (Mid-point) Facing Northwest



Photo 4. Pleasant Grove Boulevard (Mid-point) Facing South

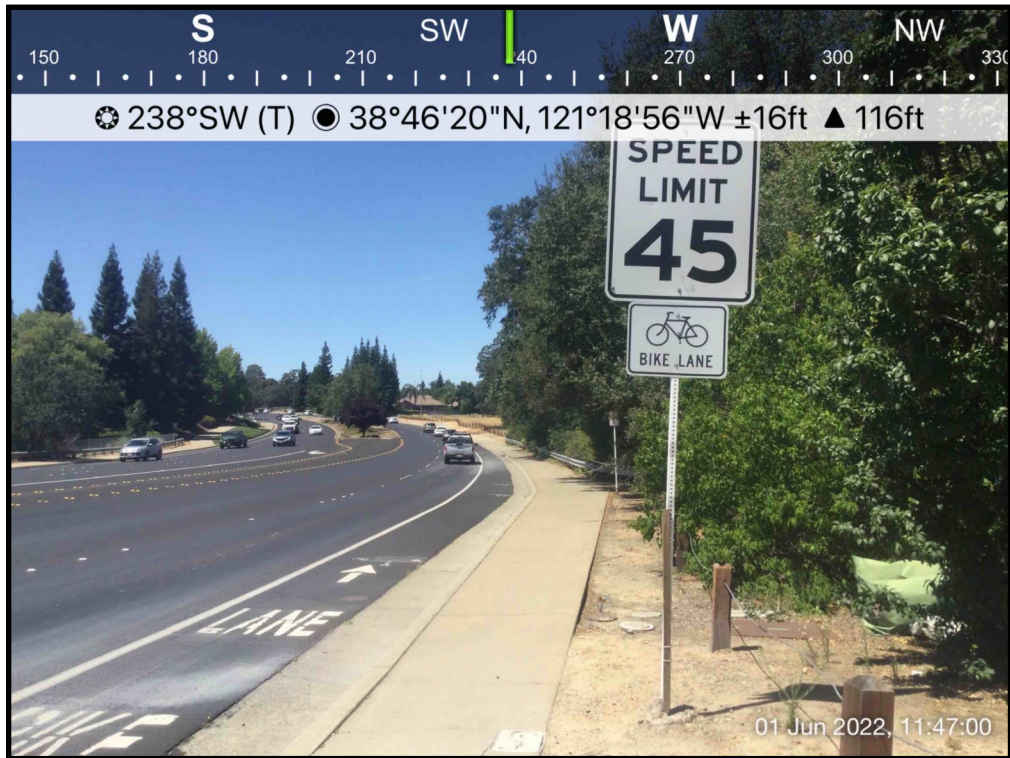


Photo 5. Pleasant Grove Boulevard (Mid-point) Facing Southeast



Photo 6. Pleasant Grove Boulevard (Mid-point) Facing West



Photo 7. Pleasant Grove Boulevard at Foothill Boulevard Facing North

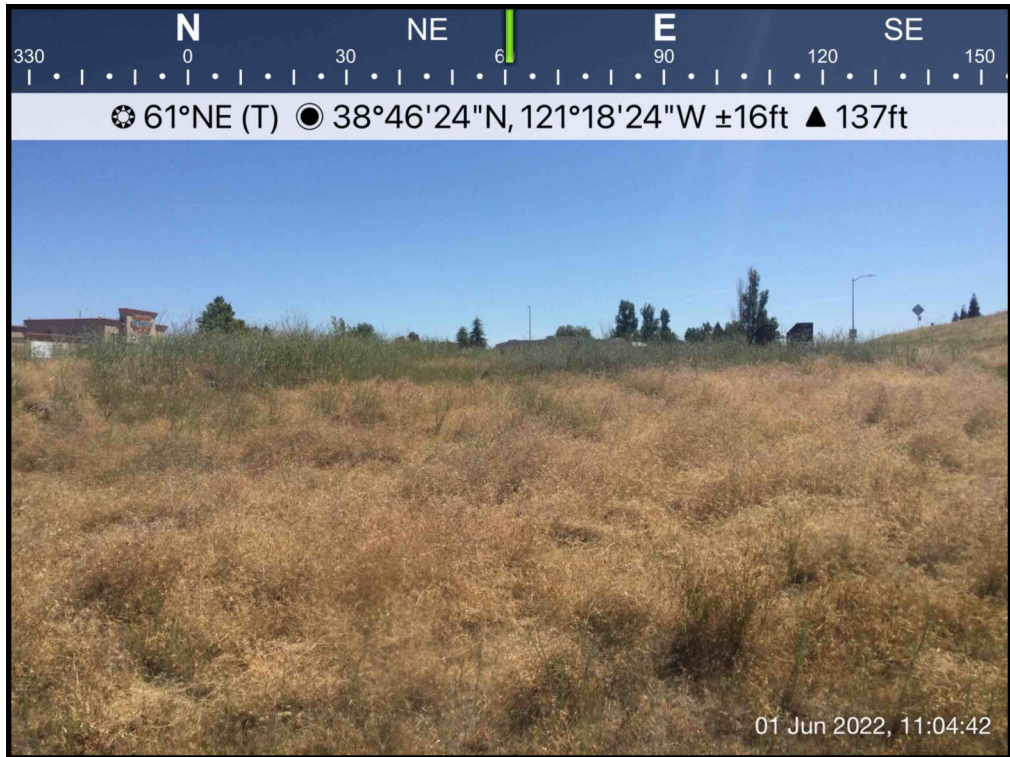


Photo 8. Staging Area Northeast



Photo 9. Staging Area Southeast

ATTACHMENT C

Arborist Report



ARBORIST'S REPORT

PLEASANT GROVE BOULEVARD WIDENING PROJECT

ROSEVILLE, CA

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April 11, 2022





Table of Contents

1.0 INTRODUCTION	1
2.0 TREE SUMMARY AND MITIGATION	1
3.0 TREE SCORING CRITERIA	4
4.0 DISCUSSION AND RECOMMENDATIONS	4
5.0 DESIGN AND PROTECTION CONSIDERATIONS	6
6.0 ASSUMPTIONS, LIMITATIONS AND DISCLAIMER	9

Appendices

- APPENDIX A Tree Inventory Spreadsheet
- APPENDIX B Tree Disposition Map

1.0 INTRODUCTION

Callander Associates has been retained to conduct a tree survey and prepare an arborist report for the Pleasant Grove Boulevard Widening project, located in Roseville, California. The proposed project includes the addition of a lane in the East and West bound directions approximately 1.5 miles from Wood Creek Oaks Boulevard to just east of Foothills Boulevard. The proposed project would shrink or narrow most of the existing medians from 18' wide to 12' wide which could substantially impact the structural integrity and health of the trees located within the medians.

The purpose of this report is to provide an inventory and identify trees within the project limits, provide recommendations for removal of trees, identify mitigation measures for trees proposed to be removed, and provide guidelines to minimize the impacts to trees to be retained, in accordance with the City's Tree Preservation Ordinance. Specific tasks performed were as follows:

- Visited site on March 16 and April 7, 2022.
- Identified and noted tree locations on the *Tree Disposition Map*.
- Determined each trees trunk diameter at approximately 54 inches above grade (Diameter at Breast Height or DBH) per the City of Roseville's guidelines.
- Identified trees recommended for removal due to health conditions or potential hazards.
- Assessed each tree's health and structural integrity (scale of 0 to 5).
- Prepared a written report that presents general observations and provides design recommendations to help avoid or mitigate construction period impacts to trees that will be retained.

2.0 TREE SUMMARY AND MITIGATION

A Level 2 – Basic Visual Assessment was performed in accordance with the International Society of Arboriculture's best management practices unless otherwise noted in the report. This assessment level is limited to the observation of conditions and defects, which are readily visible from the ground. Specific Information regarding each tree is presented within the ***Tree Inventory Spreadsheet*** in Appendix A.

The locations of trees were provided using Google Earth, confirmed in the field and are presented on the ***Tree Disposition Map*** in Appendix B.

At the time of field identification and inventory efforts specific data was gathered for each tree including the tree's species, diameter measured at breast height ("DBH") and dripline radius ("DLR"). Utilizing this data the tree's overall structural condition and vigor were separately assessed ranging from "excellent" to "dead" based upon the observed characteristics noted within the tree and the Arborist's best professional judgment. Ratings are subjective and are dependent upon both the structure and vigor of the tree. The vigor rating considers factors such as the size, color and density of the foliage; the amount of deadwood within the canopy; bud viability; evidence of wound closure; and the presence or evidence of stress, disease, nutrient deficiency and insect infestation. Finally, notable characteristics were documented and recommendations on a tree-by-tree basis were made



which logically followed the observed characteristics noted within the trees at the time of the field inventory effort. The recommendations are based on the opinion that the tree may or may not survive during the construction activities and beyond post-construction.

A total of **63** trees were inventoried and evaluated for structural integrity, health or risk concerns and approximate locations for the trees. A total of **46** trees are protected trees as defined by the City of Roseville Municipal Code, Title 19, Article IV, Chapter 19.66 Tree Preservation. The City of Roseville defines a "Protected Tree" as any native oak tree equal to or greater than 6 inches diameter at breast height (DBH) measured as a total of a single trunk or multiple trunks. The purpose of this field reconnaissance effort was to identify, inventory, and comment upon the current structure and vigor of the "protected trees" located within and/or overhanging the project site. A total of **43** trees are recommended for removal due to the proposed improvements, **37** of which are protected trees for a total DBH removed at **446"**.

Mitigation measures for the removed trees would be required to conform to the **City of Roseville's Ordinance 19.66.070 "Oak Tree Planting and Replacement Program"**. Trees must be replaced at ratio of one inch DSH of tree replaced for each one inch DSH of tree removed (1:1 ratio). This may be achieved with on-site or off-site replacement, or payment of in-lieu fees. The replacement trees shall have a combined diameter equivalent not less than the total diameter of the tree(s) removed. A minimum of 50 percent of the replacement requirement shall be met by native oaks. Up to 50 percent may be met by non-native species. The Approving Authority may approve a replacement program using one of the following four methods or any combination of the four methods. The preferred alternative is on-site replacement.

A. Replacement Trees. Replacement trees may be planted on-site or in other areas where maintenance and irrigation are provided to ensure survival of the trees.

B. Relocation of Trees. In certain cases, the City may consider the relocation of native oak trees from one area in a project to another. Credit shall be given for relocation on the same basis as replacement. The guidelines and limitations for relocation are as follows:

- 1.** The tree(s) being recommended for relocation must be approved by the Approving Authority whose decision will be based upon factors relating to health, type, size, time of year and proposed location.
- 2.** The relocation of a tree shall be conditioned to require a secured five-year replacement agreement for the tree with security provided by the developer in a form satisfactory to the City Attorney. If at the end of five years the tree is deemed by an arborist to be in a substantially similar condition to that prior to the transplanting, the agreement will be terminated. If the tree dies during the five-year period, it shall be replaced as required by this section.

C. Revegetation Requirements. The Approving Authority may, instead of requiring replacement trees, require implementation of a revegetation plan. The developer shall enter into a written agreement with the City obligating the developer to comply with the requirements of the revegetation plan. A performance security or bond for 150 percent of the cost of the revegetation plan shall be required to insure that the agreement is fulfilled. The Approving Authority shall approve the proposed plan. The revegetation program shall propagate native oak trees from seed using currently accepted methods. A revegetation program shall identify the seed source of the trees to be propagated, the location of the plots, the methods to be used to ensure success of the revegetation program, an annual reporting requirement, and the criteria to be used to



measure the success of the plan. A revegetation program shall not be considered complete until the trees to be propagated have reached one-half inch in diameter or the revegetation plan demonstrates the need for alternative success criteria and achieves mitigation on an inch for inch basis as approved by the Planning Commission.

D. In-Lieu Mitigation Fee. The Approving Authority may determine that the remedies described above are not feasible or desirable and may require instead payment of a cash contribution based upon the cost of purchasing, planting, irrigating and maintaining the required number of 15-gallon trees. The cost of purchasing, planting, irrigating and maintaining a 15-gallon oak tree shall be set by City Council resolution. The cash contribution shall be deposited into one or both of the following funds as determined by the Planning Manager:

- 1. Native Oak Tree Propagation Fund.** This fund shall be used to propagate, purchase, plant, protect and maintain native oak trees. Uses of the fund include, but are not limited to, purchasing property to plant or protect native oak trees, propagating native oak trees from seed or container stock and maintaining existing and replacement native oak trees.
- 2. Non-Native Tree Fund.** This fund shall be used to purchase, plant, irrigate and maintain non-native trees within Roseville. Uses of the fund include, but are not limited to, purchasing and propagating non-native trees from seed or container stock and maintaining existing and replacement non-native trees. (Ord. 5428 § 1, 2014.)

The following table shows how various sizes of newly planted replacement trees equates to inches DSH in the tree replacement ratio:

Tree Size	DSH Equivalent
15 Gallon	One inch DSH
24 Inch Box	Two inch DSH
36 Inch Box	Three inch DSH

The trees inventoried for this report are included in the table below, which identifies their name, assigned numbers, counts and percentages of total.

	NAME	TREE NUMBER(S)	COUNT	% OF TOTAL
1.	Valley Oak	1,8-11,13-17,23,25-27,30-32,34-39,41-46,51,52,54-56,58-60	36	57%
2.	Blue Oak	2, 7	2	3%
3.	Interior Live Oak	3-6,12, 24, 28, 29, 33, 40, 53, 57	13	21%
4.	Purple Leaf Plum	18-22, 47-50, 61-63	12	19%
Total Trees			63	100%

All of the trees are located within the medians which will be narrowed to allow for the new traffic lanes. ***In order to best protect the trees to remain prior to construction, the recommendation will be***

to prune the trees to raise the canopies to a minimum of 14' above the finished surface by removing no more than 20% of the total canopy and root prune the trees where excavation is to occur to a depth of 24" at no closer than 6x the tree's DBH.

3.0 TREE SCORING CRITERIA

Each tree has been evaluated for health and structural condition using a scale of 0-5 based on the International Society of Arboriculture (ISA) standard guidelines:

- 5: Excellent:** A healthy, vigorous tree, reasonably free of signs and symptoms of disease with good structure and form typical of species.
- 4: Good:** No apparent structural defects; no weak crotches; no excessively weighted branches and no significant cavities or decay. Tree appears healthy and has little or no significant deadwood; foliage is normal and healthy.
- 3: Fair:** Minor structural problems such as weak crotches, minor wounds and/or cavities or moderate amount of excessive weight; non-critical structural defects which can be mitigated through pruning, cabling or bracing Tree appears stressed or partially damaged; minimal vegetative growth since previous season; moderate amount of deadwood, abnormal foliage and minor lesions or cambium dieback.
- 2: Poor:** Obvious major structural problems which cannot be corrected with mitigation; potential for major limb, trunk or root system failure is high; significant decay or dieback may be present Tree health is declining; no new vegetative growth; large amounts of deadwood; foliage is severely abnormal.
- 1: Hazardous:** Trees in severe decline, dieback of scaffold branches and/or trunk; extensive structural defects that cannot be corrected. The issues may or may not be considered a dangerous situation.
- 0: Dead:** This indicates a tree that has no significant sign of life.

Most of the trees inventoried were in the Fair to Good scoring range. Scoring for each tree is indicated in the ***Tree Inventory Spreadsheet*** in **Appendix A**.

4.0 DISCUSSION AND RECOMMENDATIONS

Tree Health Care

Water Availability

Water is the most limiting factor in our environment and it is required to maintain each leaf on a tree. The larger a tree becomes the more water is required to maintain it. If there is not enough water in the soil at a depth where it becomes available to the tree's roots, the tree will begin to drop leaves to balance the leaf surface to the available water. Irrigation is required once per month for a trees to remain during the months of May - November, unless 1" of rain has been recorded within the 2 week period. The existing oak trees are currently being water with either spray heads, drip emitters or bubblers and would require continuous watering during the summer months.

Tree Root Structure

The majority of a tree's roots are contained in a radius from the main trunk outward approximately two to three times the canopy of the tree. These roots are located in the top 6" to 24" of soil. It is a common misconception that a tree underground resembles that of the canopy. Surface roots are a common phenomenon with trees grown in compacted soil. There are numerous visible surface roots due to the clay soils and watering practices. **The roots shall either be exposed by hand digging, or by a hydraulic air spade, and then cut cleanly with a sharp instrument or cut with a Vermeer or Dosko Root Pruner to a depth of 24" prior to any grading activities at a distance of no closer than 6x the tree's DBH.** Once the roots are severed, the area behind the cut should be moistened and mulched. Roots should not be left exposed.

Roots are the method by which a tree receives water and water-soluble nutrients. The water and nutrients are transported through the tree in the cambium layer, which lies just underneath the bark. Photosynthesis, which occurs in the leaves, requires the water from the roots. In return, the leaves produce sugars to feed the roots. There is a balance between the roots and leaves. There must be enough of each to provide for the other. In re-iteration: The green part of the tree has an equal and more vigorous portion of roots that are unseen below the ground. What you see is a small portion of the tree! In many park settings, the root environment is significantly altered and it is common to see the tree canopy declining as a result of root loss from soil compaction.

Soil Compaction

Soil compaction occurs when the particles, which make up the soil, are re-arranged and broken to reduce the pores or open spaces in the soil. Soil compaction is a serious issue for mature trees. The roots are the method by which a tree receives nutrients, water and air. In addition, Mycorrhizae is a symbiotic fungus, which grows on the roots of trees. This fungus injects nonwatery soluble nutrients, which are required by the tree into the roots. If the soil is compacted and without pore space, no air, water, or water-soluble nutrients are available to the tree, Mycorrhizae does not survive to provide other necessary nutrients and the roots are suffocated. In addition, "anaerobic" decay (without oxygen) will kill the roots, causing the tree to decline and become a whole-tree-failure-hazard.

All of the areas with compacted soil should be mitigated by vertical aeration. Aeration can be accomplished by drilling holes 2" – 3" in diameter and to a depth of about 24". The holes should be spaced at intervals of 24". A topping of sandy loam soil or compost should then be used to fill in the holes (see vertical mulching details). Soil and compost should NOT be added against the bark of any tree. After this repair work is completed, mulch should be added to protect from future compaction. Mulch helps to provide insulation from temperature fluctuations, deter weed growth, moisture retention, and the process by which they break down provides nutrients to the soil. Mulch also helps to distribute pressure as it is placed, such as when a person walks between trees.

Roots and Infrastructure Conflict Resolution and Recommendations

Existing pavement is likely to cover large the roots when they are in close proximity to trees and damage to the infrastructure often occurs. In the landscape area there are many visible exposed roots will need to be cut. It is recommended that roots be cut prior to the start of construction:

1. Do not walk on newly exposed roots.
2. Do not store any materials on newly exposed roots.
3. Roots shall be left in place for Arborist inspection if root pruning is deemed necessary.

4. Any trenching should be by hand in between existing roots with a certified arborist on-site.
5. At any location where the root zone of a tree will be impacted by a trench or a cut (including a cut required for a fill and compaction), the roots shall be exposed with either a backhoe digging radially to the trunk, by hand digging, or by a hydraulic air spade, and then cut cleanly with a sharp instrument, such as a Vermeer or Dosko Root Pruner or chainsaw with a carbide chain.
6. Once the roots are severed, the area behind the cut should be moistened and mulched.
7. A root protection fence should also be erected to protect the remaining roots, if it is not already in place.
8. Further grading work required outside the established RPZ can then continue without further protection measures.
9. The location of utilities on the site can be very detrimental to trees, so there should be as few trenches as possible, and to keep them away from the major trees to be protected.
10. Wherever possible, in areas where trenches will be very deep, consider boring under the roots of the trees, rather than digging the trench through the roots. This technique can be quite useful for utility trenches and pipelines.

Pruning Mature Trees for Risk Reduction

There are few good reasons to prune mature trees. Removal of deadwood, directional pruning, removal of decayed or damaged wood, and end-weight reduction as a method of mitigation for structural faults are the only reasons a mature tree should be pruned. Live wood over 3" should not be pruned unless absolutely necessary. Pruning cuts should be clean and correctly placed. Pruning should be done in accordance with the American National Standards Institute (ANSI) A300 standards. It is far better to use more small cuts than a few large cuts as small pruning wounds reduce risk while large wounds increase risk. Pruning causes an open wound in the tree. Trees do not "heal" they compartmentalize. Any wound made today will always remain, but a healthy tree, in the absence of decay in the wound, will 'cover it' with callus tissue. Large, old pruning wounds with advanced decay are a likely failure point. Mature trees with large wounds are a high failure risk. Overweight limbs are a common structural fault in suppressed trees and should be pruned to reduce the extension of the canopy. **The overall canopy shall not be reduced by more than 20% unless approved by the City Urban Forester.**

5.0 DESIGN AND PROTECTION CONSIDERATIONS

Recommendations presented within this section are intended to serve as guidelines for achieving mitigation and the protection of the trees anticipated to be retained or removed. They should be carefully followed and incorporated into the project plans, and are subject to revision upon reviewing the project plans.

1. **Prior to construction:** A circle with a radius measurement from the trunk of the tree to the tip of its longest limb, plus one foot, shall constitute the critical root zone protection area of each protected tree. Limbs must not be cut back in order to change the dripline. The area beneath the dripline is a critical portion of the root zone and defines the minimum

protected area of each protected tree. Removing limbs that make up the dripline does not change the protected area.

2. **Pruning:** Any protected trees on site which require pruning shall be pruned by a State of California Licensed Tree Contractor (C61/D49), ISA Certified Arborist or Certified Tree Worker prior to the start of construction work. Pruning may include end-weight reduction and removal of small branches up to 3" diameter. Crown raising shall be minimal and shall not be performed without approval by the Project Arborist. All pruning shall be done by a in accordance with the Best Management Practices for Pruning (International Society of Arboriculture, 2002) and adhere to the most recent editions of the American National Standard for Tree Care Operations (Z133.1) and Pruning (A300).
1. **Tree protection and fencing:** Prior to initiating construction, temporary protective fencing shall be installed at least one foot outside the root protection zone of the protected trees in order to avoid damage to the tree canopies and root systems. Fencing should be 6' chain link fence panels on concrete blocks or a four (4') foot high orange or yellow plastic, high visibility fence that shall be staked 10' o.c. maximum spacing, with 5' steel "T" posts or 2" x 2" square wood posts prior to the commencement of any grading operations or such other time as determined by the review body. The contractor shall contact the Project Arborist and the Urban Forester for an inspection of the fencing prior to commencing construction activities on site. A 6" layer of mulch may be installed within the Tree Protection Zone (TPZ). Modifications to fencing at existing hardscape areas or other obstacles should be reviewed by the Project Arborist.
2. **Root Pruning:** Roots shall be cut cleanly using a Vermeer or Dosko Root Pruner, or a clean, sharp handsaw, and shall not be ripped or torn. Cuts shall be made perpendicular to the direction of the root's growth and to a depth of 24". Exposed roots and cut ends shall be promptly covered with moist soil or with burlap that is kept wet until the excavation can be back-filled and watered thoroughly.
3. **Protected trees:** Protected Trees designated for removal will require a permit in accordance to the *City of Roseville Municipal Code, Title 19, Article IV, Chapter 19.66*.
4. **All site related plans:** (e.g. demolition, site, civil, landscape, and electrical) should accurately show the trunk size and location, canopy, and assigned number of each existing tree to remain. The grading and drainage plan should also show existing contour intervals or elevations at trunks of trees to be retained. The following plans should be reviewed for tree-related impacts:
 - a. layout and materials
 - b. demolition
 - c. grading
 - d. drainage
 - e. underground utility
 - f. planting and irrigation
5. **Demolition:** Any removal of paving or structures (i.e. demolition) that occurs within the dripline of a protected tree shall be done under the direct supervision of the Project Arborist. To the maximum extent feasible, demolition work within the dripline protection area of the protected tree shall be performed by hand. If the Project Arborist determines that it is not



feasible to perform some portion(s) of this work by hand, then the smallest/lightest weight equipment that will adequately perform the demolition work shall be used.

6. **All work within the TPZ** should be performed by hand, unless approved by the Project Arborist.
7. **All existing, unused lines or pipes beneath the canopies of retained trees** shall be abandoned or cut off at existing soil grade. This should be specified on the demolition plan.
8. **The future staging area and route of access** should be shown on the final site plan and established outside of the tree canopies.
9. **All utilities and services** should be routed beyond TPZs. Boxes, meters or vaults should be installed outside of the trees' canopies.
10. **Drainage:** Drainage patterns on the site shall not be modified so that water collects, stands or is diverted across the dripline of any protected tree.
11. **Maintenance during construction:** The contractor shall be responsible for providing supplemental water for the trees that are to remain if the existing irrigation system has been damaged or is not fully operational. Frequency and amount shall be as recommended by the Project Arborist.
12. **Trenching:** No trenching shall be allowed within the driplines of protected trees, except as specifically approved by the Project Arborist or City's Urban Forester as set forth in the project's conditions of Approval and/or approved tree permit. If it is absolutely necessary to install underground utilities within the dripline of a protected tree the utility line within the protected zone shall be "bored and jacked" or performed utilizing hand tools to avoid root injury under the direct supervision of the Project Arborist.
13. **Grading:** Grading within the protected zone of a protected tree shall be minimized. Cuts within the protected zone shall be maintained at less than 20% of the critical root zone area. Grade cuts shall be monitored by the Project Arborist. Any damaged roots encountered shall be root pruned and properly treated as deemed necessary by the Project Arborist.
14. **Fills:** If fills are required and exceed 12" in depth, up to 20% of the critical root zone area, aeration systems may serve to mitigate the presence of the fill materials as determined by the Project Arborist. When fill materials are deemed necessary on two or three sides of a tree it is critical to provide for drainage away from the critical root zone area of the tree (particularly when considering heavy winter rainfalls). Overland releases and subterranean drains dug outside the critical root zone area and tied directly to the main storm drain system are two options.
15. **Minor roots:** Roots less than one (1) inch in diameter encountered during approved excavation and/or grading activities may be cut, but damaged roots shall be traced back and cleanly cut behind any split, cracked or damaged area as deemed necessary by the Project Arborist.



16. **Major roots:** Major Roots greater than one (1) inch in diameter encountered during approved excavation and/or grading activities may not be cut without approval of the Project Arborist. Depending upon the type of improvement being proposed, bridging techniques or a new site design may need to be employed to protect the roots and the tree.
17. **Planting:** Landscaping beneath native oak trees may include non-plant materials such as bark mulch, wood chips, boulders, etc. Planting live material under protected native oak trees is generally discouraged, and is not recommended within six (6) feet of the trunk of a native oak tree with a diameter a breast height (DBH) of eighteen (18) inches or less, or within ten (10) feet of the trunk of a native oak tree with a DBH of more than eighteen (18) inches. Only native plant species or those which are drought tolerant shall be planted within the dripline of native oak trees.

6.0 ASSUMPTIONS, LIMITATIONS AND DISCLAIMER

The scope of work assigned for this report pertains solely to trees listed in **Appendix A**.

All information presented in this report considers the condition and appearance of trees observed at the time of the site visit.

All of the conclusions in this report are based solely on the observation of conditions on the site which were readily visible. Trees may appear to be healthy and structurally sound but can contain hidden faults which could result in failure.

My observations were performed visually without extensive probing, excavating or testing.

Existing plant material could visually inhibit the observation of critical defects at the base of a tree such as decay or evidence of decay agents (mushrooms or conks). They also can hide ground heaving, compacted soil, soil contamination, and many other critical evaluation details. Whenever these conditions exist, the visual assessment was limited and the tree should be reevaluated upon removal of the inhibiting condition.

No assurance can be offered that if all my recommendations and precautionary measures are accepted and followed, that the desired results may be achieved.

The information provided herein represents my opinion and may differ from other professionals, arborists or consultants.

This report has been prepared for the sole and exclusive use of the parties to whom it is submitted for the purpose of consulting services provided by Callander Associates.

If any part of this report or copy is lost or altered, the entire evaluation shall be invalid.



Disclaimer:

Please bear in mind that implementation of the recommendations provided within this report will help to reduce adverse impacts of construction on the retained trees; however, implementation of any recommendations should not be viewed as a guarantee or warranty against the trees' ultimate demise and/or failure in the future. Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of the trees and attempt to reduce the risk of living near trees. Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Entities who choose to construct homes on wooded property are accepting a certain level of risk from unpredictable tree related hazards such as toppling in storms, limbs falling and fires that may damage property at some time in the future. Since trees are living organisms their structure and vigor constantly change over time, and they are not immune to changes in site conditions or seasonal variations in the weather. Further, conditions are often hidden within the tree and/or below ground. Arborists and other tree care professionals cannot guarantee that a tree will be healthy and/or safe under all circumstances or for a specific period of time. Likewise remedial treatments cannot be guaranteed. Trees can be managed but they cannot be controlled. To develop land and live near trees is to accept some degree of risk and the only way to eliminate all risk associated with trees would be to eliminate all of the trees. An entity who develops land and builds a home with a tree in the vicinity should be aware of and inform their future residents of this Arborists' Disclaimer, and be further advised that the developer and the future residents assume the risk that a tree could at any time suffer a branch and/or limb failure, blow over in a storm and/or fail for no apparent reason which may cause bodily injury or property damage. **Callander Associates** cannot predict acts of nature including, without limitation, storms of sufficient strength which can even take down a tree with a structurally sound and vigorous appearance.

Prepared by:

Date:

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ISA Certified Arborist WE-8874A
Callander Associates Landscape Architecture, Inc.

April 7, 2022

Appendix A

Tree Inventory Spreadsheet

TREE INVENTORY SPREADSHEET PLEASANT GROVE WIDENING

TOTAL							REMOVED
46	>6" DBH NATIVE OAKS (PROTECTED TREES)						37
17	ALL OTHER TREES						6
63	TOTAL TREES						43

#	Botanical Name	Common Name	DBH	Condition	Canopy Radius	Comments	Protected Tree	Remove
1	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'		Y	X
2	<i>Quercus douglasii</i>	Blue Oak	28"	Good	22'		Y	X
3	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Good	6'		N	
4	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Good	3'	Multi-stem	Y	
5	<i>Quercus wislizeni</i>	Interior Live Oak	8"	Good	15'		Y	
6	<i>Quercus wislizeni</i>	Interior Live Oak	8"	Fair	15'	Leaning	Y	
7	<i>Quercus douglasii</i>	Blue Oak	38"	Fair	32'	Open cavities	Y	X
8	<i>Quercus lobata</i>	Valley Oak	8"	Fair	15'	Numerous galls on branches	Y	
9	<i>Quercus lobata</i>	Valley Oak	10"	Fair	15'	Leaning	Y	X
10	<i>Quercus lobata</i>	Valley Oak	8"	Good	15'		Y	
11	<i>Quercus lobata</i>	Valley Oak	4"	Good	12'		N	
12	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Good	12'		Y	
13	<i>Quercus lobata</i>	Valley Oak	12"	Good	12'		Y	
14	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'		Y	
15	<i>Quercus lobata</i>	Valley Oak	14"	Good	15'		Y	
16	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'		Y	X
17	<i>Quercus lobata</i>	Valley Oak	8"	Fair	12'	Poor structure	Y	X
18	<i>Prunus cerasifera</i>	Flowering Plum	8"	Good	10'	Multi-stem	N	
19	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	10'	Leaning	N	
20	<i>Prunus cerasifera</i>	Flowering Plum	2"	Fair	4'	Remove suckers at base	N	
21	<i>Prunus cerasifera</i>	Flowering Plum	12"	Good	10'	Remove dead wood	N	
22	<i>Prunus cerasifera</i>	Flowering Plum	12"	Good	10'	Multi-stem	N	
23	<i>Quercus lobata</i>	Valley Oak	8"	Good	10'		Y	X
24	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	4'	Leaning	N	X
25	<i>Quercus lobata</i>	Valley Oak	6"	Good	12'		Y	X
26	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'	Numerous galls on branches	Y	X
27	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'		Y	X
28	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Fair	7'	Sun scalding on trunk	Y	X
29	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	5'	Poor structure	N	X
30	<i>Quercus lobata</i>	Valley Oak	8"	Good	15'	Surface roots visible	Y	X
31	<i>Quercus lobata</i>	Valley Oak	10"	Good	15'	Surface roots visible	Y	X
32	<i>Quercus lobata</i>	Valley Oak	10"	Good	15'	Surface roots visible	Y	X
33	<i>Quercus wislizeni</i>	Interior Live Oak	12"	Good	12'	Surface roots visible	Y	X

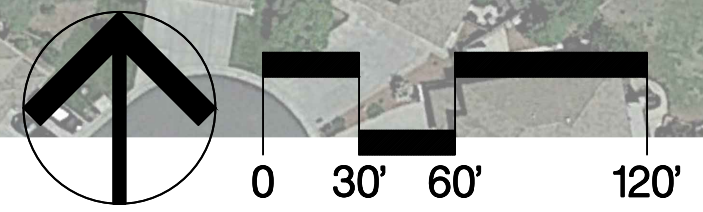
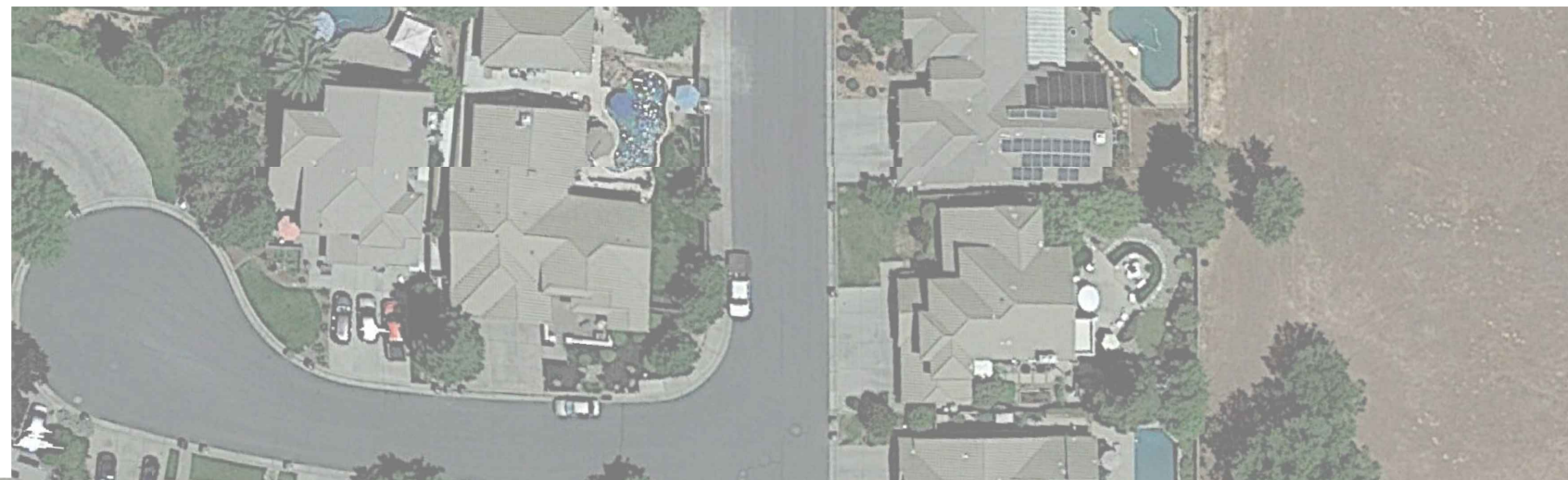
TREE INVENTORY SPREADSHEET PLEASANT GROVE WIDENING

34	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'	Surface roots visible	Y	X
35	<i>Quercus lobata</i>	Valley Oak	14"	Good	18'	Surface roots visible	Y	X
36	<i>Quercus lobata</i>	Valley Oak	10"	Good	18'	Surface roots visible	Y	X
37	<i>Quercus lobata</i>	Valley Oak	14"	Fair	25'	Codominant leaders	Y	X
38	<i>Quercus lobata</i>	Valley Oak	12"	Good	20'	Surface roots visible	Y	X
39	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'	Surface roots visible	Y	X
40	<i>Quercus wislizeni</i>	Interior Live Oak	4"	Fair	5'	Sun scalding on trunk	N	
41	<i>Quercus lobata</i>	Valley Oak	14"	Good	20'	Leaning	Y	X
42	<i>Quercus lobata</i>	Valley Oak	16"	Good	22'	Surface roots visible	Y	X
43	<i>Quercus lobata</i>	Valley Oak	6"	Poor	14'	Numerous galls on branches	Y	X
44	<i>Quercus lobata</i>	Valley Oak	10"	Fair	18'	Leaning	Y	X
45	<i>Quercus lobata</i>	Valley Oak	12"	Good	15'	Numerous galls on branches	Y	X
46	<i>Quercus lobata</i>	Valley Oak	10"	Good	18'		Y	X
47	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	10'		N	X
48	<i>Prunus cerasifera</i>	Flowering Plum	6"	Fair	6'	Leaning	N	X
49	<i>Prunus cerasifera</i>	Flowering Plum	6"	Good	8'		N	X
50	<i>Prunus cerasifera</i>	Flowering Plum	10"	Good	10'	Surface roots visible	N	X
51	<i>Quercus lobata</i>	Valley Oak	6"	Good	12'		Y	X
52	<i>Quercus lobata</i>	Valley Oak	6"	Good	10'		Y	X
53	<i>Quercus wislizeni</i>	Interior Live Oak	6"	Good	8'		Y	X
54	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
55	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
56	<i>Quercus lobata</i>	Valley Oak	6"	Good	8'		Y	X
57	<i>Quercus wislizeni</i>	Interior Live Oak	10"	Good	8'		Y	X
58	<i>Quercus lobata</i>	Valley Oak	6"	Good	10'		Y	X
59	<i>Quercus lobata</i>	Valley Oak	8"	Good	10'		Y	X
60	<i>Quercus lobata</i>	Valley Oak	10"	Good	10'		Y	X
61	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	
62	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	
63	<i>Prunus cerasifera</i>	Flowering Plum	4"	Good	6'		N	

**APPENDIX B:
TREE DISPOSITION MAP**

TREE DISPOSITION LEGEND

- ⊗ REMOVE AND DISPOSE OF EXISTING TREE
- ⊙ EXISTING TREE TO REMAIN, PROTECT IN PLACE
- 12 TREE TAG NUMBER, REFER TO ARBORIST REPORT



WOODCREEK OAKS
GOLF COURSE

PLEASANT GROVE BLVD.

KIPLING CT.

BECKETT DR.

ALCOTT CT.

Google Earth

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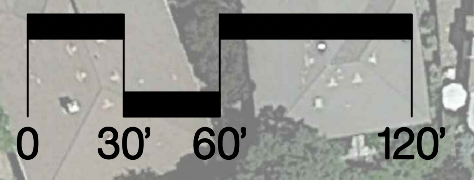
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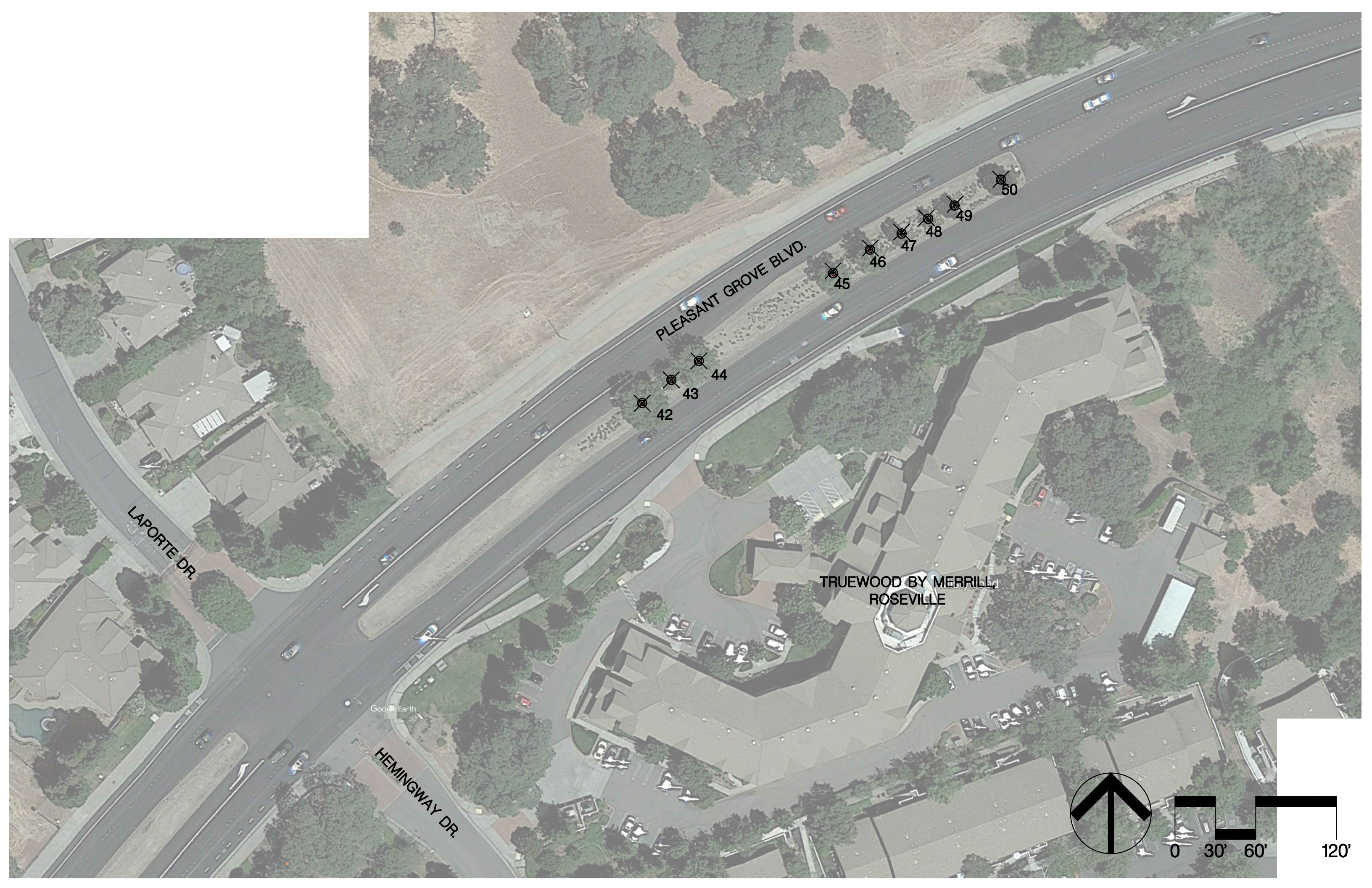
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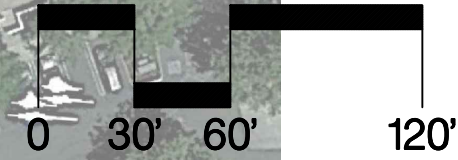
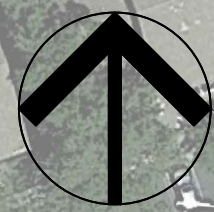
PLEASANT GROVE BLVD.

LAPORTE DR.

HEMINGWAY DR.

TRUEWOOD BY MERRILL,
ROSEVILLE

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- 43
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- 50



PLEASANT GROVE BLVD.

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Timmy Gingers

Los Cabos Grill

Verizon Auto

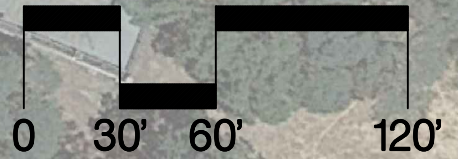
Lollicup

Starbucks

Tandoori flame Halo Salon & Day Spa

Google Earth

Riolo & Associates





PLEASANT GROVE BLVD.

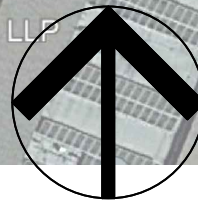
61 62 63

Vista Point Eye Care

McKague Rosasco LLP

Google Earth

Riolo & Associates



0 30' 60' 120'

APPENDIX D

Cultural Resources Inventory Report
for the
City of Roseville Pleasant Grove Boulevard Widening Project
(ECORP Consulting, Inc. August 5, 2022.)

CONFIDENTIAL

**Cultural Resources Inventory Report
for the
City of Roseville Pleasant Grove Boulevard
Widening Project**

Placer County, California

Prepared For:

Psomas Engineering
1075 Creekside Drive
Roseville, California 95678

Prepared By:

 **ECORP Consulting, Inc.**
ENVIRONMENTAL CONSULTANTS
2525 Warren Drive
Rocklin, California 95677

July 2022

The Cultural Resources Inventory and Evaluation Report prepared for the Pleasant Grove Boulevard Widening Project contains confidential information on the specific location of cultural resources. This information is not for publication or release to the general public. It is for planning, management, and research purposes only. Information on the specific location of pre-contact and historic sites is exempt from the Freedom of Information Act and California Public Records Act.

Qualified individuals with a need to review this report may contact the City of Roseville to request a copy.

APPENDIX E

Paleontological Assessment Memorandum
for the
City of Roseville Pleasant Grove Boulevard Project,
Placer County, California
(ECORP Consulting, Inc. August 5, 2022.)



August 5, 2022

Terri Shirhall
Environmental Coordinator
Development Services Department
311 Vernon Street
Roseville, California 95678
Via e-mail to: tshirhall@roseville.ca.us

RE: *Paleontological Assessment Memorandum for the City of Roseville Pleasant Grove Boulevard Widening Project, Placer County, California*

Dear Ms. Shirhall:

ECORP Consulting, Inc. completed a thorough investigation on the potential to directly impact paleontological resources during the construction of the Pleasant Grove Boulevard Widening Project. This investigation included a paleontological record search through the University of California Museum of Paleontology (UCMP) database, the Paleobiology Database, and a desktop study of the geology and paleontology of the Project Area. The Project site is located east of State Route (SR) 65 at the City of Roseville's (City's) eastern boundary with the City of Rocklin and extends west approximately 6.3 miles to Westbrook Boulevard near the City's western boundary (ECORP 2022). The site can be located on the Roseville quadrangle (U.S. Geological Survey [USGS] 7.5-minute topographic map) at Sec. 28-29, T11N, R06E.

GEOLOGIC UNITS

The Project site is located along the eastern margin of the Sacramento Valley and western margin of the Sierra Nevada foothills. Along with the San Joaquin Valley to the south (collectively referred to as the Great Valley geomorphic province), thousands of feet of sedimentary deposits have collected in the Valley over geologic history. Today, much of the surface of the Great Valley is covered with Holocene (11,700 years ago to present) and Pleistocene (2.6 million years ago to 11,700 years ago) alluvium composed of sediments transported by water from the Sierra Nevada to the east and Coast Range to the west (AECOM 2020).

The surficial geology of the project site is composed of Pleistocene nonmarine sediments belonging to the Turlock Lake Formation (Qtl) (Wagner et al. 1981; Figure 1). Although there are overlying geologic units that are also of high sensitivity, these units (i.e., Riverbank and Modesto formations) may not be present in the Project Area. Furthermore, because the Project Area is highly disturbed from previous construction of the road alignment, future construction may only reach depths within disturbed soils. In case of depths exceeding disturbed soils at the surface, the four commonly found geologic units in the area are briefly discussed below from youngest to oldest (AECOM 2011).

Holocene Alluvium (Qha) (11,700 Years Before Present to Present)

Holocene alluvium consists of sand, gravel, and silt, generally containing only the remains of extant or modern taxa; low paleontological sensitivity.

Modesto Formation (Qm2, Qm1) (12,000 to 26,000 Years Before Present and 29,000 to 42,000 Years Before Present, Respectively)

The Modesto Formation consists of late Pleistocene tan to light gray gravelly sand, silt, and clay forming alluvial terraces and fans; high paleontological sensitivity.

Riverbank Formation (Qr3, Qr2, Qr1) (130,000 to 450,000 Years Before Present)

The Riverbank Formation consists of Pleistocene reddish gravel, sand, and silt derived from ancient rivers, contains more mafic rock fragments than found in the San Joaquin Valley, and therefore can be easily distinguished from the Modesto Formation; high paleontological sensitivity.

Turlock Lake Formation (Qtl) (450,000 to 600,000 Years Before Present)

The Turlock Lake Formation consists of Pleistocene fine sand, silt, gravel, and clays eroded from alluvial fans derived from the plutonic rocks of the Sierra Nevada; high paleontological sensitivity.

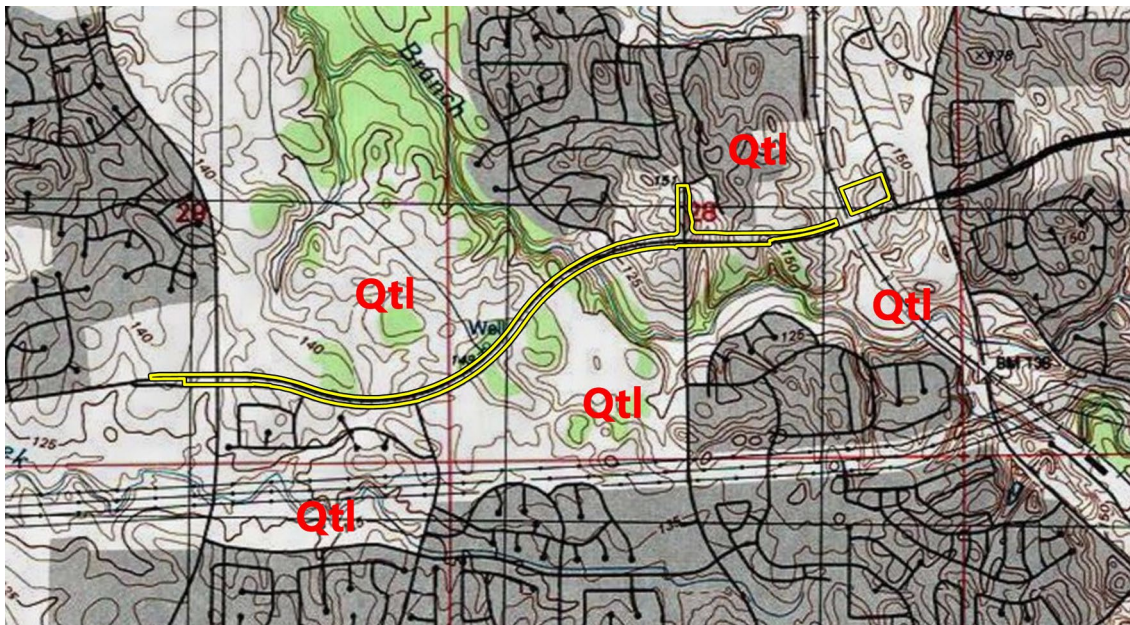


Figure 1. Geologic map showing Project alignment (yellow) and geologic unit (Qtl = Turlock Lake Formation) found at the Project site (USGS 1992).

RECORD SEARCH RESULTS

A paleontological record search was conducted by AECOM (2019) through the UCMP. Although no fossils have been documented from the Proposed Project site, there have been fossils discovered from the same geologic units as those found at the Project site. In addition to the record search results, ECORP conducted an online record search on the UCMP database and published and unpublished literature. The UCMP database has a record of a single molar fragment from *Mammut americanum* (UCMP 1574) found nearby in the City of Rocklin. There are numerous sites throughout the Great Valley where Ice Age fauna have been recovered from the Modesto, Riverbank, and Turlock Lake formations. Table 1 lists a few of these localities.

Location	Formation	Taxa	Reference
Tranquility site, Fresno County	Modesto	Fish, turtles, snakes, birds, moles, gophers, mice, wood rats, voles, jack rabbits, coyotes, red fox, grey fox, badgers, horse, camel, pronghorn antelope, elk, deer, bison	AECOM, 2020
Sacramento area	Riverbank	Mammoth, bison, camel, coyote, horse, Harlan's ground sloth, antelope, deer, rabbit, woodrat, fish, mole, mice, squirrel, snake, gopher, dire wolf, frog, Pacific pond turtle, duck, geese, swan	AECOM, 2020
Fairmead Landfill, Madera County	Turlock Lake	> 15,000 fossils from over 35 species including mammoth, ground sloth, giant short-faced bear, saber tooth cat, wolf, deer, camel, horse, antelope, rodents, birds, reptiles, fish, and prehistoric vegetation	AECOM, 2020 Kottachchi et al. 2008, 2009, 2011
SR 180 West Freeway, Fresno County	Turlock Lake	Camel, horse, mammoth	AECOM, 2020
Roseville	Turlock Lake	Fish, plant fragments, petrified wood, ichnofossils	AECOM, 2011

RECOMMENDATIONS

Given that the Project site is in a well-developed area, a pedestrian survey is not recommended. The majority of road construction excavations will not exceed 4 to 5 feet below ground surface; therefore, it is safe to assume that no monitoring will be required at these locations. Spot-checking is recommended at depths of 9 feet and greater during relocation of signal poles (up to 11 feet deep) and a storm drain (up to 9 feet deep). If Pleistocene alluvial deposits are visible at these depths, full-time monitoring is required for the remainder of excavations at these locations. If no Pleistocene alluvial deposits are visible at these

depths, spot-checking may halt. The paleontologist has the authority to divert heavy machinery away from the find(s) until the scientific value of the fossil(s) can be assessed. If of scientific significance, all pertinent field data will be collected, and the fossil(s) salvaged. The fossil(s) will be transported to a laboratory facility for cleaning and preparation prior to being transported and deposited in an accredited repository, such as the UCMP Berkeley, where they will be curated and made available for scientific study.

Sincerely,

Niranjala Kottachchi
Principal Paleontologist

REFERENCES

- AECOM. 2020. City of Roseville 2035 General Plan Update, Final Environmental Impact Report, 930p.
- _____. 2011. City of Citrus Heights General Plan Update and Greenhouse Gas Reduction Plan, Final Environmental Impact Report.
- _____. 2010. Rio del Oro Specific Plan Project, Final Environmental Impact Report. Environmental Impact Statement, Volume IV.
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- Kottachchi, N, Ybarra, Y, and Dundas R.G. 2011. *Camelops* from the Middle Pleistocene (Middle Irvingtonian) Fairmead Landfill Locality, Madera County, California. Society of Vertebrate Paleontology Conference (November 2011), Las Vegas, NV. of southern California. *California State University Desert Symposium Proceedings* pp. 140-143.
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- University of California Museum of Paleontology, Berkeley 2022. Database search: <https://ucmpdb.berkeley.edu/>.
- U.S. Geological Survey (USGS) 7.5-minute Roseville Topographic Quadrangle 1992.
- Wagner, D.L., Jennings, C.W., Bedrossian, T.L., and Bortugno, E.J. 1981. Geologic map of the Sacramento Quadrangle, California 1:250,000.

APPENDIX F

Phase I Environmental Site Assessment,
Pleasant Grove Boulevard Widening Project,
7465 Foothills Boulevard
(Blackburn Consulting. August 2022.)

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

Prepared for:



City of Roseville
311 Vernon Street
Roseville, CA 95678

Prepared by:



2491 Boatman Ave.
West Sacramento, CA 95691
(916) 375-8706

West Sacramento Office:
2491 Boatman Ave
West Sacramento, CA 95691
(916) 375-8706



Auburn (530) 887-1494
Fresno (559) 438-8411

Blackburn File No. 4262.X
August 9, 2022

Mr. Noah Siviglia
City of Roseville Public Works
311 Vernon Street
Roseville, CA 95678

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT
Pleasant Grove Boulevard Widening Project
7465 Foothills Boulevard (APN 017-232-022-000)
Roseville, California

Dear Mr. Siviglia:

Blackburn Consulting (Blackburn) prepared this Phase I Environmental Site Assessment (ESA) for the City of Roseville's partial acquisition of Assessor Parcel Number (APN) 017-232-022-000, located at 7465 Foothills Boulevard, in Roseville, California. The purpose of our assessment is to identify recognized hazardous material conditions that may significantly impact property development. Blackburn completed this report in accordance with our proposal dated June 16, 2022.

Blackburn appreciates the opportunity to be part of your team. Please call if you have questions or require additional information.

Sincerely,

BLACKBURN CONSULTING

Rob Sandquist, PE
Project Manager

Laura Long
Environmental Project Manager

TABLE OF CONTENTS

EXECUTIVE SUMMARY	i
1 INTRODUCTION	1
2 PROJECT DESCRIPTION AND LOCATION	2
2.1 Current Land Use	2
2.2 Topography and Drainage	2
2.3 General Geologic Conditions	3
2.4 Surface Water, Groundwater and Wells	3
2.5 Historical Land Use	3
2.5.1 Aerial Photograph Review	3
2.5.2 Topographic Map Review	5
2.5.3 Historical Sanborn® Map Review	5
3 RECORDS REVIEW	6
3.1 County, State, and Federal Records Review	6
3.2 Summary of Records Search	6
3.2.1 Orphan Sites	6
3.2.2 Known and/or Potential RECs at the Acquisition Parcel	6
3.2.3 Adjacent Parcels with Known and/or Potential RECs	7
3.2.4 Nearby Sites with Known and/or Potential RECS	7
3.3 Historical City Directory Review	12
3.4 Title Documents Review	12
4 SITE RECONNAISSANCE	12
5 OWNER/OPERATOR INTERVIEW	13
6 DATA GAPS	13
7 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS	13
7.1 Potential RECs at and Adjacent to APN 017-232-022-000	13
7.2 General Hazardous Materials Conditions	13
8 QUALIFICATIONS	14
9 LIMITATIONS	14

TABLE OF CONTENTS (cont.)

FIGURES

Figure 1: Vicinity Map

Figure 2: Site Plan

APPENDIX A

Aerial Photographs

APPENDIX B

Topographic Maps

APPENDIX C

Sanborn Maps Search

APPENDIX D

EDR Report

APPENDIX E

City Directory Search

APPENDIX F

Fidelity National Title Report.

APPENDIX G

Site Photographs

DRAFT

EXECUTIVE SUMMARY

Blackburn Consulting (Blackburn) prepared this Phase I Environmental Site Assessment (ESA) for the City of Roseville's partial acquisition of APN 017-232-022-000, located at 7465 Foothills Boulevard, in Roseville, California. The purpose of this assessment is to identify Recognized Environmental Conditions¹ (RECs) that may be present within and/or adjacent to the acquisition area (Site). We prepared this report in general conformance with the American Society of Testing and Materials (ASTM) Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

Blackburn did not identify any hazardous materials conditions at or adjacent to the Site.

General Hazardous Materials Conditions

Construction of Pleasant Grove Boulevard was completed between 1993 and 1998, therefore, we do not anticipate aerially deposited lead (ADL) along the project alignment.

¹ BCI uses the term Recognized Environmental Condition (REC) in general compliance with ASTM E1527-13, which defines the meaning as "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to any release to the environment, (2) under conditions indicative of a release to the environment or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimus conditions that generally do not 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 the appropriate regulatory agencies. Conditions determined to be de minimus are not recognized environmental conditions."

1 INTRODUCTION

Blackburn Consulting (Blackburn) prepared this Phase I Environmental Site Assessment (ESA) for the City of Roseville (City) to use for the Pleasant Grove Boulevard Widening Project (Project) in Roseville, California (Figure 1, Vicinity Map). The City proposes to acquire a portion of APN 017-232-022-000 (Parcel) located at 7465 Foothills Boulevard in Roseville, California. The acquisition area (Site) is a small sliver (~12,000 square feet) of the south edge of the Parcel adjacent to Pleasant Grove Boulevard (Figure 2, Site Plan).

The purpose of our assessment is to identify Recognized Environmental Conditions² (RECs), potential RECs, and historical RECs, referred to collectively as RECs, that may be present within and/or adjacent to the acquisition area. We prepared this report in general conformance with the American Society of Testing and Materials (ASTM) Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

Blackburn prepared this report for the City to support land acquisition for the project. Do not use or rely upon this report for different locations or improvements without Blackburn's written consent.

To prepare this ESA, Blackburn:

- Reviewed published maps and literature for the general site geology, groundwater, and soil conditions.
- Reviewed historical aerial imagery and topographic maps, and City Directory coverage of the Site and surrounding properties to identify past and present land use for indications of potential sources of contamination,
- Performed federal, state, and county records review for indications of the use, misuse, or storage of hazardous materials and/or potentially hazardous materials at or near the Site.
- Performed state records review of on-line databases GeoTracker and EnviroStor to identify known site impacts and previous environmental assessments completed at the Site.
- Conducted a site visit to observe current land use and signs of potential contamination, as well as hazardous and potentially hazardous waste issues on the Site and immediately adjacent areas.
- Contacted the property owner to obtain information regarding the potential for contamination at the Site.

² Blackburn uses the term Recognized Environmental Condition (REC) in general compliance with ASTM E1527-13, which defines the meaning as *"The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to any release to the environment, (2) under conditions indicative of a release to the environment or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimus conditions that generally do not 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 the appropriate regulatory agencies. Conditions determined to be de minimus are not recognized environmental conditions."*

2 PROJECT DESCRIPTION AND LOCATION

The Project will widen approximately 1.45 miles of roadway along Pleasant Grove Boulevard. Improvements will extend from Woodcreek Oaks Boulevard to one quarter mile east of the Foothills Boulevard intersection. Ultimately there will be three travel lanes in each direction. The Parcel (APN 017-232-022-000) is bordered by Foothills Boulevard to the west, Pleasant Grove Boulevard to the south, Union Pacific Railroad (UPRR) to the east, and TSI Semiconductors to the north.

The acquisition Site includes the southernmost edge of the Parcel adjacent to the sidewalk on the north side of Pleasant Grove Boulevard, from the intersection of Foothills Boulevard extending ¼ mile east. The Site is approximately 12 feet wide and ¼ mile in length. Figure 2 presents the Site Plan.

2.1 Current Land Use

The Parcel is currently developed with a parking lot that appears to be associated with the TSI Semiconductor manufacturing and research facility which, although fenced together with the Parcel, is primarily located on the parcel (APN 017-232-017-000) to the north. The area directly surrounding the parking lot is landscaping and lawns. Two truck parking areas are in the southeast corner of the Parcel. A road encircles the parking lots and a walking trail is located around the perimeter. A chain link fence is on the exterior side of the walking path. A natural ravine is in the southwest quadrant of the Parcel.

The Site (area proposed for acquisition) is the southernmost portion of the Parcel and is outside the fence. The south edge of the Parcel is a graded slope with a height of 4 to 15-feet above Pleasant Grove Boulevard existing grade. The Site, which is at the bottom of the slope, is approximately 12 feet wide, is relatively flat and is immediately adjacent to the sidewalk along Pleasant Grove Boulevard. The Site is covered with bare soil, decomposed granite, and vegetation. The site elevation increases from west to east as Pleasant Grove Boulevard goes over the Union Pacific Railroad (UPRR) tracks.

The surrounding area consists of commercial development along the south side of Pleasant Grove Boulevard, UPRR to the east, residential development on the west side of Foothills Boulevard, and TSI Semiconductor to the north.

2.2 Topography and Drainage

While the topography of the Parcel is sloped and has a natural ravine feature, the topography of the Site is generally flat from north to south, and the elevation increases from west to east from approximately 140 to 165 feet above mean sea level (msl) based on Google Earth 2018 Maps, Imagery Date of 2018, Roseville, California.

Stormwater appears to drain towards the ravine, which directs flow generally south toward Pleasant Grove Boulevard. Stormwater runoff from the Site is directed to the curb and gutter along Pleasant Grove Boulevard which directs flow west towards Foothills Boulevard.

2.3 General Geologic Conditions

The project area is in the northern Sacramento Valley. Physiographically, the area is along the northeastern edge of the Great Valley Geomorphic Province. This province includes the Sacramento and San Joaquin Valleys, which are bounded by the Sierra Nevada on the east and the Coast Ranges on the west. The Sacramento Valley is a structural trough that represents the northern third of the Great Valley.

The relatively flat surface of the Sacramento Valley is underlain by alluvial, lacustrine, and marine sedimentary deposits that have accumulated as the structural trough formed and the adjacent mountain ranges were elevated. The thickness of the sediments varies from a thin veneer along the valley edges to thousands of feet at the axis of the trough. The main axis of the trough is oriented north-south along the valley's main drainage axis.

2.4 Surface Water, Groundwater and Wells

The California Department of Water Resources (DWR) has divided the State of California (State) into ten separate hydrologic regions, corresponding to the State's major drainage basins. Sacramento is located within the Sacramento River Hydrologic Region which encompasses an area of approximately 10 million acres (15,600 square miles).

Environmental Data Resources, Inc. (EDR) performed a search of databases for wells located within a one-mile radius from the approximate outline of APN 017-232-022-000. The EDR well search identified:

- 0 Federal USGS wells within a one-mile radius.
- 2 State Database Wells within a one-mile radius (1/2-mile west and 1/3-mile southeast).

The *DWR Groundwater Bulletin 118* maps the Site in the Sacramento Valley Groundwater Basin. Blackburn reviewed general groundwater level data available at the Department of Water Resources (DWR) website www.water.ca.gov/waterdatalibrary. Depth to groundwater at one State Database well located approximately 1/3-mile southeast of the Parcel is reported at 320 feet below ground surface (bgs) and at the State Database well 1/2 mile to the west is reported at 200 feet bgs.

2.5 Historical Land Use

The Parcel was undeveloped until approximately 1984 when the parking lot and roadways for NEC Electronics/TSI Semiconductors was constructed. The property and structures to the north were developed further by 1993 and the parcel has remained relatively unchanged since then. The property was originally owned and operated by NEC Electronics until TSI Semiconductors acquired it in 2011.

2.5.1 Aerial Photograph Review

Blackburn reviewed historical aerial photography (listed below in Table 1) to identify conditions that may indicate potential hazardous materials issues within or adjacent to the Site. Appendix A contains copies of the aerial photographs.

Table 1: Aerial Photo Summary

Year	Scale	Details	Source
1947	1 inch = 500 feet	Flight Date: July 28, 1947	USGS
1952	1 inch = 500 feet	Flight Date: July 18, 1952	USDA
1957	1 inch = 500 feet	Flight Date: August 24, 1957	USDA
1962	1 inch = 500 feet	Flight Date: July 28, 1962	USGS
1966	1 inch = 500 feet	Flight Date: August 04, 1966	USGS
1972	1 inch = 500 feet	Flight Date: June 28, 1972	USDA
1975	1 inch = 500 feet	Flight Date: August 25, 1975	USGS
1984	1 inch = 500 feet	Flight Date: June 08, 1984	USDA
1993	1 inch = 500 feet	Acquisition Date: May 23, 1993	USGS/DOQQ
1998	1 inch = 500 feet	Acquisition Date: January 01, 1998	USGS/DOQQ
2005	1 inch = 500 feet	Flight Year: 2006	USDA/NAIP
2009	1 inch = 500 feet	Flight Year: 2009	USDA/NAIP
2012	1 inch = 500 feet	Flight Year: 2012	USDA/NAIP
2016	1 inch = 500 feet	Flight Year: 2016	USDA/NAIP

1947: The parcel is undeveloped. The Southern Pacific Railroad is visible adjacent to the east side of the Parcel. An unimproved road is adjacent to the railroad. Streams are visible north and south of the parcel.

1952: An improved road is visible approximately 500-feet east of the railroad. A small tributary from the south stream extends north into the Parcel at the southwest corner.

1957: The Parcel is an agricultural field.

1962: No significant changes.

1966: No significant changes.

1972: The Parcel is no longer agricultural.

1975: No significant changes.

1984: Foothills Boulevard is visible in its current alignment. The south entrance to manufacturing facility extends from Foothills Boulevard into the west edge of APN 017-232-022-000. Construction of TSI Semiconductor has begun.

1993: Pleasant Grove Boulevard is under construction along the south edge of the Parcel. The manufacturing facility is completed. The Parcel is developed with two parking lots and a portion of a baseball field. A road extends around the perimeter of the Parcel. a housing development is visible to the west of Foothills Boulevard.

1998: Construction of Pleasant Grove Boulevard is complete (including bridge over UPRR). A new development is visible south of Pleasant Grove Boulevard.

2005: No significant changes to the acquisition parcel. The adjacent property north of the Parcel has been graded and is under development.

2009: No significant changes.

2012: No significant changes.

2016: No significant changes.

2.5.2 Topographic Map Review

Blackburn reviewed historical USGS topographic maps to identify conditions that may indicate potential hazardous materials issues within the acquisition area. Our review included:

- 30-minute quad maps from 1891, 1892, and 1893 (Sacramento).
- 7 ½ -minute quad maps from 1910, 1953, 1967, 1975, 1981, 1992, and 2012 (Roseville).
- 15-minute quad maps from 1941 and 1942 (Markham Ravine).

Copies of topographic maps are in Appendix B. The summary below includes the noted changes within and adjacent to the acquisition area as recorded on the maps.

1891/1892/1893: The Parcel and surrounding area are undeveloped. The Southern Pacific Railroad exists in its current alignment. An unnamed perennial stream is located south of the Parcel. A road parallels the railroad. The road transects the railroad at the river crossing. North of the river the road is east of the railroad and south of the stream the road is west of the railroad.

1910/1911: The stream is identified as *South Branch*. The road is no longer visible.

1941/1942: Highway 99 is labelled and closely parallels the railroad. Other secondary roads are visible south of the river.

1953: The City of Roseville is identified southeast of the parcel. A primary highway is east of the railroad. The South Branch is surrounded by a wetlands area.

1967, 1975, 1981: No significant changes.

1992: Pleasant Grove Boulevard and Foothills Boulevard are present in their current alignment. Development is visible north and northwest of the Parcel.

2012: Map features do not denote structures or railroads. A road where the railroad was previously identified is labeled *Industrial Avenue*. The river is identified as *South Branch Pleasant Grove Creek*.

2015/2018: Map features do not denote structures. The railroad is identified. Parcel development is not shown.

2.5.3 Historical Sanborn® Map Review

Environmental Data Resources, Inc. (EDR) searched the Sanborn Maps Library for the Site and surrounding area. The EDR search did not return Sanborn Maps (fire insurance) covering the Site or the surrounding area. Appendix C contains EDR's Sanborn Map Report.

3 RECORDS REVIEW

3.1 County, State, and Federal Records Review

EDR provided a “Radius Map with GeoCheck” report dated July 12, 2022, for the Parcel. We include the report in Appendix D. EDR performs a search of county, state, and federal databases for environmental records for sites located within a 1-mile radius from the approximate outline of the project area. The EDR report includes a complete listing of the databases searched. Sites with adequate address information are plotted on EDR’s site plan “EDR Radius Map with GeoCheck”. EDR lists sites with inadequate address information as “orphan sites” and does not provide mapped locations. EDR identified one “orphan site”. The Orphan site is discussed in Section 3.2.1.

Blackburn also reviewed the online databases:

- GeoTracker - The California State Water Resources Control Board (SWRCB) database for managing sites that impact groundwater, especially those that require treatment, such as facilities with leaking underground storage tanks.
- EnviroStor - The California Department of Toxic Substance Control (DTSC) database for identifying facilities that have known contamination or sites there may be reason to investigate further.

3.2 Summary of Records Search

Blackburn reviewed the databases for facilities within ½ -mile of the Project alignment with a potential to impact Site development. Our review of records identified the following sites with potentially hazardous material conditions at, adjacent to, or considered close enough to the Site to potentially impact the project.

3.2.1 Orphan Sites

Union Pacific Railroad Company: This site does not have a mapped location. The database listed is “PRP”. The Union Pacific Railroad (UPRR) is adjacent to the east edge of APN 017-232-022-000. The railroad crosses under Pleasant Grove Boulevard at the southeast corner of the Parcel.

The acquisition Site terminates approximately 100 feet from the railroad right-of-way. Impacts from railroads typically are highest within the gravel rail bed and 20-feet from the railroad. We did not observe indications that hazardous materials conditions extend to the acquisition Site.

3.2.2 Known and/or Potential RECs at the Acquisition Parcel

The following database listing is mapped at APN 017-232-022-000:

Foothills Center (EDR Map ID A1/A2): 7465 Foothills Boulevard. Foothills Center, Foothills 30 Major Grading Plan Project.

This site is listed in the California Integrated Water Quality System (CIWQS), CalEPA Regulated Site Portal Data (CERS), and National Pollutant Discharge Elimination System (NPDES) databases.

The CIWQS database lists the parcel as a Construction Site. The CIWQS database tracks NPDES permit information. NPDES permits are typically issued for construction projects to control storm water runoff from a site and do not indicate a hazardous material condition. The CERS database lists the site as Construction Storm Water.

There are no violations noted or other indications that hazardous materials conditions are present. All listed databases are related to stormwater discharge during construction.

3.2.3 Adjacent Parcels with Known and/or Potential RECs

NEC Electronics/TSI Semiconductors/Telefunken Semiconductors/Renesas Electronics America Inc., 7501 Foothills Boulevard, APN 017-232-017

This site is adjacent to the north edge of the Parcel. This site is listed in the following databases:

- CHMIRS
- HAZNET
- ENVIROSTOR
- RCRA
- CA FID UST
- AST
- HIST UST
- SWEEPS
- EMI
- NPDES
- WDS

This site is developed as a semiconductor manufacturing facility. The database indicates the site is a large quantity generator of hazardous waste including batteries, pesticides, solvents, acids, metals, and waste oil. Several releases involving hazardous waste were documented including discharges to the storm drain system. All other releases were contained on-site, and cleanup was completed by the responsible party. The site has undergone multiple compliance inspections with no significant violations noted. One “informal written enforcement action” was identified in the database.

A 10,000-gallon diesel underground storage tank (UST) was installed on the property in 1984. Records indicate the location of the UST is the northeastern corner of the parcel approximately a half mile from the acquisition Site. Records indicate an 8,420-gallon above ground storage tank (AST) of unknown contents is located on site. The records did not identify any additional information regarding the AST.

There is no evidence in the records review to suggest hazardous materials located at this site extend off site and have impacted the Parcel or Site.

3.2.4 Nearby Sites with Known and/or Potential RECS

The records search identified the following sites with potentially hazardous material conditions across Pleasant Grove Boulevard from APN 017-232-022-000. Due to the distance of these sites from the acquisition Site and Parcel, these sites are not considered a REC.

1259 Pleasant Grove Boulevard: Pavilions Dental. RCRA Non-Generator. Verified.

1253 Pleasant Grove Boulevard: Hoyberg Family Orthodontics. RCRA Non-Generator. Verified.

1253 Pleasant Grove Boulevard: Star Cleaners, Pleasant Cleaners, EDR Hist Cleaner (2007-2014), RCRA Non-Generator, Drycleaners, HAZNET, HWTS. Verified.

The site was an active dry cleaner with storage o, bulking and transfer off site of organic and halogenated organics. Still bottoms with halogenated organics. Fuel Blending prior to energy recover at another site.in 2015 and 2016. No violations noted.

1261 Pleasant Grove Boulevard: Woodcreek Oaks Petroleum, Arco.
Listed in RCRA NonGen, UST, CERS HAZ WASTE, CERS TANKS, CERS.

There is no evidence of a release to surrounding subsurface, however there are multiple violations for failure to:

- Install or maintain a liquid-tight spill container.
- Perform a tightness test at installation and every 12 months thereafter or within 30 days after a repair to the spill container.
- Maintain and file spill containment test results.
- Install leak detection equipment.

Site operations returned to compliance in 2019.

3.3 Historical City Directory Review

We reviewed a historical City of Roseville Directory to look for evidence of hazardous materials conditions at or near the Parcel. The City Directory review did not identify any conditions that are not already identified in other sections of this report. Appendix E contains the City Directory Image Report.

3.4 Title Documents Review

The City provided Blackburn the Fidelity National Title Company's "Preliminary Report" title document for APN 017-232-022-000. We include a copy of the document in Appendix F. Blackburn reviewed the title document which identified a utility easement located along the south edge of APN 017-232-022. The area is described as approximately the southern 12.5-foot edge of the parcel. This area includes the acquisition area.

4 SITE RECONNAISSANCE

Blackburn performed a site reconnaissance to collect information regarding potential hazardous material contamination including identification of evidence of current and/or past use, evident storage of toxic or hazardous materials, the presence of onsite ponds, landfills, drywells, waste streams or other disposal units, visible soil contamination, above ground or underground storage tanks, drums, barrels, and other storage containers.

Blackburn's engineer, Laura Long, visited the site on July 26, 2022. She observed the Parcel and the Site from public roads. Photos of the site reconnaissance are in Appendix G. Ms. Long's observations generally support the land use descriptions and background data in Sections 2 and 3.

5 OWNER/OPERATOR INTERVIEW

Per ASTM, past owners, operators, and/or occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources.

Blackburn attempted to contact current property owner representative Mr. Thad Johnson by phone on August 2, 4, and 5, 2022. Mr. Johnson did not return our calls. Blackburn did not conduct interview(s) with the property owner(s). Lack of contact with the property owner is a data gap but is not expected to change our conclusions.

6 DATA GAPS

In accordance with ASTM E1527-13, this section discusses data gaps in the documents we obtained and reviewed as part of this ESA and discusses the significance. ASTM E1527-13 defines a data gap as “a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.” In our opinion, we did not observe a data gap significant enough to change our conclusions.

7 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

We performed this ESA's to:

- Determine whether there may be hazardous materials at or near the subject parcel at concentrations likely to warrant mitigation pursuant to regulations.
- Identify RECs and/or potential RECs at the subject parcel which could affect property acquisition.
- Identify potential site contamination issues.

7.1 Potential RECs at and Adjacent to APN 017-232-022-000

Blackburn did not identify a RECs or potential REC at the Parcel or Site.

7.2 General Hazardous Materials Conditions

Pleasant Grove Boulevard was constructed between 1993 and 1998, therefore, we do not anticipate aerially deposited lead (ADL) along the project alignment.

8 QUALIFICATIONS

Laura Long prepared this ESA. Ms. Long declares that, to the best of her professional knowledge and belief, she meets the definition of an environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312 and has the specific qualifications based on education, training, and experience to assess a property of its nature, history, and setting of the subject property. Ms. Long performed appropriate inquiries in general conformance with the standards and practice set forth in 40 CFR 312.

9 LIMITATIONS

This report summarizes the findings and opinions of Blackburn regarding the potential presence of hazardous materials on the parcel at concentrations likely to warrant mitigation under current statutes and guidelines.

Our findings and opinions are based on information obtained on given dates or provided by specified individuals, through public records review, site review, and related activities. This report is only intended to identify RECs and potential RECs in, or adjacent to, the project limits. It does not assess the impact to the project or any areas with respect to source, type, and magnitude of contamination. Conditions can change after we have made our observations. We cannot warrant or guarantee that hazardous materials do not exist at the described site. To further reduce your risk, an extensive invasive exploration may be necessary.

We prepared this report for the City of Roseville and applies only to the subject area. We are not responsible for other parties' interpretations of data presented in this report. This report is not a legal opinion. No warranty is expressed or implied. We base our conclusions in this report on judgment and experience. Blackburn performed services in accordance with generally accepted geo-environmental principles and practices currently used in this area.

The governmental records portion of this report is derived from public records and is updated on a continual basis. Also, conditions at the Site may change over time. For these reasons, we do not advise you use this information to base a decision after 180 days of the issue date of this report. Please contact Blackburn to revise this report to reflect new information should you intend to rely on the findings of this report past 180 days from issuance or should the project area described herein change.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

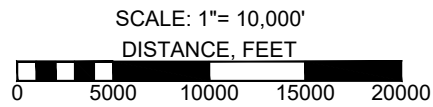
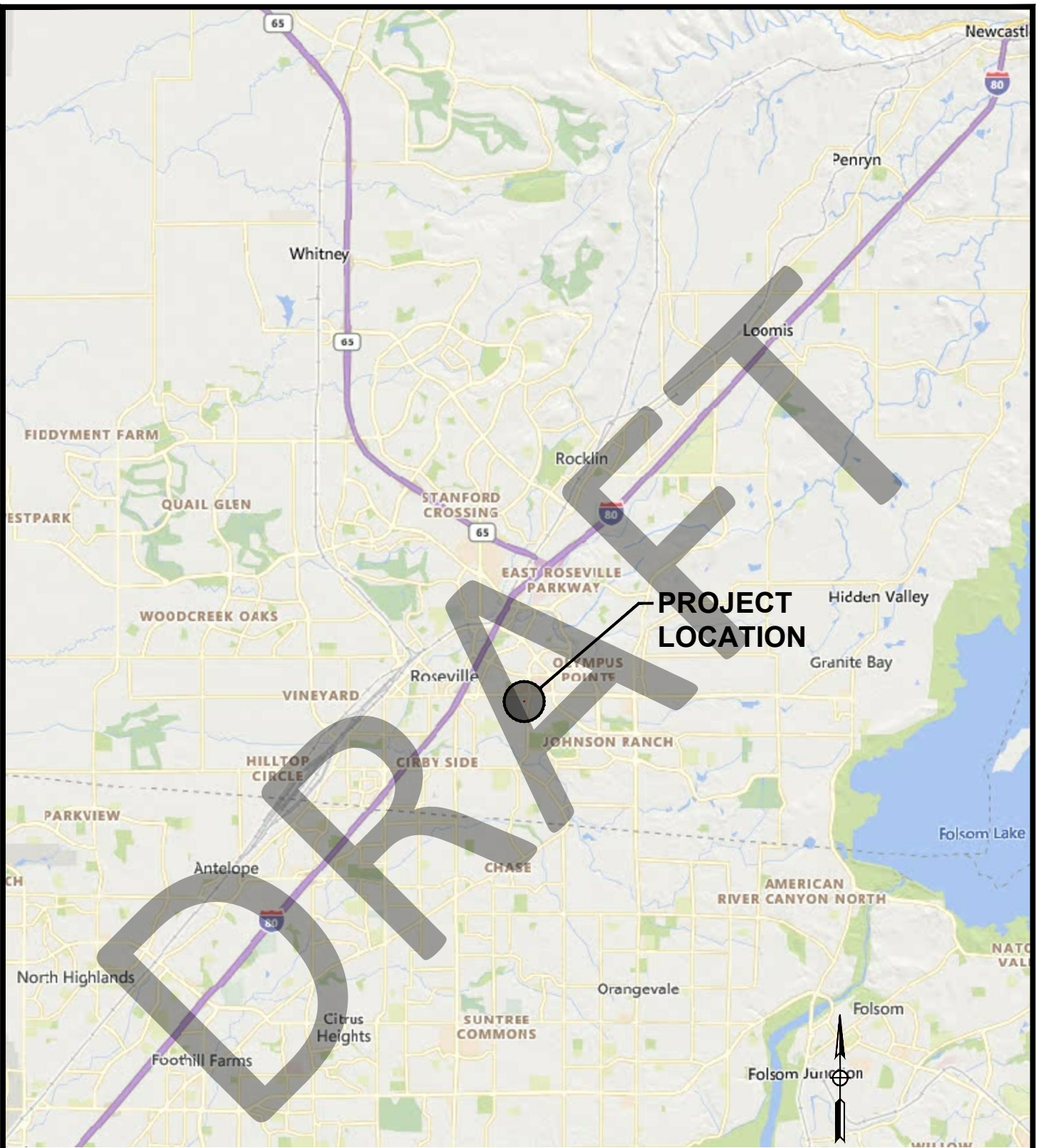
Roseville, CA

August 2022

FIGURES

Figure 1 – Vicinity Map

Figure 2 – Site Plan

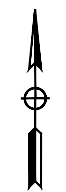


8/9/2022, FIG.1_8.5x11.Border.Vic.Map.dwg

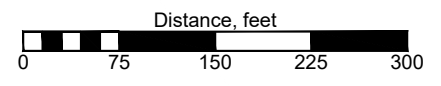


VICINITY MAP
Phase 1 - ESA
 Draft Geotechnical Evaluation Report
 San Lorenzo River Levees - East Levee

File No. 4211.x
August 2022
Figure 1



SCALE: 1"= 150'



LEGEND

- Approximate Parcel Boundary
- Approximate Project Limits

APN
017-232-022-000

FOOTHILLS BLVD.

RAILROAD

PLEASANT GROVE BLVD.

8/9/2022 4262.x Fig2 PGB Widening-Phase 1 ESA.dwg

Source: Assessor's Map, Bk. 17, Page 23,
County of Placer, California.



SITE PLAN
Phase I Environmental Site Assessment
APN 017-232-022-000
Pleasant Grove Boulevard Widening Project
Roseville, California

File No. 4262.x

August 2022

Figure 2

**PHASE I ENVIRONMENTAL SITE
ASSESSMENT**

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX A

Aerial Photographs

APN 017-232-022-000

7465 Foothills Boulevard

Roseville, CA 95678

Inquiry Number: 7050871.8

July 13, 2022

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/13/22

Site Name:

APN 017-232-022-000
7465 Foothills Boulevard
Roseville, CA 95678
EDR Inquiry # 7050871.8

Client Name:

Blackburn Consulting
11521 Blocker Drive
Auburn, CA 95603
Contact: Laura Long



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ
1993	1"=500'	Acquisition Date: May 23, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: June 08, 1984	USDA
1975	1"=500'	Flight Date: August 25, 1975	USGS
1972	1"=500'	Flight Date: June 28, 1972	USDA
1966	1"=500'	Flight Date: August 04, 1966	USGS
1962	1"=500'	Flight Date: July 28, 1962	USGS
1957	1"=500'	Flight Date: August 24, 1957	USDA
1952	1"=500'	Flight Date: July 18, 1952	USDA
1947	1"=500'	Flight Date: July 28, 1947	USGS

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YEAR: 2016

— = 500'





INQUIRY #: 7050871.8

YEAR: 2012

— = 500'



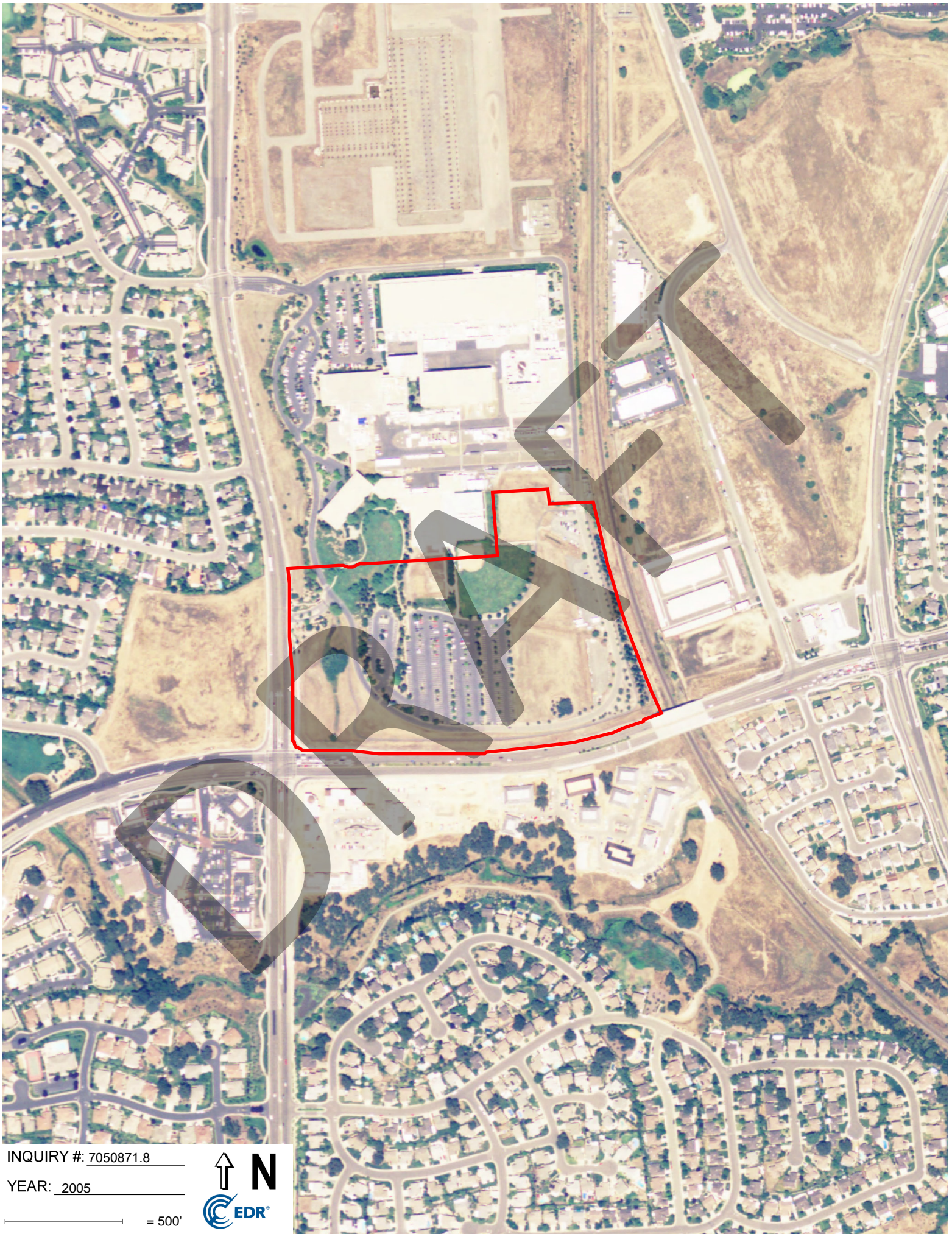


INQUIRY #: 7050871.8

YEAR: 2009

— = 500'





INQUIRY #: 7050871.8

YEAR: 2005

— = 500'





INQUIRY #: 7050871.8

YEAR: 1998

— = 500'





INQUIRY #: 7050871.8

YEAR: 1993

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7050871.8

YEAR: 1984

— = 500'





INQUIRY #: 7050871.8

YEAR: 1975

— = 500'





INQUIRY #: 7050871.8

YEAR: 1972

— = 500'





INQUIRY #: 7050871.8

YEAR: 1966

— = 500'



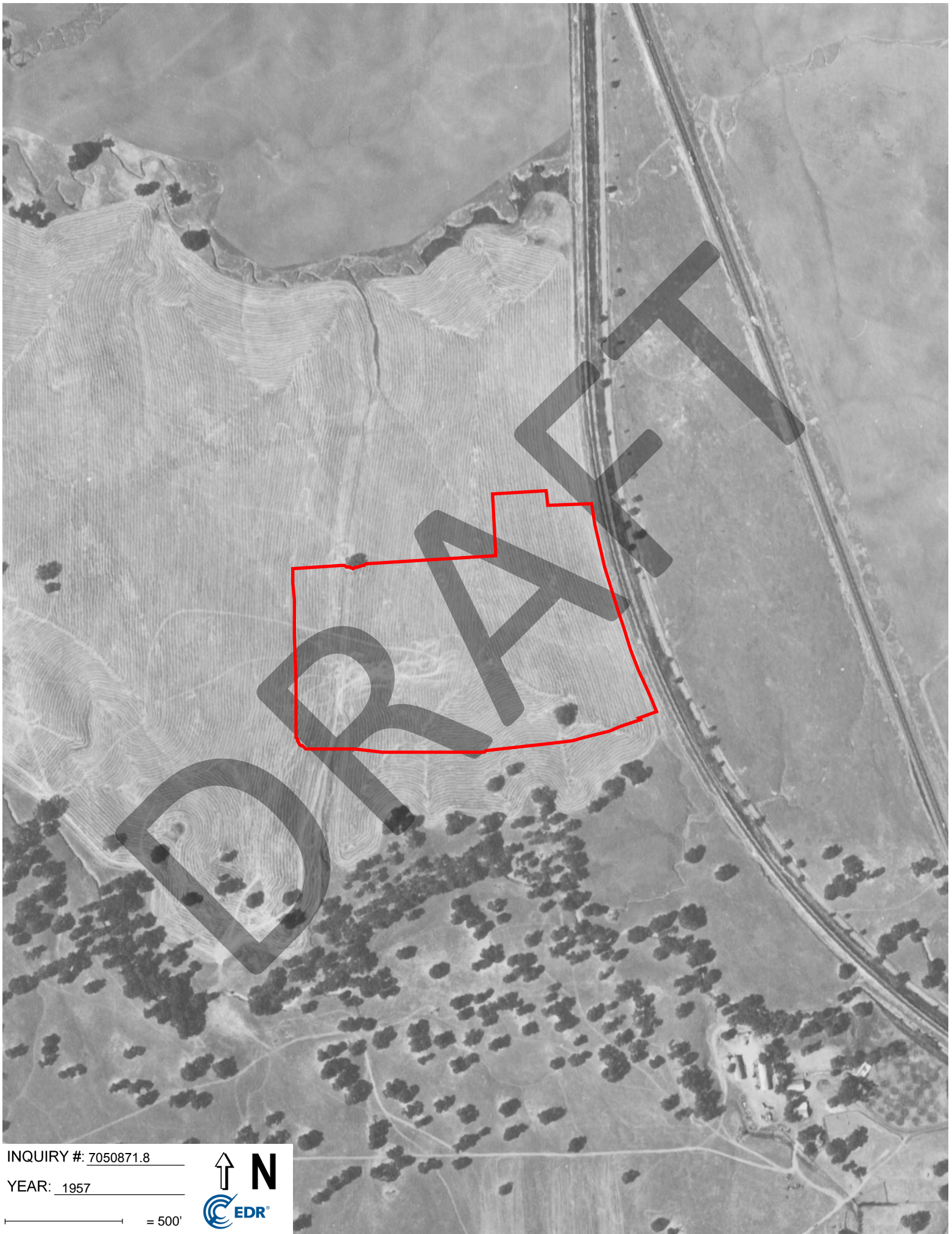


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— = 500'





INQUIRY #: 7050871.8

YEAR: 1957

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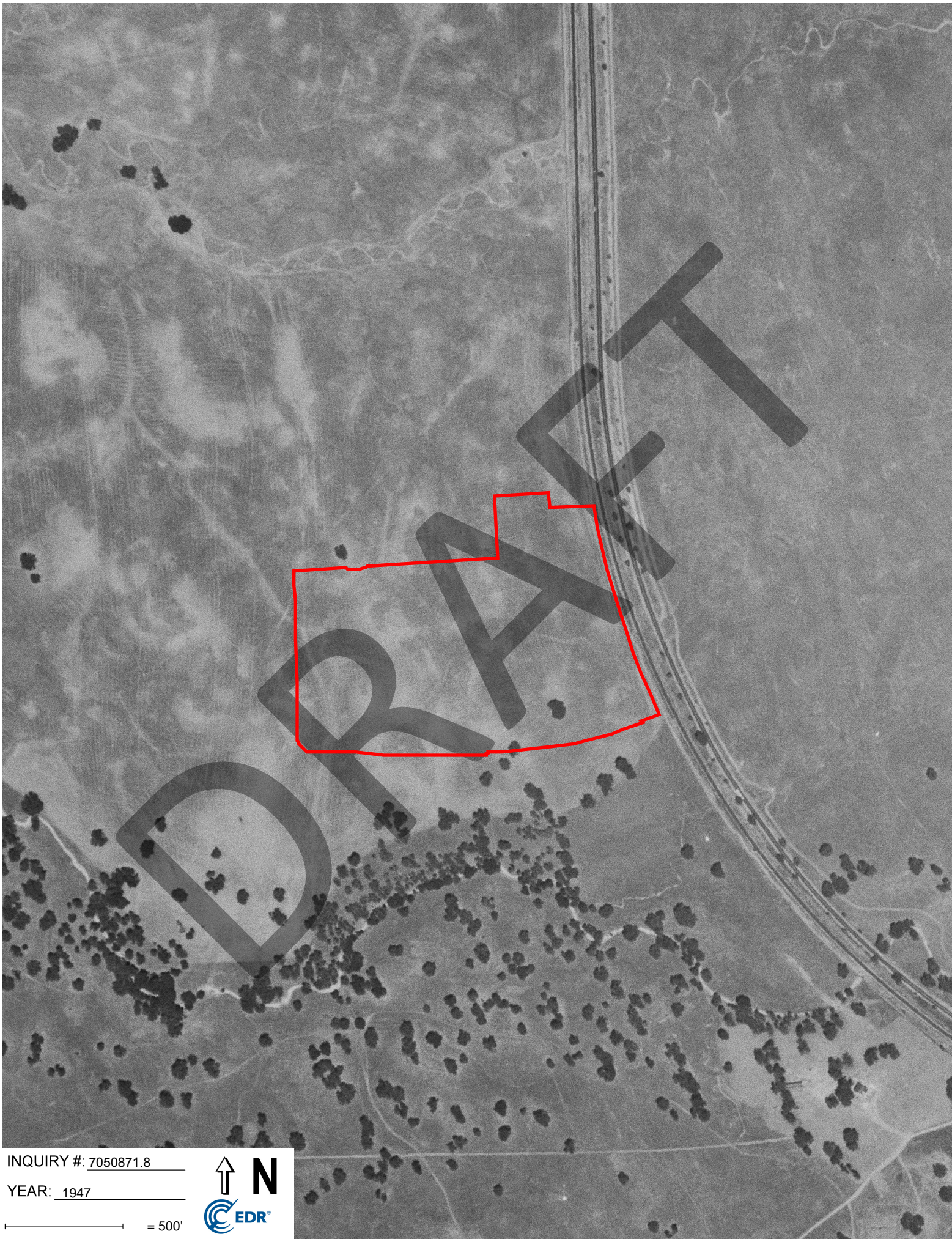


INQUIRY #: 7050871.8

YEAR: 1952

— = 500'





INQUIRY #: 7050871.8

YEAR: 1947

— = 500'



**PHASE I ENVIRONMENTAL SITE
ASSESSMENT**

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX B

Topographic Maps

APN 017-232-022-000

7465 Foothills Boulevard

Roseville, CA 95678

Inquiry Number: 7050871.4

July 12, 2022

EDR Historical Topo Map Report
with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/12/22

Site Name:

APN 017-232-022-000
7465 Foothills Boulevard
Roseville, CA 95678
EDR Inquiry # 7050871.4

Client Name:

Blackburn Consulting
11521 Blocker Drive
Auburn, CA 95603
Contact: Laura Long



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Blackburn Consulting were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	11563	Latitude:	38.773943 38° 46' 26" North
Project:	4262.P APN 017-232-022	Longitude:	-121.310013 -121° 18' 36" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	646808.08
		UTM Y Meters:	4293047.40
		Elevation:	156.64' above sea level

Maps Provided:

2018	1942
2015	1941
2012	1910, 1911
1992	1893
1981	1892
1975	1891
1967	
1953	

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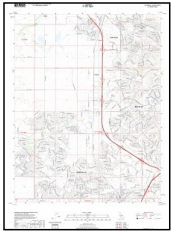
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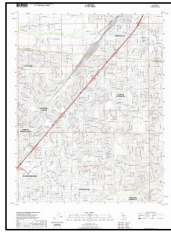
Topo Sheet Key

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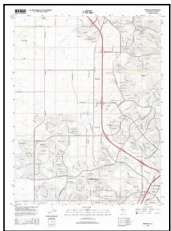


Roseville
2018
7.5-minute, 24000



Citrus Heights
2018
7.5-minute, 24000

2015 Source Sheets

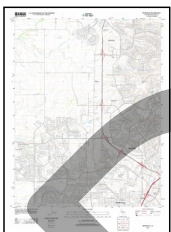


Roseville
2015
7.5-minute, 24000

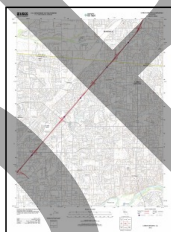


Citrus Heights
2015
7.5-minute, 24000

2012 Source Sheets

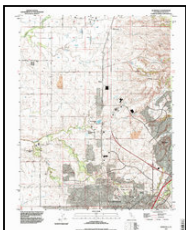


Roseville
2012
7.5-minute, 24000

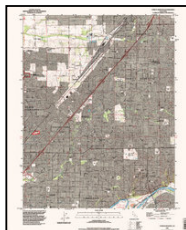


Citrus Heights
2012
7.5-minute, 24000

1992 Source Sheets



Roseville
1992
7.5-minute, 24000
Aerial Photo Revised 1992

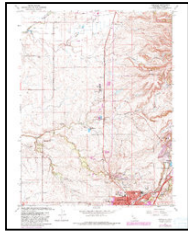


Citrus Heights
1992
7.5-minute, 24000
Aerial Photo Revised 1992

Topo Sheet Key

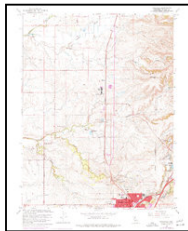
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1981 Source Sheets



Roseville
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1975 Source Sheets

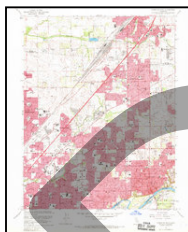


Roseville
1975
7.5-minute, 24000
Aerial Photo Revised 1975



Citrus Heights
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets



Citrus Heights
1967
7.5-minute, 24000
Aerial Photo Revised 1966



Roseville
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1953 Source Sheets

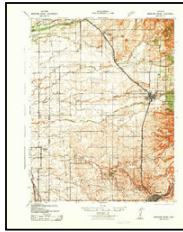


Roseville
1953
7.5-minute, 24000
Aerial Photo Revised 1949

Topo Sheet Key

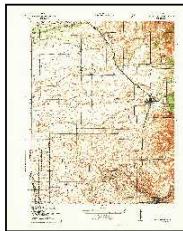
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets



Markham Ravine
1942
15-minute, 62500
Aerial Photo Revised 1939

1941 Source Sheets



MARKHAM RAVINE
1941
15-minute, 62500

1910, 1911 Source Sheets

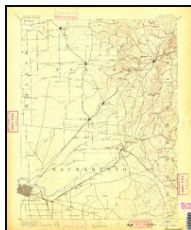


Roseville
1910
7.5-minute, 31680



Antelope
1911
7.5-minute, 31680

1893 Source Sheets

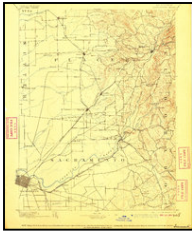


Sacramento
1893
30-minute, 125000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1892 Source Sheets



Sacramento
1892
30-minute, 125000

1891 Source Sheets

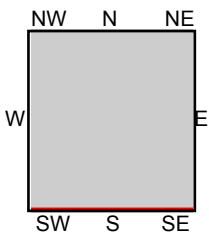
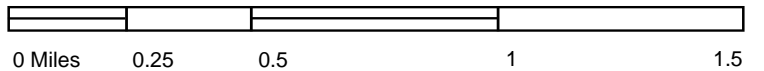


Sacramento
1891
30-minute, 125000

DRAFT



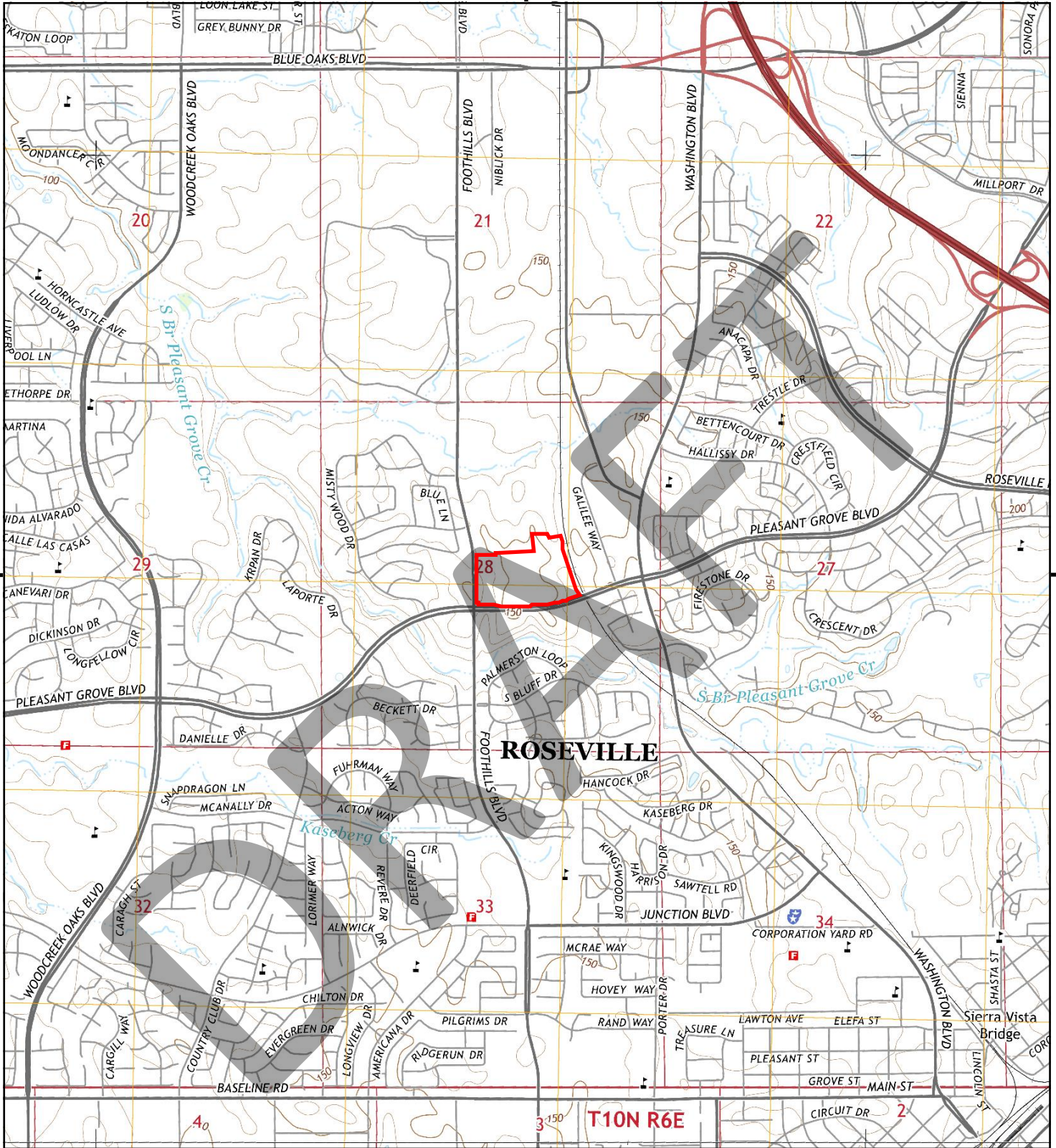
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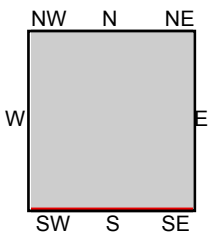
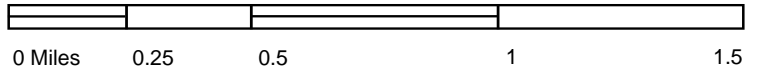
TP, Roseville, 2018, 7.5-minute
S, Citrus Heights, 2018, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





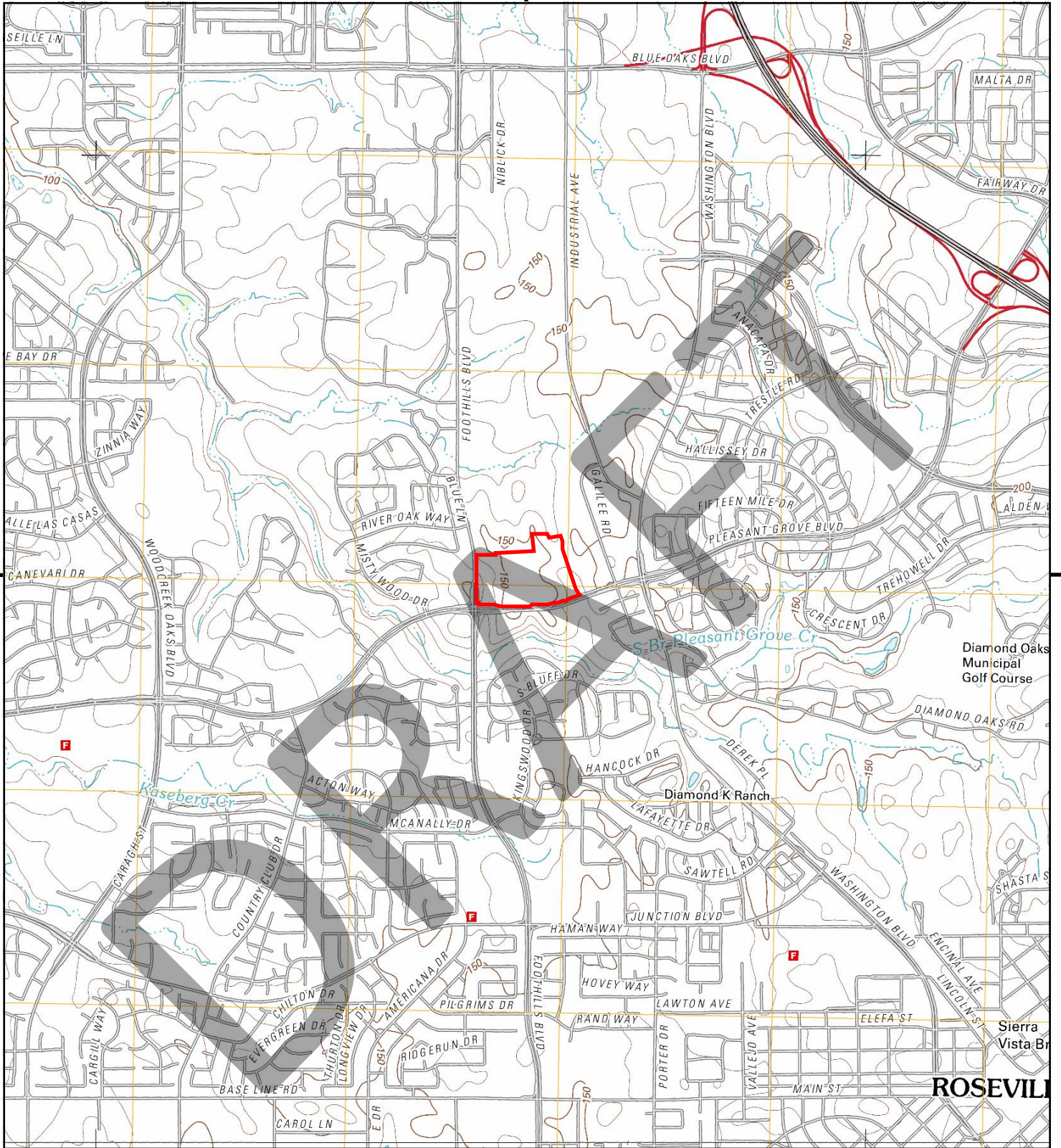
This report includes information from the following map sheet(s).



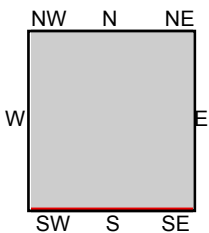
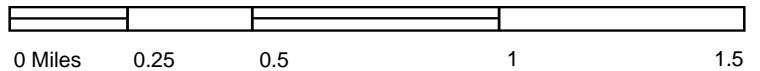
TP, Roseville, 2015, 7.5-minute
S, Citrus Heights, 2015, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





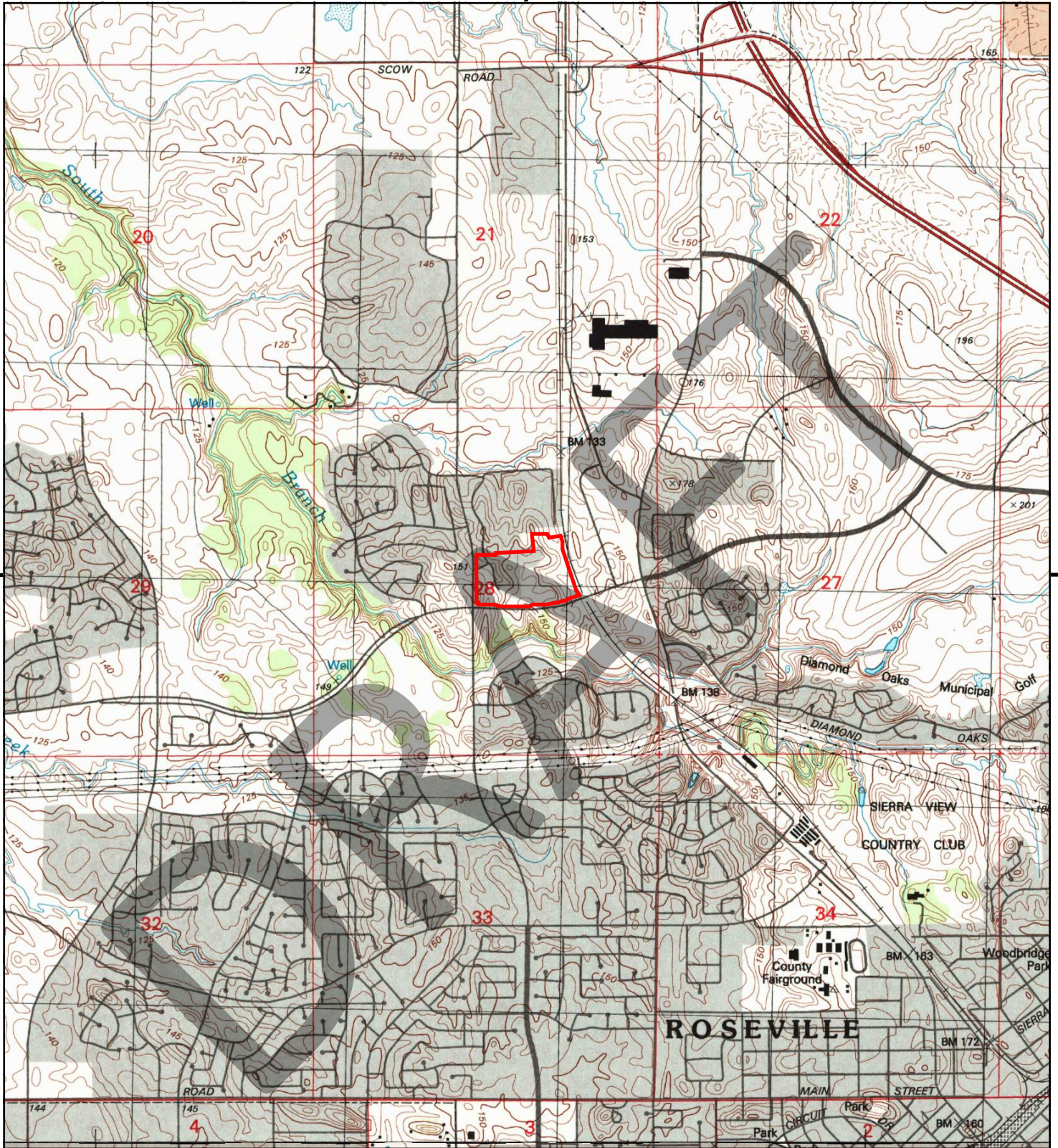
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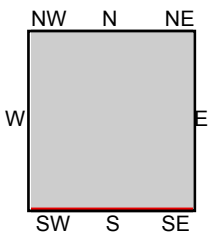
TP, Roseville, 2012, 7.5-minute
S, Citrus Heights, 2012, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





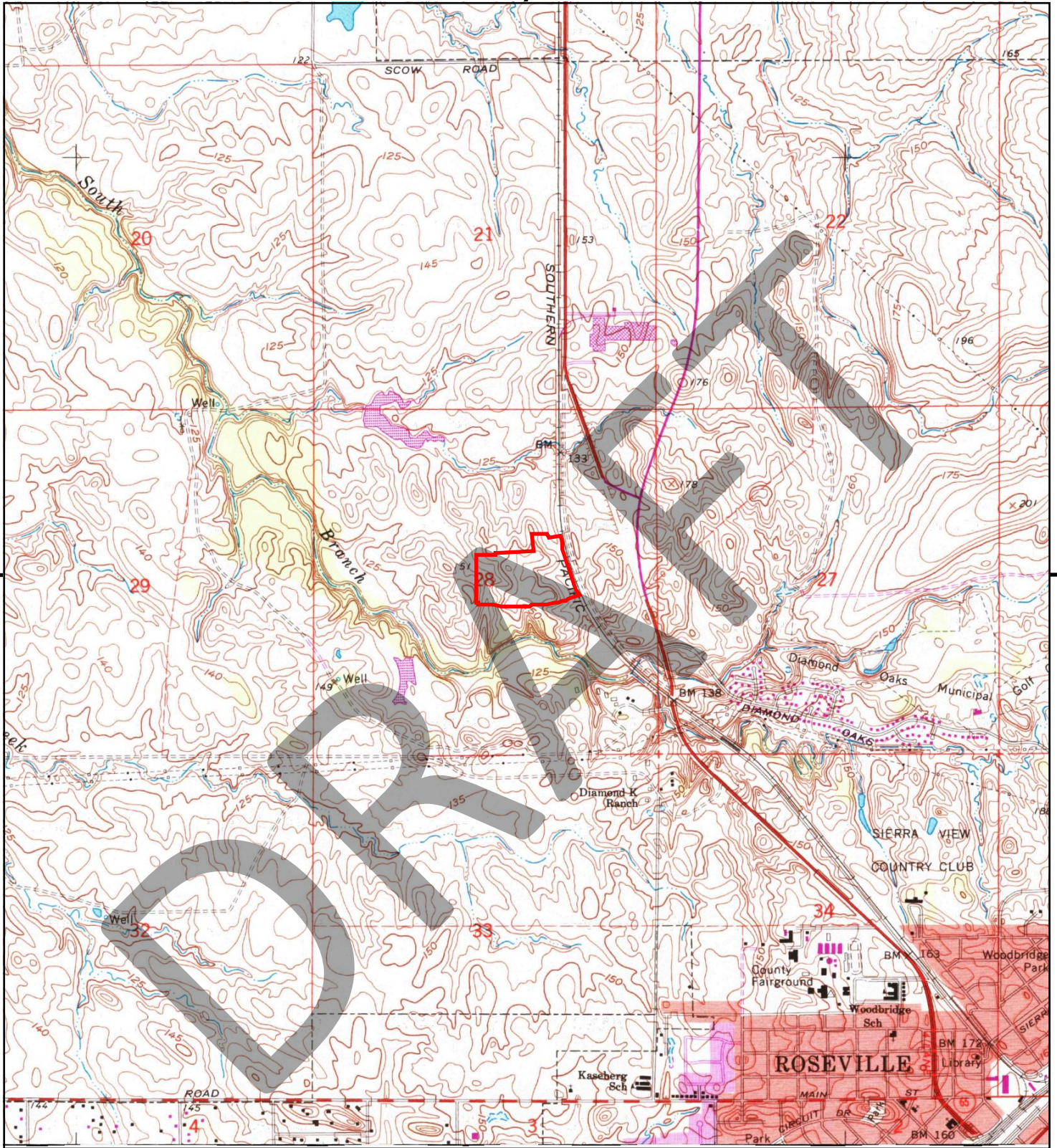
This report includes information from the following map sheet(s).



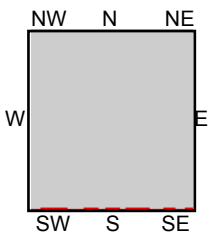
TP, Roseville, 1992, 7.5-minute
S, Citrus Heights, 1992, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





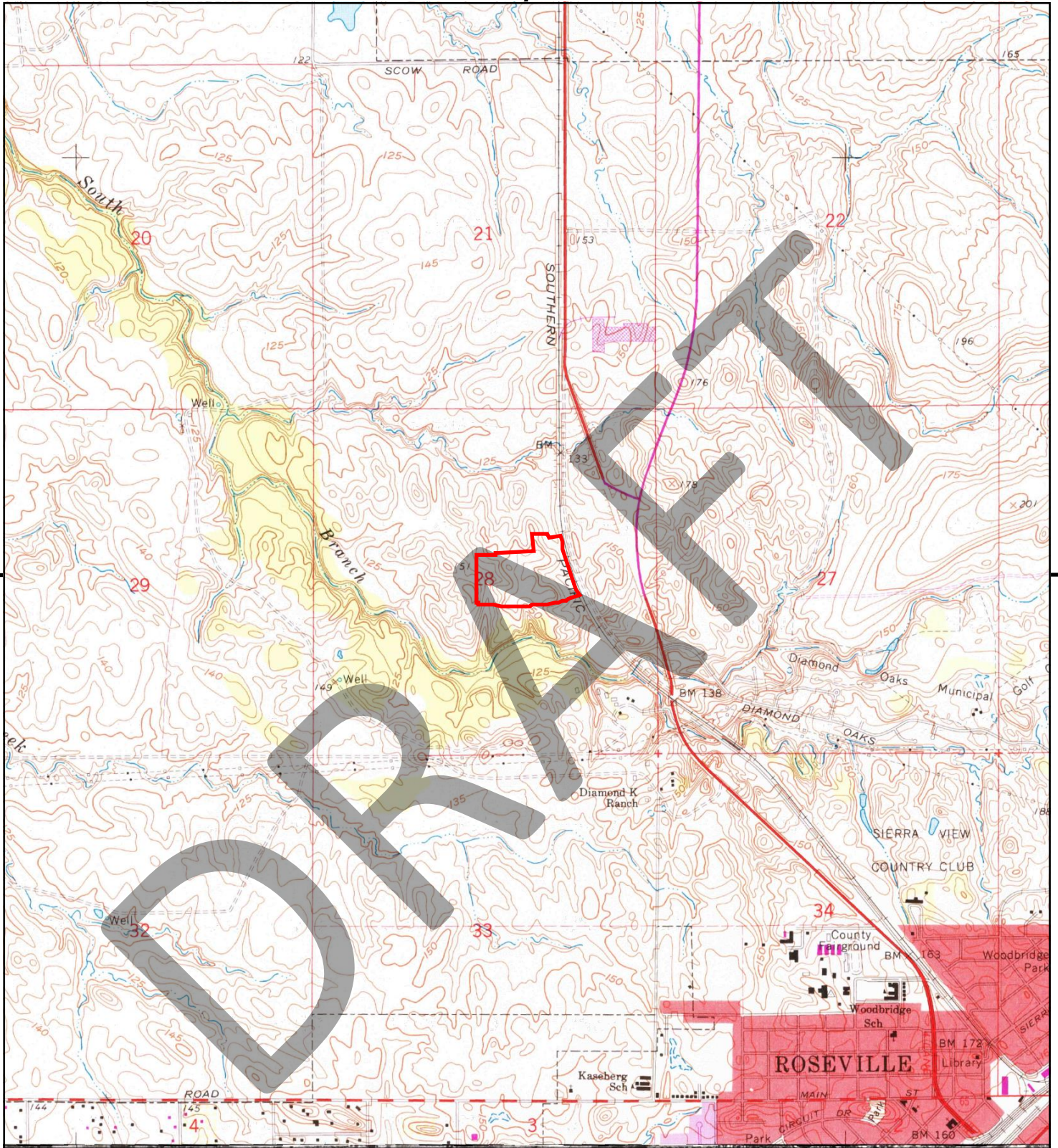
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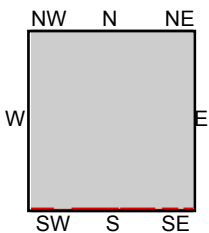
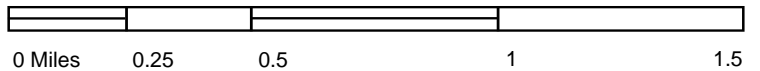
TP, Roseville, 1981, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
 Roseville, CA 95678
CLIENT: Blackburn Consulting





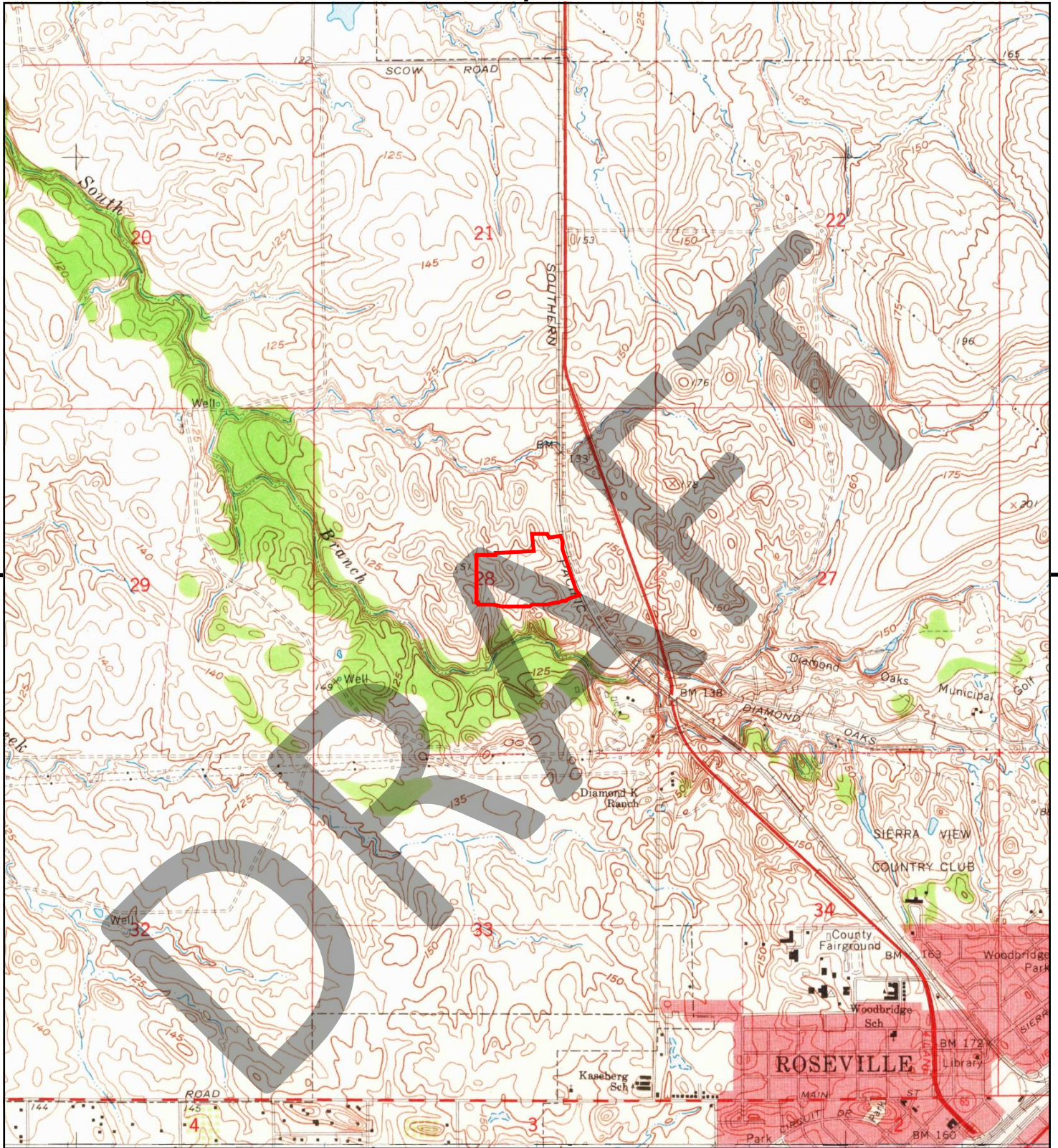
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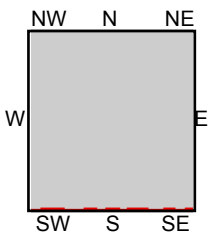
TP, Roseville, 1975, 7.5-minute
S, Citrus Heights, 1975, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





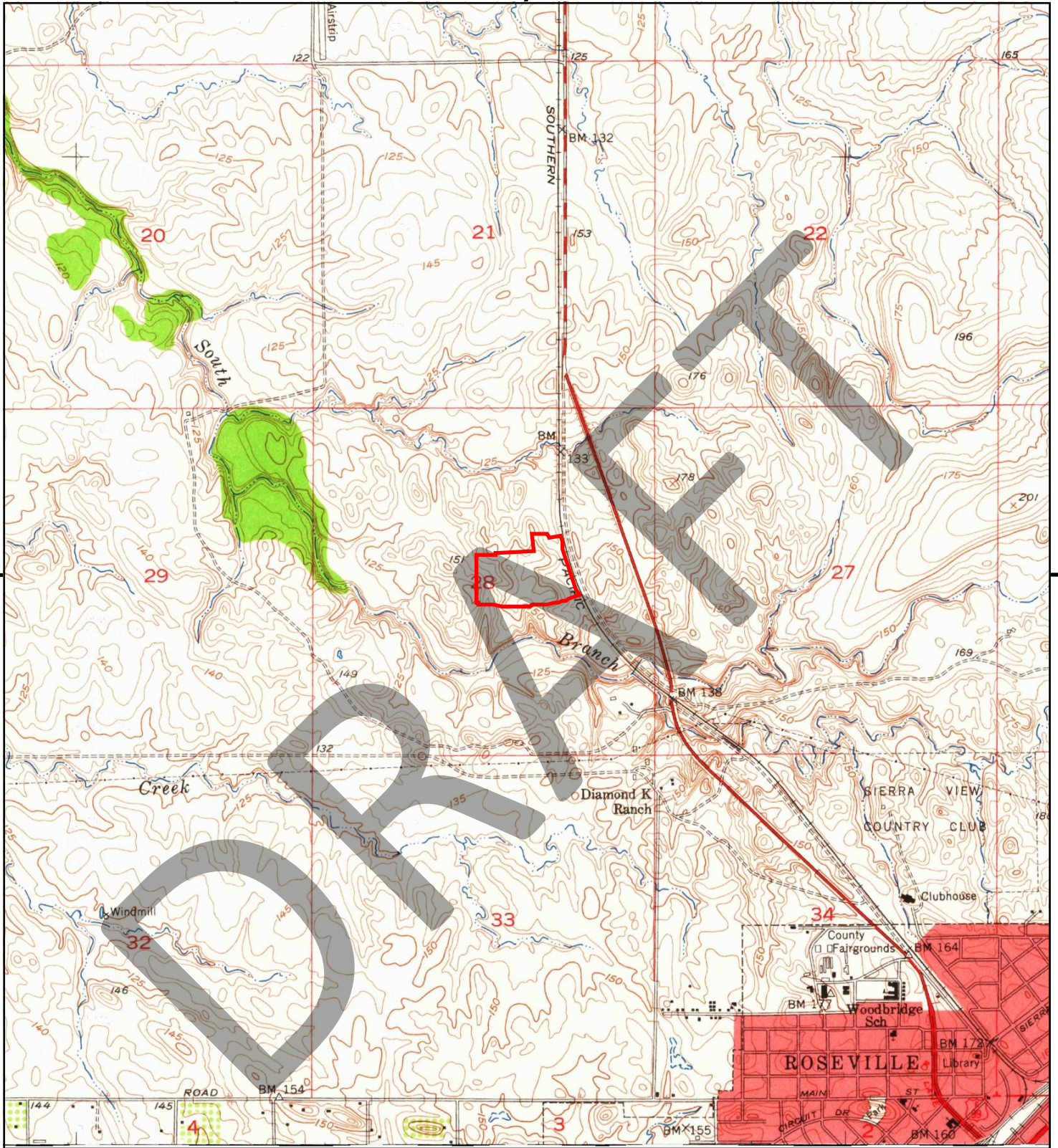
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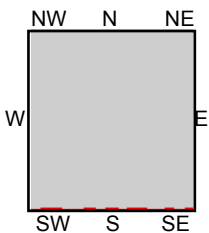
TP, Roseville, 1967, 7.5-minute
S, Citrus Heights, 1967, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





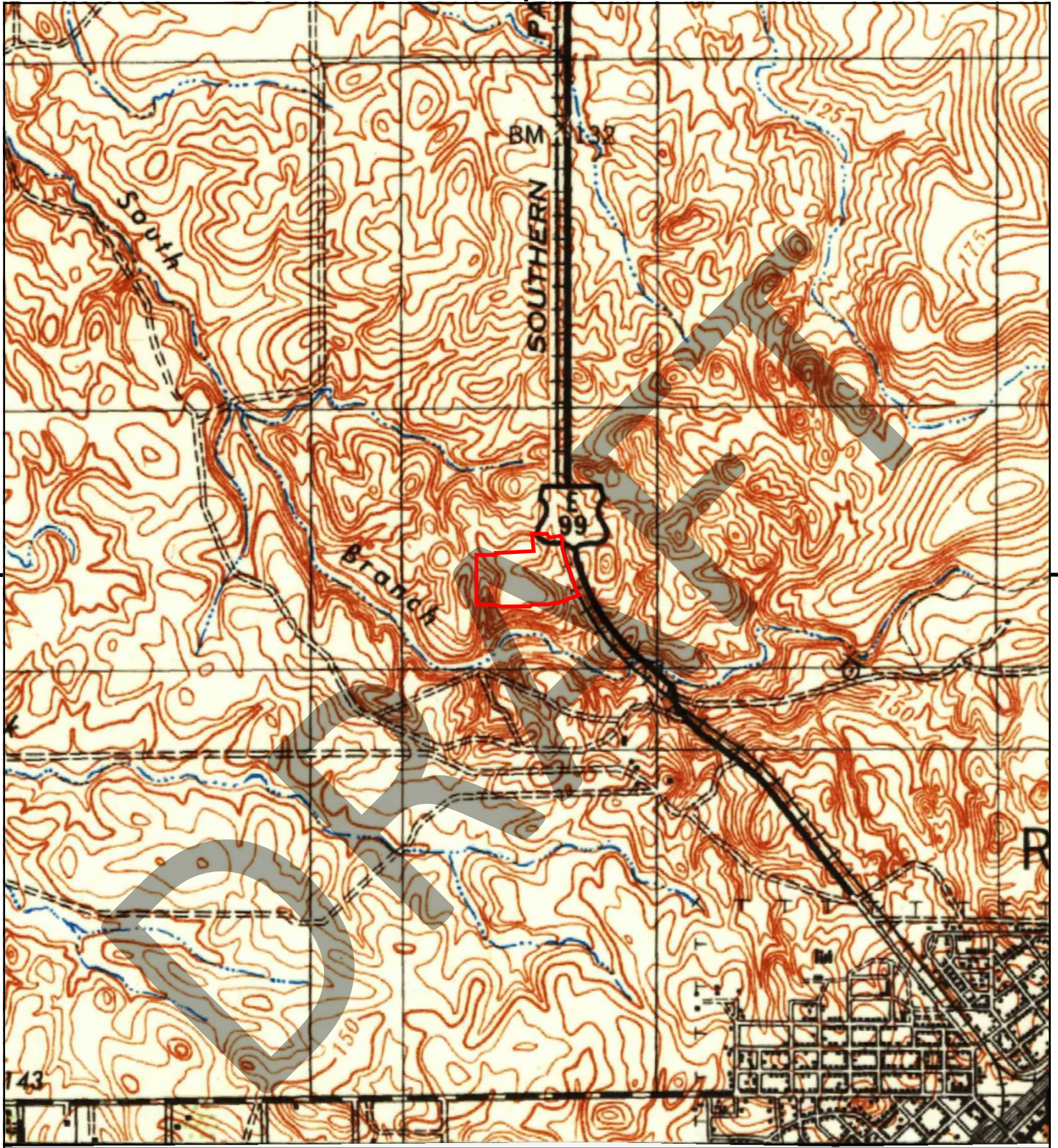
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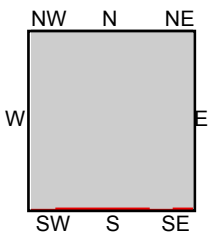
TP, Roseville, 1953, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
 Roseville, CA 95678
CLIENT: Blackburn Consulting





This report includes information from the following map sheet(s).



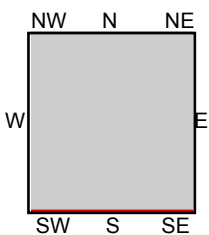
TP, Markham Ravine, 1942, 15-minute

SITE NAME: APN 017-232-022-000
 ADDRESS: 7465 Foothills Boulevard
 Roseville, CA 95678
 CLIENT: Blackburn Consulting





This report includes information from the following map sheet(s).



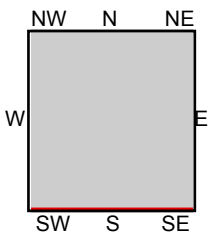
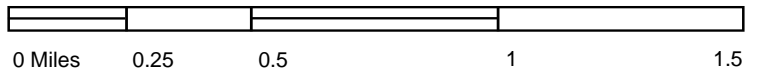
TP, MARKHAM RAVINE, 1941, 15-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





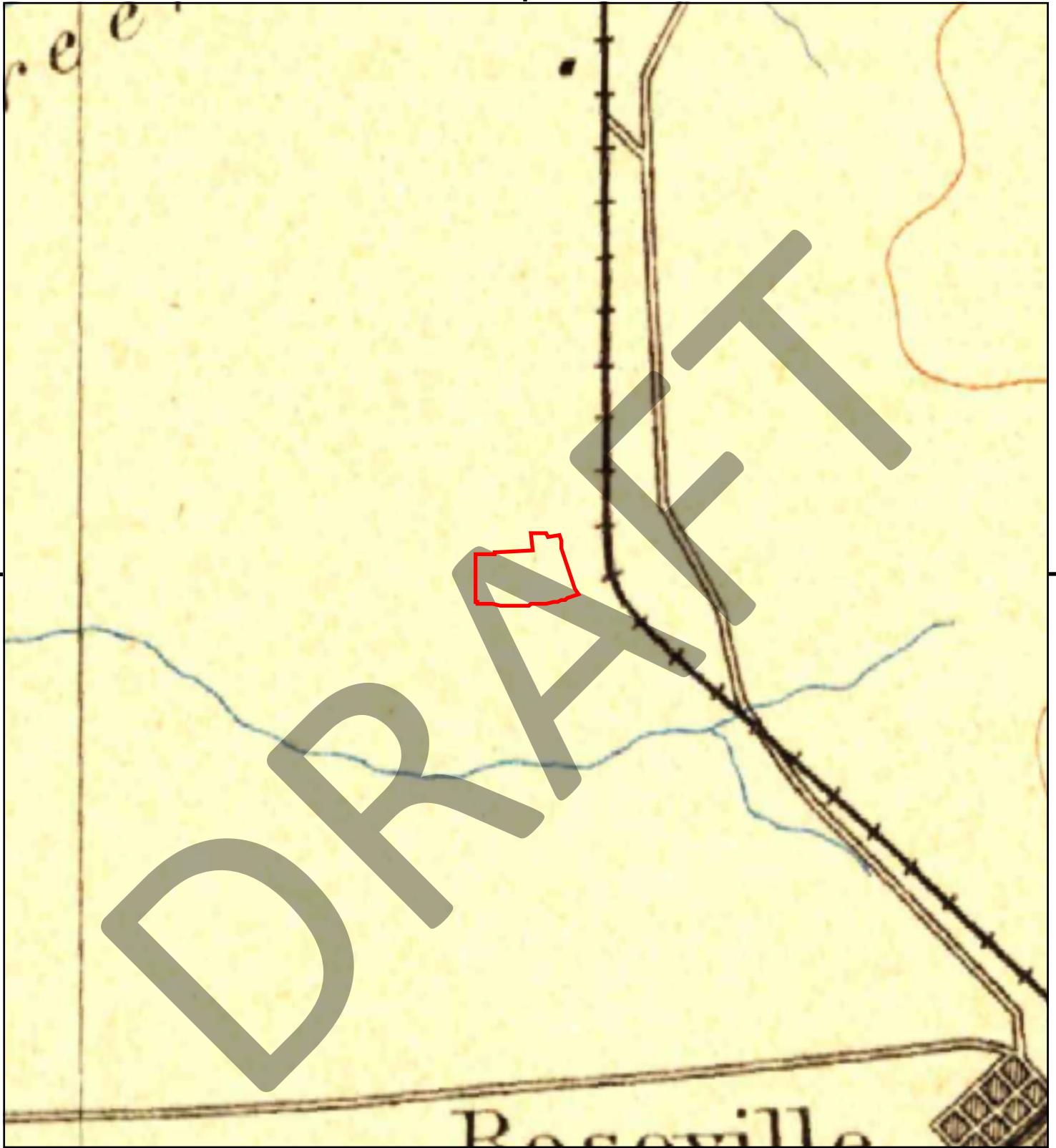
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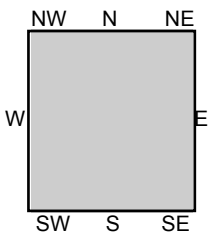
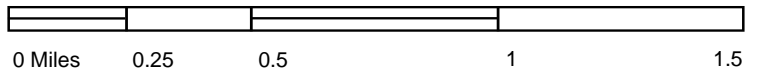
TP, Roseville, 1910, 7.5-minute
S, Antelope, 1911, 7.5-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





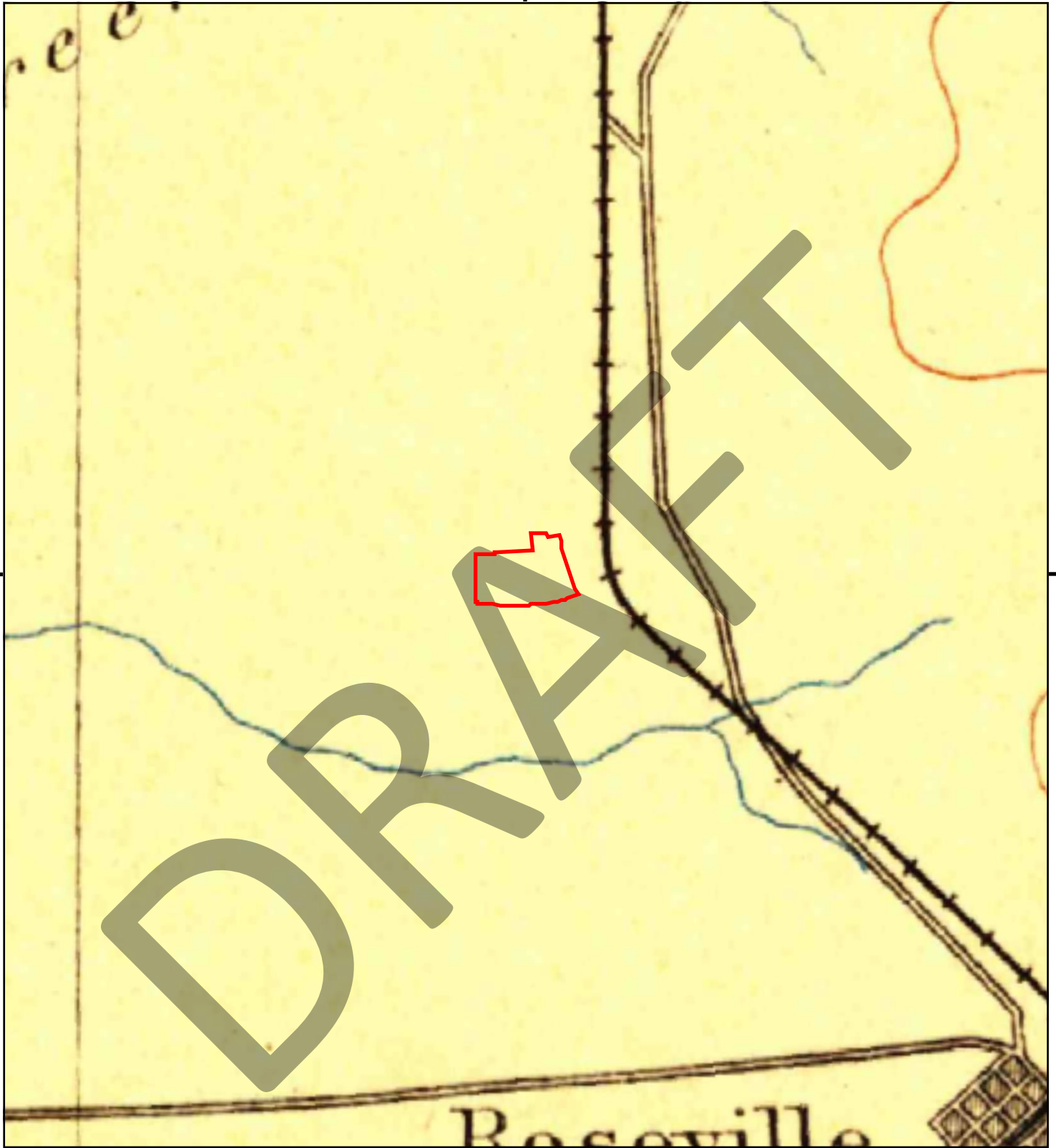
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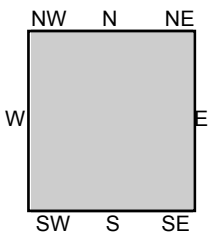
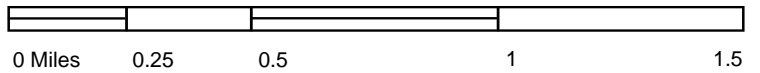
TP, Sacramento, 1893, 30-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





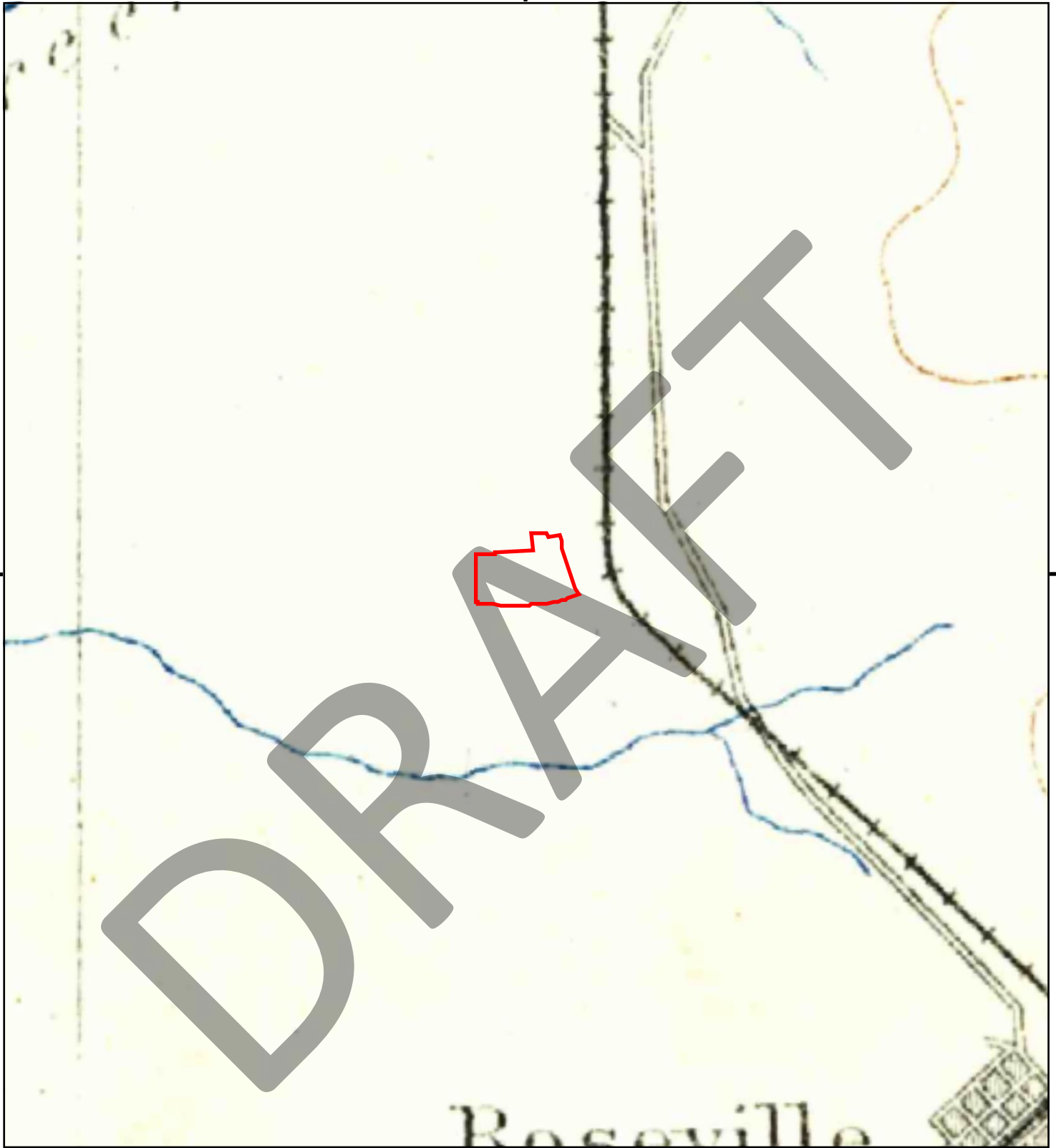
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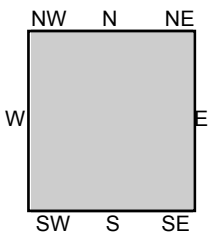
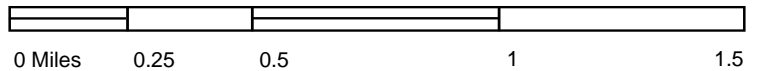
TP, Sacramento, 1892, 30-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting





This report includes information from the following map sheet(s).



TP, Sacramento, 1891, 30-minute

SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville, CA 95678
CLIENT: Blackburn Consulting



PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX C

Sanborn Maps Search

APN 017-232-022-000

7465 Foothills Boulevard

Roseville, CA 95678

Inquiry Number: 7050871.3

July 12, 2022

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/12/22

Site Name:

APN 017-232-022-000
7465 Foothills Boulevard
Roseville, CA 95678
EDR Inquiry # 7050871.3

Client Name:

Blackburn Consulting
11521 Blocker Drive
Auburn, CA 95603
Contact: Laura Long



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Blackburn Consulting were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # 4CF5-4984-B636
PO # 11563
Project 4262.P APN 017-232-022



Sanborn® Library search results

Certification #: 4CF5-4984-B636

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This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
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**PHASE I ENVIRONMENTAL SITE
ASSESSMENT**

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX D

EDR Report

APN 017-232-022-000

7465 Foothills Boulevard
Roseville, CA 95678

Inquiry Number: 7050871.2s
July 12, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	262
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7465 FOOTHILLS BOULEVARD
ROSEVILLE, CA 95678

COORDINATES

Latitude (North): 38.7739430 - 38° 46' 26.19"
Longitude (West): 121.3100130 - 121° 18' 36.04"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 646811.8
UTM Y (Meters): 4292840.0
Elevation: 157 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12021643 ROSEVILLE, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140713
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
7465 FOOTHILLS BOULEVARD
ROSEVILLE, CA 95678

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FOOTHILLS CENTER	7465 FOOTHILLS BLVD	NPDES, CIWQS, CERS		TP
A2	FOOTHILLS 30 MAJOR G	FOOTHILLS BOULEVARD	CIWQS	Higher	1 ft.
B3	PAVILIONS DENTAL GRO	1259 PLEASANT GROVE	RCRA NonGen / NLR	Lower	131, 0.025, SW
B4	PLEASANT CLEANERS	1253 PLEASANT GROVE	EDR Hist Cleaner	Lower	281, 0.053, SSW
B5	HOYBJERG FAMILY ORTH	1253 PLEASANT GROVE	RCRA NonGen / NLR	Lower	281, 0.053, SSW
B6	STAR CLEANERS LLC	1253 PLEASANT GROVE	RCRA NonGen / NLR	Lower	281, 0.053, SSW
B7	STAR CLEANERS LLC	1253 PLEASANT GROVE	DRYCLEANERS, HAZNET, HWTS	Lower	281, 0.053, SSW
C8	WOODCREEK OAKS PETRO	1261 PLEASANT GROVE	CERS HAZ WASTE, CERS TANKS, CERS	Lower	382, 0.072, SW
C9	WOODCREEK OAKS PETRO	1261 PLEASANT GROVE	UST	Lower	382, 0.072, SW
C10	ARCO	1261 PLEASANT GROVE	UST	Lower	382, 0.072, SW
C11	WOODCREEK OAKS PETRO	1261 PLEASANT GROVE	RCRA NonGen / NLR	Lower	382, 0.072, SW
D12	RUSS PRECISION MANUF	7351 GAILEE RD #120	RCRA NonGen / NLR	Lower	491, 0.093, NE
D13	SERVICE OUTLET	7401 GALILEE RD STE	CERS HAZ WASTE, CERS	Lower	496, 0.094, NE
14	AA TRANSMISSION	7451 GALILEE RD	EDR Hist Auto	Lower	609, 0.115, NE
E15	CHEVRON	7000 GALILEE RODE	UST	Higher	632, 0.120, East
16	ECOLAB, INC.	7456 FOOTHILLS BOULE	RCRA NonGen / NLR	Lower	721, 0.137, SW
F17	DAVID B MILLER DDS	1269 PLEASANT GROVE	Sacramento Co. ML	Lower	736, 0.139, WSW
F18	ADVANCED DENTAL CONC	1269 PLEASANT GROVE	RCRA NonGen / NLR	Lower	736, 0.139, WSW
E19	CHEVRON STATION# 208	8001 WASHINGTON BLVD	UST	Lower	768, 0.145, East
E20	CHEVRON STATION NO 2	8001 WASHINGTON BLVD	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	768, 0.145, East
E21	CHEVRON STATION# 208	8001 WASHINGTON BLVD	CERS HAZ WASTE, CERS TANKS, CERS	Lower	768, 0.145, East
G22	INTECH MECHANICAL CO	7501 GALILEE ROAD	RCRA NonGen / NLR	Lower	839, 0.159, NNE
G23	INTECH MECHANICAL LL	7501 GALILEE ROAD	RCRA NonGen / NLR	Lower	839, 0.159, NNE
G24	INTECH MECHANICAL CO	7501 GALILEE RD	RCRA NonGen / NLR	Lower	839, 0.159, NNE
H25	JUSTINS ROSEVILLE CA	8011 WASHINGTON BLVD	AST	Lower	956, 0.181, East
H26	SAN PABLO PETRO INC	8011 WASHINGTON BLVD	RCRA NonGen / NLR	Lower	956, 0.181, East
H27	SAN PABLO PETRO INC	8011 WASHINGTON BLVD	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Lower	956, 0.181, East
I28	FIRESTONE COMPLETE A	8051 WASHINGTON BLVD	CERS HAZ WASTE, CERS	Lower	1114, 0.211, ENE
I29	FIRESTONE COMPLETE A	8051 WASHINGTON BLVD	RCRA NonGen / NLR	Lower	1114, 0.211, ENE
J30	PETERSEN PRECISION E	7611 GALILEE RD	RCRA NonGen / NLR	Lower	1130, 0.214, NNE
J31	PETERSEN PRECISION R	7611 GALILEE RD	CERS HAZ WASTE, CERS	Lower	1130, 0.214, NNE
32	TSI SEMICONDUCTORS A	7501 FOOTHILLS BLVD	RCRA-SQG, ENVIROSTOR, SWEEPS UST, CA FID UST, EMI,	Lower	1600, 0.303, NNW
K33	AMERICAN OLEAN TILE	8250 INDUSTRIAL AVE	SEMS-ARCHIVE, RCRA-SQG, FINDS, ECHO	Lower	1765, 0.334, NNE
K34	SUNSTATE EQUIPMENT C	8250 INDUSTRIAL AVE	ENVIROSTOR, VCP, DEED, CHMIRS, HAZNET, HIST...	Lower	1765, 0.334, NNE
35	HEWLETT-PACKARD ROSE	8000 FOOTHILLS BLVD	RCRA-VSQG, ENVIROSTOR, CPS-SLIC, AST, SWEEPS UST,	Lower	3963, 0.751, NNW
36	WOODCREEK WEST ELEME	PARCEL 70 - WOODCREE	ENVIROSTOR, SCH	Lower	4916, 0.931, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FOOTHILLS CENTER 7465 FOOTHILLS BLVD ROSEVILLE, CA 95747	NPDES Facility Status: Active CIWQS CERS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

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

EXECUTIVE SUMMARY

SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
PFAS.....	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST.....	SWEEPS UST Listing
HIST UST.....	Hazardous Substance Storage Container Database
CA FID UST.....	Facility Inventory Database

Local Land Records

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

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
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
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
EML.....	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
CA PLACER CO. MS.....	Master List of Facilities
MWMP.....	Medical Waste Management Program Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System
HWTS.....	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2022 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AMERICAN OLEAN TILE</i> Site ID: 0901901 EPA Id: CAD980637425	<i>8250 INDUSTRIAL AVE</i>	<i>NNE 1/4 - 1/2 (0.334 mi.)</i>	<i>K33</i>	<i>212</i>

Lists of Federal RCRA generators

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 06/20/2022 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION NO 2 EPA ID:: CAR000118521	8001 WASHINGTON BLVD	E 1/8 - 1/4 (0.145 mi.)	E20	66

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/24/2022 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TSI SEMICONDUCTORS A Facility Id: 71002698 Status: Inactive - Needs Evaluation	7501 FOOTHILLS BLVD	NNW 1/4 - 1/2 (0.303 mi.)	32	161
SUNSTATE EQUIPMENT C Facility Id: 31320001 Status: Certified O&M - Land Use Restrictions Only	8250 INDUSTRIAL AVE	NNE 1/4 - 1/2 (0.334 mi.)	K34	216
HEWLETT-PACKARD ROSE Facility Id: 71003536 Status: Inactive - Needs Evaluation	8000 FOOTHILLS BLVD	NNW 1/2 - 1 (0.751 mi.)	35	238
WOODCREEK WEST ELEME Facility Id: 31010004 Status: No Further Action	PARCEL 70 - WOODCREEK	W 1/2 - 1 (0.931 mi.)	36	258

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON Database: UST, Date of Government Version: 03/07/2022 Facility Id: 31-015-071671	7000 GALILEE RODE	E 0 - 1/8 (0.120 mi.)	E15	60
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WOODCREEK OAKS PETRO Database: UST, Date of Government Version: 03/07/2022	1261 PLEASANT GROVE	SW 0 - 1/8 (0.072 mi.)	C9	43

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARCO Database: UST, Date of Government Version: 03/07/2022 Facility Id: 31-015-071670	1261 PLEASANT GROVE	SW 0 - 1/8 (0.072 mi.)	C10	44
CHEVRON STATION# 208 Database: UST, Date of Government Version: 03/07/2022	8001 WASHINGTON BLVD	E 1/8 - 1/4 (0.145 mi.)	E19	66

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JUSTINS ROSEVILLE CA Database: AST, Date of Government Version: 07/06/2016	8011 WASHINGTON BLVD	E 1/8 - 1/4 (0.181 mi.)	H25	126

Lists of state and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 01/24/2022 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUNSTATE EQUIPMENT C Status: Certified O&M - Land Use Restrictions Only Facility Id: 31320001	8250 INDUSTRIAL AVE	NNE 1/4 - 1/2 (0.334 mi.)	K34	216

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 01/18/2022 has revealed that there are 6 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WOODCREEK OAKS PETRO	1261 PLEASANT GROVE	SW 0 - 1/8 (0.072 mi.)	C8	29
SERVICE OUTLET	7401 GALILEE RD STE	NE 0 - 1/8 (0.094 mi.)	D13	49
CHEVRON STATION# 208	8001 WASHINGTON BLVD	E 1/8 - 1/4 (0.145 mi.)	E21	107
SAN PABLO PETRO INC	8011 WASHINGTON BLVD	E 1/8 - 1/4 (0.181 mi.)	H27	129
FIRESTONE COMPLETE A	8051 WASHINGTON BLVD	ENE 1/8 - 1/4 (0.211 mi.)	I28	144

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PETERSEN PRECISION R</i>	<i>7611 GALILEE RD</i>	<i>NNE 1/8 - 1/4 (0.214 mi.)</i>	<i>J31</i>	<i>160</i>

Local Lists of Registered Storage Tanks

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 01/18/2022 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WOODCREEK OAKS PETRO</i>	<i>1261 PLEASANT GROVE</i>	<i>SW 0 - 1/8 (0.072 mi.)</i>	<i>C8</i>	<i>29</i>
<i>CHEVRON STATION# 208</i>	<i>8001 WASHINGTON BLVD</i>	<i>E 1/8 - 1/4 (0.145 mi.)</i>	<i>E21</i>	<i>107</i>
<i>SAN PABLO PETRO INC</i>	<i>8011 WASHINGTON BLVD</i>	<i>E 1/8 - 1/4 (0.181 mi.)</i>	<i>H27</i>	<i>129</i>

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SUNSTATE EQUIPMENT C</i> Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 31320001	<i>8250 INDUSTRIAL AVE</i>	<i>NNE 1/4 - 1/2 (0.334 mi.)</i>	<i>K34</i>	<i>216</i>

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 13 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PAVILIONS DENTAL GRO</i> EPA ID:: CAL000417296	<i>1259 PLEASANT GROVE</i>	<i>SW 0 - 1/8 (0.025 mi.)</i>	<i>B3</i>	<i>11</i>
<i>HOYBJERG FAMILY ORTH</i> EPA ID:: CAL000448488	<i>1253 PLEASANT GROVE</i>	<i>SSW 0 - 1/8 (0.053 mi.)</i>	<i>B5</i>	<i>14</i>
<i>STAR CLEANERS LLC</i>	<i>1253 PLEASANT GROVE</i>	<i>SSW 0 - 1/8 (0.053 mi.)</i>	<i>B6</i>	<i>17</i>

EXECUTIVE SUMMARY

EPA ID:: CAL000400864					
WOODCREEK OAKS PETRO EPA ID:: CAL000256528	1261 PLEASANT GROVE	SW 0 - 1/8 (0.072 mi.)	C11	44	
RUSS PRECISION MANUF EPA ID:: CAL000438116	7351 GAILEE RD #120	NE 0 - 1/8 (0.093 mi.)	D12	47	
ECOLAB, INC. EPA ID:: CAC003007780	7456 FOOTHILLS BOULE	SW 1/8 - 1/4 (0.137 mi.)	16	60	
ADVANCED DENTAL CONC EPA ID:: CAL000233992	1269 PLEASANT GROVE	WSW 1/8 - 1/4 (0.139 mi.)	F18	63	
INTECH MECHANICAL CO EPA ID:: CAC003120369	7501 GALILEE ROAD	NNE 1/8 - 1/4 (0.159 mi.)	G22	118	
INTECH MECHANICAL LL EPA ID:: CAC002998228	7501 GALILEE ROAD	NNE 1/8 - 1/4 (0.159 mi.)	G23	121	
INTECH MECHANICAL CO EPA ID:: CAC003025811	7501 GALILEE RD	NNE 1/8 - 1/4 (0.159 mi.)	G24	123	
SAN PABLO PETRO INC EPA ID:: CAL000408282	8011 WASHINGTON BLVD	E 1/8 - 1/4 (0.181 mi.)	H26	126	
FIRESTONE COMPLETE A EPA ID:: CAL000339489	8051 WASHINGTON BLVD	ENE 1/8 - 1/4 (0.211 mi.)	I29	155	
PETERSEN PRECISION E EPA ID:: CAL000465731	7611 GALILEE RD	NNE 1/8 - 1/4 (0.214 mi.)	J30	157	

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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STAR CLEANERS LLC Database: DRYCLEANERS, Date of Government Version: 08/27/2021 EPA Id: CAL000400864	1253 PLEASANT GROVE	SSW 0 - 1/8 (0.053 mi.)	B7	19

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 [CALSTATES]. 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 is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUNSTATE EQUIPMENT C Reg Id: 31320001	8250 INDUSTRIAL AVE	NNE 1/4 - 1/2 (0.334 mi.)	K34	216

EXECUTIVE SUMMARY

CIWQS: 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.

A review of the CIWQS list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FOOTHILLS 30 MAJOR G	FOOTHILLS BOULEVARD	0 - 1/8 (0.000 mi.)	A2	11

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 is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AA TRANSMISSION	7451 GALILEE RD	NE 0 - 1/8 (0.115 mi.)	14	60

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PLEASANT CLEANERS	1253 PLEASANT GROVE	SSW 0 - 1/8 (0.053 mi.)	B4	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

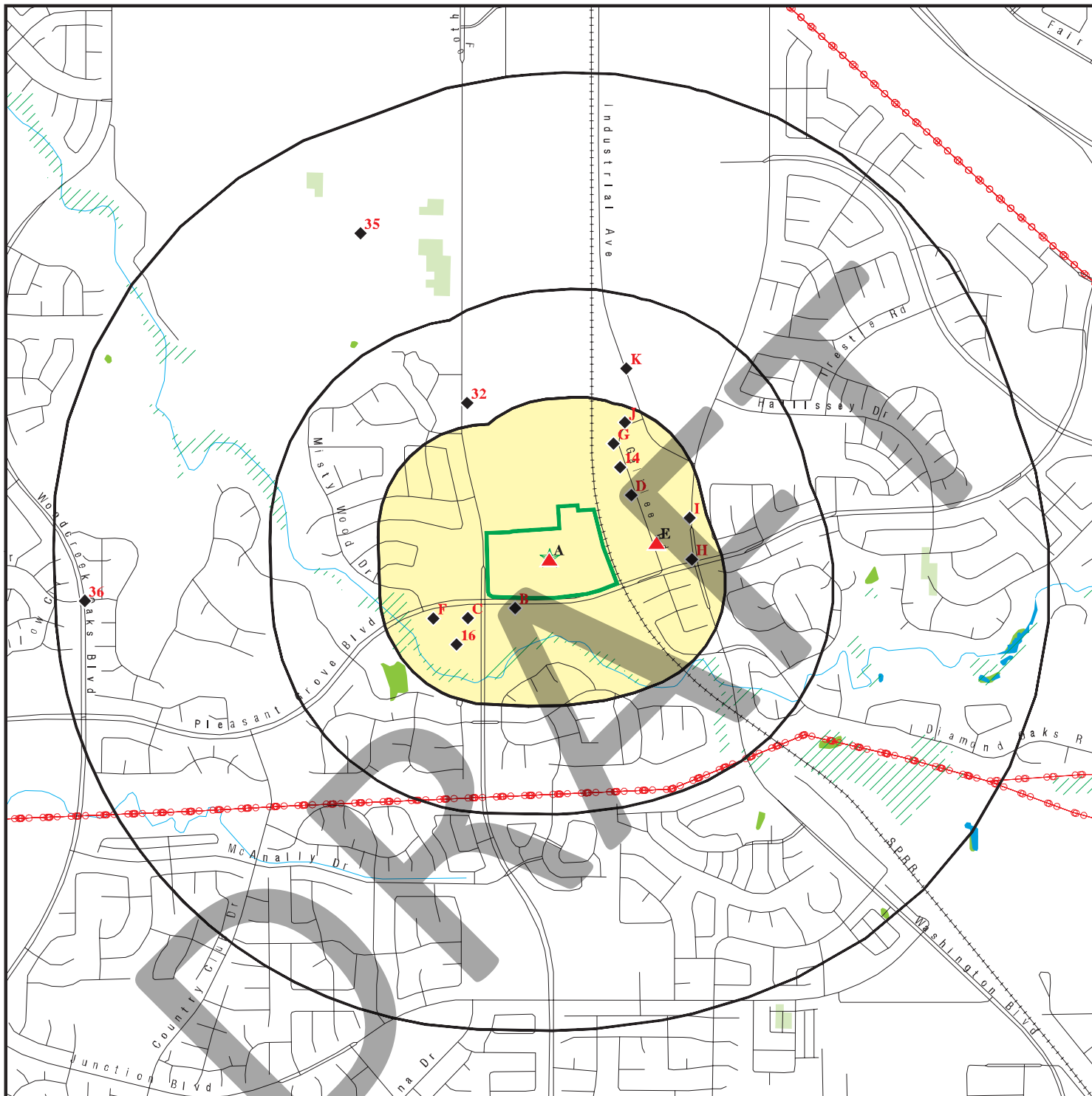
UNION PACIFIC RAILROAD COMPANY

Database(s)

PRP

DRAFT

OVERVIEW MAP - 7050871.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: APN 017-232-022-000
 ADDRESS: 7465 Foothills Boulevard
 Roseville CA 95678
 LAT/LONG: 38.773943 / 121.310013

CLIENT: Blackburn Consulting
 CONTACT: Laura Long
 INQUIRY #: 7050871.2s
 DATE: July 12, 2022 7:45 pm

DETAIL MAP - 7050871.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

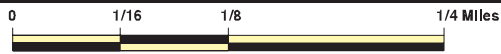
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: APN 017-232-022-000
 ADDRESS: 7465 Foothills Boulevard
 Roseville CA 95678
 LAT/LONG: 38.773943 / 121.310013

CLIENT: Blackburn Consulting
 CONTACT: Laura Long
 INQUIRY #: 7050871.2s
 DATE: July 12, 2022 7:46 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		0	0	2	2	NR	4
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	1	NR	NR	NR	4
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	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	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	4	NR	NR	NR	6
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	2	NR	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
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	8	NR	NR	NR	13
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	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		1	0	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
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
CA PLACER CO. MS	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	0	NR	NR	NR	NR	1
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	1	NR	NR	NR	NR	2
CERS	0.001	1	0	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		3	15	17	6	2	0	43

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DRAFT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

A1
Target
Property

FOOTHILLS CENTER
7465 FOOTHILLS BLVD
ROSEVILLE, CA 95747

NPDES S126354808
CIWQS N/A
CERS

Site 1 of 2 in cluster A

Actual:
157 ft.

NPDES:

Name: FOOTHILLS CENTER
Address: 7465 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
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: 5S31C391200
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: Active
Status Date: 08/24/2020
Operator Name: Foothills LLC
Operator Address: 2020 L Street 5th Floor
Operator City: Sacramento
Operator State: California
Operator Zip: 95811

Name: FOOTHILLS CENTER
Address: 7465 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Facility Status: Active
NPDES Number: CAS000002
Region: 5S
Agency Number: 0
Regulatory Measure ID: 522042
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 5S31C391200
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/24/2020
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2020 L Street 5th Floor
Discharge Name: Foothills LLC
Discharge City: Sacramento
Discharge State: California
Discharge Zip: 95811

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOOTHILLS CENTER (Continued)

S126354808

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

CIWQS:

Name: FOOTHILLS CENTER
Address: 7465 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Agency: Foothills LLC
Agency Address: 2020 L Street 5th Floor, Sacramento, CA 95811
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 5S
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 5S31C391200
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 08/24/2020
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 1
Latitude: 38.77339
Longitude: -121.312125

CERS:

Name: FOOTHILLS CENTER
Address: 7465 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Site ID: 582348
CERS ID: 882838
CERS Description: Construction Storm Water

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Foothills LLC
Entity Title: Operator
Affiliation Address: 2020 L Street 5th Floor
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95811
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2 **FOOTHILLS 30 MAJOR GRADING PLAN PROJECT**
FOOTHILLS BOULEVARD
ROSEVILLE, CA 95747

CIWQS **S125494407**
N/A

< 1/8
1 ft.

Site 2 of 2 in cluster A

Relative:
Higher
Actual:
157 ft.

CIWQS:
Name: FOOTHILLS 30 MAJOR GRADING PLAN PROJECT
Address: FOOTHILLS BOULEVARD
City,State,Zip: ROSEVILLE, CA 95747
Agency: Pappas Investments
Agency Address: 2020 L Street Fifth Floor, Sacramento, CA 95811
Place/Project Type: Dredge/Fill Site
SIC/NAICS: Not reported
Region: 5S
Program: CERFILLEXC
Regulatory Measure Status: Active
Regulatory Measure Type: 401 Certification
Order Number: Not reported
WDID: 5A31CR00515
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 01/13/2020
Termination Date: Not reported
Expiration/Review Date: 01/12/2025
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.773951
Longitude: -121.310027

B3 **PAVILIONS DENTAL GROUP**
SW **1259 PLEASANT GROVE BLVD STE 100**
< 1/8 **ROSEVILLE, CA 95678**
0.025 mi.
131 ft.

RCRA NonGen / NLR **1024855109**
CAL000417296

Site 1 of 5 in cluster B

Relative:
Lower
Actual:
145 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20160519
Handler Name: PAVILIONS DENTAL GROUP
Handler Address: 1259 PLEASANT GROVE BLVD STE 100
Handler City,State,Zip: ROSEVILLE, CA 95678-6974
EPA ID: CAL000417296
Contact Name: JAMES ROE
Contact Address: 1259 PLEASANT GROVE BLVD STE 100
Contact City,State,Zip: ROSEVILLE, CA 95678
Contact Telephone: 916-782-2010
Contact Fax: 916-782-2080
Contact Email: RISK@PACDEN.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAVILIONS DENTAL GROUP (Continued)

1024855109

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17000 RED HILL AVE
Mailing City, State, Zip:	IRVINE, CA 92614
Owner Name:	BRYANT VEST DENTAL CORPORATION
Owner Type:	Other
Operator Name:	JAMES ROE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAVILIONS DENTAL GROUP (Continued)

1024855109

Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: BRYANT VEST DENTAL CORPORATION
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1259 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678-6974
Owner/Operator Telephone: 916-782-2010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JAMES ROE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1259 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 916-782-2010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20160519
Handler Name: PAVILIONS DENTAL GROUP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 62121
NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAVILIONS DENTAL GROUP (Continued)

1024855109

Evaluation Action Summary:
Evaluations:

No Evaluations Found

B4
SSW
< 1/8
0.053 mi.
281 ft.

PLEASANT CLEANERS
1253 PLEASANT GROVE BLVD
ROSEVILLE, CA 95678

EDR Hist Cleaner **1018499618**
N/A

Site 2 of 5 in cluster B

Relative:
Lower

EDR Hist Cleaner

Actual:
149 ft.

Year: Name:
2007 PLEASANT CLEANERS
2008 PLEASANT CLEANERS
2010 PLEASANT CLEANERS
2011 PLEASANT CLEANERS
2012 PLEASANT CLEANERS
2013 PLEASANT CLEANERS
2014 STAR CLEANERS
2014 PLEASANT CLEANERS

Type:
Laundry And Drycleaner Agents
Laundry And Drycleaner Agents
Laundry And Drycleaner Agents
Laundry And Drycleaner Agents
Laundry And Drycleaner Agents
Laundry And Drycleaner Agents
Building And Office Cleaning Services
Laundry And Drycleaner Agents

B5
SSW
< 1/8
0.053 mi.
281 ft.

HOYBJERG FAMILY ORTHODONTICS
1253 PLEASANT GROVE BLVD STE 190
ROSEVILLE, CA 95678

RCRA NonGen / NLR **1025875354**
CAL000448488

Site 3 of 5 in cluster B

Relative:
Lower

RCRA NonGen / NLR:

Actual:
149 ft.

Date Form Received by Agency: 20190828
Handler Name: HOYBJERG FAMILY ORTHODONTICS
Handler Address: 1253 PLEASANT GROVE BLVD STE 190
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000448488
Contact Name: JESSICA CANT
Contact Address: 9550 MICRON AVE STE A
Contact City,State,Zip: SACRAMENTO, CA 95827
Contact Telephone: 916-381-7171
Contact Fax: 916-381-1171
Contact Email: JESSICASTRUTZBRACES@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 1253 PLEASANT GROVE BLVD STE 190
Mailing City,State,Zip: ROSEVILLE, CA 95678
Owner Name: CHRISTIAN HOYBJERG DDS APOC
Owner Type: Other
Operator Name: JESSICA CANT
Operator Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOYBJERG FAMILY ORTHODONTICS (Continued)

1025875354

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOYBJERG FAMILY ORTHODONTICS (Continued)

1025875354

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHRISTIAN HOYBJERG DDS APOC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9550 MICRON AVE STE A
Owner/Operator City,State,Zip:	SACRAMENTO, CA 95827
Owner/Operator Telephone:	916-381-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JESSICA CANT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9550 MICRON AVE STE A
Owner/Operator City,State,Zip:	SACRAMENTO, CA 95827
Owner/Operator Telephone:	916-381-7171
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190828
Handler Name:	HOYBJERG FAMILY ORTHODONTICS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	621210
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B6
SSW
< 1/8
0.053 mi.
281 ft.

STAR CLEANERS LLC
1253 PLEASANT GROVE BLVD STE 100
ROSEVILLE, CA 95678

RCRA NonGen / NLR **1024846619**
CAL000400864

Site 4 of 5 in cluster B

Relative:
Lower
Actual:
149 ft.

RCRA NonGen / NLR: 20140930
Date Form Received by Agency: STAR CLEANERS LLC
Handler Name: 1253 PLEASANT GROVE BLVD STE 100
Handler Address: ROSEVILLE, CA 95678-6982
Handler City,State,Zip: CAL000400864
EPA ID: AYESH MUNIR
Contact Name: 1253 PLEASANT GROVE BLVD STE 100
Contact Address: ROSEVILLE, CA 95678
Contact City,State,Zip: 916-865-8423
Contact Telephone: Not reported
Contact Fax: AYESHMUIR@YAHOO.COM
Contact Email: Not reported
Contact Title: 09
EPA Region: Not reported
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1253 PLEASANT GROVE BLVD STE 100
Mailing City,State,Zip: ROSEVILLE, CA 95678-6982
Owner Name: AYESH MUNIR
Owner Type: Other
Operator Name: AYESH MUNIR
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRP Permit Baseline: Not on the Baseline
2018 GPRP Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

1024846619

Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20180906
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: AYESH MUNIR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1253 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 916-865-8423
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AYESH MUNIR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1253 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678-6982
Owner/Operator Telephone: 916-865-8423
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

1024846619

Historic Generators:

Receive Date: 20140930
Handler Name: STAR CLEANERS LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

B7
SSW
< 1/8
0.053 mi.
281 ft.

STAR CLEANERS LLC
1253 PLEASANT GROVE BLVD STE 100
ROSEVILLE, CA 95678

DRYCLEANERS **S117572389**
HAZNET **N/A**
HWTS

Site 5 of 5 in cluster B

Relative:
Lower
Actual:
149 ft.

DRYCLEANERS:

Name: STAR CLEANERS LLC
Address: 1253 PLEASANT GROVE BLVD STE 100
City,State,Zip: ROSEVILLE, CA 956786982
EPA Id: CAL000400864
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/30/2014
Facility Active: No
Inactive Date: 06/30/2019
Facility Addr2: Not reported
Owner Name: AYESH MUNIR
Owner Address: 1253 PLEASANT GROVE BLVD STE 100
Owner Address 2: Not reported
Owner Telephone: 9168658423
Contact Name: AYESH MUNIR
Contact Address: 1253 PLEASANT GROVE BLVD STE 100
Contact Address 2: Not reported
Contact Telephone: 9167558123
Contact Fax: Not reported
Mailing Name: Not reported
Mailing Address 1: 1253 PLEASANT GROVE BLVD STE 100
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Mailing City: ROSEVILLE
Mailing State: CA
Mailing Zip: 956786982
Owner Fax: Not reported
Region Code: 1
Latitude: 0
Longitude: 0

HAZNET:

Name: STAR CLEANERS LLC
Address: 1253 PLEASANT GROVE BLVD STE 100
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 956786982
Contact: AAMER MUNIR
Telephone: 9168658423
Mailing Name: Not reported
Mailing Address: 1253 PLEASANT GROVE BLVD STE 100

Year: 2016
Gepaid: CAL000400864
TSD EPA ID: CAD008302903
CA Waste Code: 251 - Still bottoms with halogenated organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.2

Year: 2016
Gepaid: CAL000400864
TSD EPA ID: CAD008302903
CA Waste Code: 251 - Still bottoms with halogenated organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.2

Year: 2015
Gepaid: CAL000400864
TSD EPA ID: CAD008302903
CA Waste Code: 251 - Still bottoms with halogenated organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.2

Year: 2015
Gepaid: CAL000400864
TSD EPA ID: CAD008302903
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1075

Year: 2015
Gepaid: CAL000400864
TSD EPA ID: CAT080014079
CA Waste Code: 251 - Still bottoms with halogenated organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2

Year: 2015
Gepaid: CAL000400864

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

TSD EPA ID: CAD008302903
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.005
Year: 2015
Gepaid: CAL000400864
TSD EPA ID: CAD008302903
CA Waste Code: 251 - Still bottoms with halogenated organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.425

Additional Info:

Year: 2015
Gen EPA ID: CAL000400864

Shipment Date: 20150824
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20150914
Manifest ID: 000931824VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSD EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150824
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20150914
Manifest ID: 000931824VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSD EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Treatment/Reovery (H010-H129) Or (H131-H135)
0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150424
Creation Date: 8/27/2015 22:15:26
Receipt Date: 20150518
Manifest ID: 000930885VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150109
Creation Date: 3/23/2015 22:15:06
Receipt Date: 20150123
Manifest ID: 000933345VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000400864

Shipment Date: 20150824
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20150914
Manifest ID: 000931824VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150824
Creation Date: 11/17/2015 22:15:24
Receipt Date: 20150914
Manifest ID: 000931824VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150424
Creation Date: 8/27/2015 22:15:26
Receipt Date: 20150518
Manifest ID: 000930885VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5)
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150313
Creation Date: 6/25/2015 22:16:05
Receipt Date: 20150406
Manifest ID: 000933188VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150109
Creation Date: 3/23/2015 22:15:06
Receipt Date: 20150123
Manifest ID: 000933345VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAT000624247
Trans 2 Name: MP ENVIRONMENTAL SERVICES
TSDf EPA ID: CAT080014079

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR CLEANERS LLC (Continued)

S117572389

Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 251 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: STAR CLEANERS LLC
Address: 1253 PLEASANT GROVE BLVD STE 100
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000400864
Inactive Date: 06/30/2019
Create Date: 09/30/2014
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1253 PLEASANT GROVE BLVD STE 100
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEVILLE, CA 956786982
Owner Name: AYESH MUNIR
Owner Address: 1253 PLEASANT GROVE BLVD STE 100
Owner Address 2: Not reported
Owner City,State,Zip: ROSEVILLE, CA 956786982
Contact Name: AYESH MUNIR
Contact Address: 1253 PLEASANT GROVE BLVD STE 100
Contact Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 38.771937
Longitude: -121.3111305

NAICS:

EPA ID: CAL000400864
Create Date: 2014-09-30 10:04:16.790
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2014-09-30 10:04:16.78700
Inactive Date: 2019-06-30 00:00:00
Facility Name: STAR CLEANERS LLC
Facility Address: 1253 PLEASANT GROVE BLVD STE 100
Facility Address 2: Not reported
Facility City: ROSEVILLE
Facility County: Not reported
Facility State: CA
Facility Zip: 956786982

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Site

Database(s)

C8
SW
< 1/8
0.072 mi.
382 ft.

WOODCREEK OAKS PETROLEUM
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747

CERS HAZ WASTE
CERS TANKS
CERS

S121750011
N/A

Site 1 of 4 in cluster C

Relative:
Lower
Actual:
148 ft.

CERS HAZ WASTE:
Name:
Address:
City,State,Zip:
Site ID:
CERS ID:
CERS Description:

WOODCREEK OAKS PETROLEUM
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747
172243
10412551
Hazardous Waste Generator

CERS TANKS:

Name:
Address:
City,State,Zip:
Site ID:
CERS ID:
CERS Description:

WOODCREEK OAKS PETROLEUM
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747
172243
10412551
Underground Storage Tank

CERS:

Name:
Address:
City,State,Zip:
Site ID:
CERS ID:
CERS Description:

WOODCREEK OAKS PETROLEUM
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747
172243
10412551
Chemical Storage Facilities

Violations:

Site ID:
Site Name:
Violation Date:
Citation:

172243
Woodcreek Oaks Petroleum
01-24-2019
HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description:

"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes:

Returned to compliance on 01/24/2019. Diesel spill bucket failed lake test, tightened swivel and retested.

Violation Division:
Violation Program:
Violation Source:

Roseville City Fire Department
UST
CERS,

Site ID:
Site Name:
Violation Date:
Citation:

172243
Woodcreek Oaks Petroleum
01-22-2018
HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Violation Notes: Returned to compliance on 03/28/2018.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 01/24/2019. 87 annular programmed as diesel annular, reprogrammed, passed.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 02-03-2016
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/08/2016. Flappers are installed - Overfill Audible/Visual not functioning. This is redundant so SOC maintained
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 03-08-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/09/2016. Diesel portion of split tank was never reported
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-30-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/17/2017. Update certificate of financial responsibility
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 06-10-2020
Citation: 23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)
Violation Description: Failure to submit a copy of the spill containment test results on the Spill Container Testing Report Form to the UPA within 30 days after the test.
Violation Notes: Results of spill bucket testing not received by CUPA Inspector.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 01/24/2019. 91 diesel annular programmed as 87 annular, reprogrammed, passed.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. "
Violation Notes: Returned to compliance on 03/20/2019.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 12-01-2020
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 12/02/2020. CERS UST Reporting- Overfill prevention needs to be updated to show Drop tube flapper valve and Audible alarm are part of UST system.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Violation Description: Section(s) 25284.2
"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months."

Violation Notes: Returned to compliance on 01/24/2019. Liquid present in 91 spill bucket. Liquid pumped out.

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 02-05-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 02/06/2015.

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 12-01-2021
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 12/01/2021. 91 Unleaded LLD Failed Initially, replaced siphon jet during inspection-LLD passed

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-30-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 03/17/2017. Update letter from Chief Financial Officer

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/06/2019.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-30-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)

Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 03/17/2017. Provide updated list of DO and expiration date
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Violation Notes: Returned to compliance on 01/24/2019. 91 fill drop tube with flapper had a tank measuring stick inside, removed.

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-30-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)

Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.

Violation Notes: Returned to compliance on 01/30/2017. Sensor in Dispenser 7/8 did not shut down 87 STP upon testing; corrected onsite

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 01/24/2019. Liquid present in 87 spill bucket. Liquid pumped out.

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-30-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 03/17/2017. Update Co2 inventory in CERs to cuft

Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-24-2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 01/24/2019. 91 fill sump 208 failed, replaced, retested, passed.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 172243
Site Name: Woodcreek Oaks Petroleum
Violation Date: 01-22-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overflow prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 03/28/2018.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-28-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: MSC and spill bucket testing was completed in January 2020 by Walton Engineering Services without a CUPA Inspector present during the inspection.
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: No violations found at this time
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-28-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-28-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-22-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Cold start performed on 6/22/2020 due to the replacement of dispensers. All sensors were test and verified. All alarms were received at the veeder root.
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations found at this time
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2017
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-08-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations found at this time
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Eval General Type: Other/Unknown
Eval Date: 03-08-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:

Site ID: 172243
Facility Name: Woodcreek Oaks Petroleum
Env Int Type Code: HWG
Program ID: 10412551
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.771980
Longitude: -121.313510

Affiliation:

Affiliation Type Desc: UST Tank Owner
Entity Name: Woodcreek Oaks Petroleum
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95630
Affiliation Phone: (916) 257-6497,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Marc Strauch
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: United States

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Affiliation Zip: 95630
Affiliation Phone: (916) 294-9752,

Affiliation Type Desc: Parent Corporation
Entity Name: Woodcreek Oaks Petroleum
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Document Preparer
Entity Name: Denise Audino
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Marc Strauch
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Marc Strauch
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Marc Strauch
Entity Title: Not reported
Affiliation Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

S121750011

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (916) 257-6497,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Marc Strauch
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (916) 257-6497,

Affiliation Type Desc: UST Property Owner Name
Entity Name: Woodcreek Oaks Petroleum
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95630
Affiliation Phone: (916) 294-9752,

Affiliation Type Desc: UST Tank Operator
Entity Name: Woodcreek Oaks Petroleum
Entity Title: Not reported
Affiliation Address: 193 Blue Ravine Road #135
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95630
Affiliation Phone: (916) 257-6497,

**C9
SW
< 1/8
0.072 mi.
382 ft.**

**WOODCREEK OAKS PETROLEUM
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747**

Site 2 of 4 in cluster C

**UST U004358920
N/A**

**Relative:
Lower
Actual:
148 ft.**

UST:
Name: WOODCREEK OAKS PETROLEUM
Address: 1261 PLEASANT GROVE BLVD
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: Not reported
Permitting Agency: Roseville City Fire Department
CERSID: 10412551
Latitude: 38.77198
Longitude: -121.31351

Name: WOODCREEK OAKS PETROLEUM
Address: 1261 PLEASANT GROVE BLVD
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: Not reported
Permitting Agency: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM (Continued)

U004358920

CERSID: Not reported
Latitude: 38.77198
Longitude: -121.31351

C10
SW
< 1/8
0.072 mi.
382 ft.

ARCO
1261 PLEASANT GROVE BLVD.
ROSEVILLE, CA 95747

UST U004346869
N/A

Site 3 of 4 in cluster C

Relative:
Lower

UST:
Name: ARCO
Address: 1261 PLEASANT GROVE BLVD.
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: 31-015-071670
Permitting Agency: ROSEVILLE, CITY OF
CERSID: Not reported
Latitude: 38.7731631
Longitude: -121.3124186

Actual:
148 ft.

C11
SW
< 1/8
0.072 mi.
382 ft.

WOODCREEK OAKS PETROLEUM INC
1261 PLEASANT GROVE BLVD
ROSEVILLE, CA 95747

RCRA NonGen / NLR 1024804122
CAL000256528

Site 4 of 4 in cluster C

Relative:
Lower

RCRA NonGen / NLR:
Date Form Received by Agency: 20020725
Handler Name: WOODCREEK OAKS PETROLEUM INC
Handler Address: 1261 PLEASANT GROVE BLVD
Handler City,State,Zip: ROSEVILLE, CA 95747-5883
EPA ID: CAL000256528
Contact Name: MARC STRAUCH
Contact Address: 301 NATOMA ST SUITE 202
Contact City,State,Zip: FOLSOM, CA 95630
Contact Telephone: 916-294-9752
Contact Fax: 916-294-9753
Contact Email: MARC.S@STRAUCHCO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 301 NATOMA ST SUITE 202
Mailing City,State,Zip: FOLSOM, CA 95630-2641
Owner Name: WOODCREEK OAKS PETROLEUM INC
Owner Type: Other
Operator Name: MARC STRAUCH
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No

Actual:
148 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM INC (Continued)

1024804122

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator:

Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK OAKS PETROLEUM INC (Continued)

1024804122

Owner/Operator Name: WOODCREEK OAKS PETROLEUM INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 301 NATOMA ST SUITE 202
Owner/Operator City,State,Zip: FOLSOM, CA 95630-2641
Owner/Operator Telephone: 916-294-9752
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MARC STRAUCH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 301 NATOMA ST SUITE 202
Owner/Operator City,State,Zip: FOLSOM, CA 95630
Owner/Operator Telephone: 916-294-9752
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20020725
Handler Name: WOODCREEK OAKS PETROLEUM INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D12
NE
< 1/8
0.093 mi.
491 ft.

RUSS PRECISION MANUFACTURING INC
7351 GAILEE RD #120
ROSEVILLE, CA 95678

RCRA NonGen / NLR

1024869501
CAL000438116

Site 1 of 2 in cluster D

Relative:
Lower
Actual:
142 ft.

RCRA NonGen / NLR:

Date Form Received by Agency: 20180807
Handler Name: RUSS PRECISION MANUFACTURING INC
Handler Address: 7351 GAILEE RD #120
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000438116
Contact Name: MICHEL RUSS
Contact Address: 4120 DOUGLAS BLVD #306-204
Contact City,State,Zip: ROSEVILLE, CA 95678
Contact Telephone: 916-472-6568
Contact Fax: 916-472-6820
Contact Email: SALES@RUSSPM.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 7351 GAILEE RD #120
Mailing City,State,Zip: ROSEVILLE, CA 95678
Owner Name: MICHEL RUSS
Owner Type: Other
Operator Name: MICHEL RUSS
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSS PRECISION MANUFACTURING INC (Continued)

1024869501

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:	Operator
Owner/Operator Indicator:	MICHEL RUSS
Owner/Operator Name:	Other
Legal Status:	Not reported
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4120 DOUGLAS BLVD #306-204
Owner/Operator City,State,Zip:	ROSEVILLE, CA 95678
Owner/Operator Telephone:	916-472-6568
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHEL RUSS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4120 DOUGLAS BLVD #306-204
Owner/Operator City,State,Zip:	ROSEVILLE, CA 95678
Owner/Operator Telephone:	916-517-9624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSS PRECISION MANUFACTURING INC (Continued)

1024869501

Historic Generators:

Receive Date: 20180807
Handler Name: RUSS PRECISION MANUFACTURING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

D13
NE
< 1/8
0.094 mi.
496 ft.

SERVICE OUTLET
7401 GALILEE RD STE 150
ROSEVILLE, CA 95678

CERS HAZ WASTE S121790079
CERS N/A

Site 2 of 2 in cluster D

Relative:
Lower

CERS HAZ WASTE:

Actual:
144 ft.

Name: SERVICE OUTLET
Address: 7401 GALILEE RD STE 150
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 66707
CERS ID: 10479991
CERS Description: Hazardous Waste Generator

CERS:

Name: SERVICE OUTLET
Address: 7401 GALILEE RD STE 150
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 66707
CERS ID: 10479991
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-24-2020
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Violation Notes: Returned to compliance on 01/20/2021. Annual hazardous materials business plan review is due within the California Environmental Reporting System (<https://cers.calepa.ca.gov>)

Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-01-2013
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)

Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violation Notes: Returned to compliance on 01/02/2014.

Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-22-2016
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 03/13/2017. Close lid for antifreeze

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-25-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 10/25/2017. Add a lid to ethylene glycol barrel

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-22-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Violation Description: Chapter 12, Section(s) 66262.34(f)
Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 03/13/2017. Waste antifreeze missing hazwaste label completely

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-10-2014
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34

Violation Description: Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".

Violation Notes: Returned to compliance on 11/22/2015. Batteries should have a sign posted that states frequency of pick up

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 01-23-2020
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 01/23/2020. - provide waste manifests for 2019

Violation Division: Roseville City Fire Department
Violation Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-01-2013
Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description: Failure of the universal waste handler to properly process accumulated universal waste within a maximum accumulation time of one year and /or demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received. The universal waste handler may make this demonstration by: 1) Placing the universal waste in a container and marking or labeling the container with the earliest date that any universal waste in the container became a waste or was received; 2) Marking or labeling the individual item of universal waste (e.g., each battery or thermostat) with the date it became a waste or was received; 3) Maintaining an inventory system onsite that identifies the date the universal waste being accumulated became a waste or was received; 4) Maintaining an inventory system onsite that identifies the earliest date that any universal waste in a group of items of universal waste or a group of containers of universal waste became a waste or was received; 5) Placing the universal waste in a specific accumulation area and marking or labeling the area to identify the earliest date that any universal waste in the area became a waste or was received; or 6) Any other method which clearly demonstrates the length of time that the universal waste has been accumulated from the date it became a waste or was received.

Violation Notes: Returned to compliance on 11/01/2013. Note frequency of used batteries removed.

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-25-2017
Citation: 22 CCR 16 66266.81(b) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(b)
Violation Description: Failure to properly store damaged lead acid batteries in a nonreactive, structurally secure, closed container, and/or failure to label damaged lead acid battery with the date that the first battery in the container was placed there with ink, paint or other weather-resistant material so as to minimize the release of acid and lead.

Violation Notes: Returned to compliance on 11/25/2017. Place old batteries in a poly bin

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-25-2017
Citation: 22 CCR 16 66266.81(b) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(b)
Violation Description: Failure to properly store damaged lead acid batteries in a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

nonreactive, structurally secure, closed container, and/or failure to label damaged lead acid battery with the date that the first battery in the container was placed there with ink, paint or other weather-resistant material so as to minimize the release of acid and lead.

Violation Notes: Returned to compliance on 05/29/2018. Post sign indicating frequency of pick up for old batteries

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-25-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 05/29/2018. Provide manifest from oil filter pick up in July/2017

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-04-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Notes: Returned to compliance on 05/23/2016.

Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-05-2015
Citation: 22 CCR 16 66266.81(b) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(b)

Violation Description: Failure to properly manage, store, and label a damaged lead acid battery so as to minimize the release of acid and lead and to protect the environment.

Violation Notes: Returned to compliance on 05/23/2016. label frequency of battery pick up

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 10-10-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Violation Description: Section(s) 25508(d)
Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 03/08/2017. CERS submittal is not complete

Violation Division: Roseville City Fire Department

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 66707

Site Name: Service Outlet

Violation Date: 01-23-2020

Citation: 40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)

Violation Description: Failure to inspect hazardous waste tanks at least once each operating day for the following, when present: (1) Discharge control equipment (e.g., waste feed cutoff systems, by-pass systems, and drainage systems) to ensure that it is in good working order; (2) Data gathered from monitoring equipment (e.g., pressure and temperature gauges) to ensure that the tank is being operated according to its design; (3) The level of waste in the tank.

Violation Notes: Returned to compliance on 01/23/2020. - pump out secondary on waste oil tank (7 inches of fluid present

Violation Division: Roseville City Fire Department

Violation Program: HW

Violation Source: CERS,

Site ID: 66707

Site Name: Service Outlet

Violation Date: 11-24-2020

Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 01/20/2021. Please provide last 3 years of waste manifest for review

Violation Division: Roseville City Fire Department

Violation Program: HW

Violation Source: CERS,

Site ID: 66707

Site Name: Service Outlet

Violation Date: 10-10-2014

Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35

Violation Description: Failure of the universal waste handler to properly process accumulated universal waste within a maximum accumulation time of one year and /or demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received. The universal waste handler may make this demonstration by: 1) Placing the universal waste in a container and marking or labeling the container with the earliest date that any universal waste in the container became a waste or was received; 2) Marking or labeling the individual item of universal waste (e.g., each battery or thermostat) with the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

date it became a waste or was received; 3) Maintaining an inventory system onsite that identifies the date the universal waste being accumulated became a waste or was received; 4) Maintaining an inventory system onsite that identifies the earliest date that any universal waste in a group of items of universal waste or a group of containers of universal waste became a waste or was received; 5) Placing the universal waste in a specific accumulation area and marking or labeling the area to identify the earliest date that any universal waste in the area became a waste or was received; or 6) Any other method which clearly demonstrates the length of time that the universal waste has been accumulated from the date it became a waste or was received.

Violation Notes: Returned to compliance on 11/12/2014. Bulbs not discarded - please discard light tubes as discussed.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66707
Site Name: Service Outlet
Violation Date: 11-22-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Returned to compliance on 03/08/2017. Annual renewal due May
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW

SERVICE OUTLET (Continued)

S121790079

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Eval Date: 01-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-24-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-13-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: No
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE OUTLET (Continued)

S121790079

Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-24-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:

Affiliation Type Desc: Identification Signer
Entity Name: Leo Ali
Entity Title: owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Leo Ali
Entity Title: Not reported
Affiliation Address: 7401 Galilee RD #150
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95678
Affiliation Phone: (916) 782-9498,

Affiliation Type Desc: Document Preparer
Entity Name: Leo Ali
Entity Title: Not reported
Affiliation Address: Not reported

SERVICE OUTLET (Continued)

S121790079

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 7401 Galilee RD #150
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Service Outlet
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Environmental Contact
Entity Name: Leo Ali
Entity Title: Not reported
Affiliation Address: 7401 Galilee RD #150
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Service Outlet
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: (916) 257-2569,

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

14
NE
< 1/8
0.115 mi.
609 ft.

AA TRANSMISSION
7451 GALILEE RD
ROSEVILLE, CA 95678

EDR Hist Auto 1021313798
N/A

Relative:
Lower

EDR Hist Auto

Actual:
142 ft.

Year: Name:
2005 AA TRANSMISSION
2006 AA TRANSMISSION

Type:
Automotive Transmission Repair Shops
Automotive Transmission Repair Shops

E15
East
< 1/8
0.120 mi.
632 ft.

CHEVRON
7000 GALILEE RODE
ROSEVILLE, CA 95661

UST U003782331
N/A

Site 1 of 4 in cluster E

Relative:
Higher

UST:

Actual:
163 ft.

Name: CHEVRON
Address: 7000 GALILEE RODE
City,State,Zip: ROSEVILLE, CA 95661
Facility ID: 31-015-071671
Permitting Agency: ROSEVILLE, CITY OF
CERSID: Not reported
Latitude: 38.7394
Longitude: -121.25785

16
SW
1/8-1/4
0.137 mi.
721 ft.

ECOLAB, INC.
7456 FOOTHILLS BOULEVARD, SUITE B
ROSEVILLE, CA 95747

RCRA NonGen / NLR 1025828227
CAC003007780

Relative:
Lower

RCRA NonGen / NLR:

Actual:
135 ft.

Date Form Received by Agency: 20190328
Handler Name: ECOLAB, INC.
Handler Address: 7456 FOOTHILLS BOULEVARD, SUITE B
Handler City,State,Zip: ROSEVILLE, CA 95747
EPA ID: CAC003007780
Contact Name: TROY SHARRATT
Contact Address: 1 ECOLAB PLACE
Contact City,State,Zip: ST. PAUL, MN 55102
Contact Telephone: 651-293-2890
Contact Fax: Not reported
Contact Email: TROY.SHARRATT@ECOLAB.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1 ECOLAB LACE
Mailing City,State,Zip: ST. PAUL, MN 55102

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLAB, INC. (Continued)

1025828227

Owner Name:	ECOLAB, INC.
Owner Type:	Other
Operator Name:	TROY SHARRATT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190626
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLAB, INC. (Continued)

1025828227

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: TROY SHARRATT
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1 ECOLAB PLACE
Owner/Operator City,State,Zip: ST. PAUL, MN 55102
Owner/Operator Telephone: 651-293-2890
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ECOLAB, INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1 ECOLAB LACE
Owner/Operator City,State,Zip: ST. PAUL, MN 55102
Owner/Operator Telephone: 651-293-2890
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20190328
Handler Name: ECOLAB, INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F17
WSW
1/8-1/4
0.139 mi.
736 ft.

DAVID B MILLER DDS
1269 PLEASANT GROVE BLVD STE 100
ROSEVILLE, CA 95747

Sacramento Co. ML S106092593
N/A

Site 1 of 2 in cluster F

Relative:
Lower
Actual:
131 ft.

Sacramento Co. ML:
Name: DAVID B MILLER DDS
Address: 1269 PLEASANT GROVE BLVD STE 100
City,State,Zip: ROSEVILLE, CA 95747-5858
Facility Id: Not reported
Facility Status: Not reported
FD: Not reported
Billing Codes BP: Not reported
Billing Codes UST: Not reported
WG Bill Code: I
Target Property Bill Cod: Not reported
Food Bill Code: Not reported
CUPA Permit Date: Not reported
HAZMAT Permit Date: Not reported
HAZMAT Inspection Date: Not reported
Hazmat Date BP Received: Not reported
UST Permit Dt: Not reported
UST Inspection Date: Not reported
UST Tank Test Date: Not reported
Number of Tanks: Not reported
UST Tank Test Date: Not reported
SIC Code: Not reported
Tier Permitting: Not reported
AST Bill Code: Not reported
CALARP Bill Code: Not reported

F18
WSW
1/8-1/4
0.139 mi.
736 ft.

ADVANCED DENTAL CONCEPT
1269 PLEASANT GROVE BLVD STE 100
ROSEVILLE, CA 95747

RCRA NonGen / NLR 1024801750
CAL000233992

Site 2 of 2 in cluster F

Relative:
Lower
Actual:
131 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20010918
Handler Name: ADVANCED DENTAL CONCEPT
Handler Address: 1269 PLEASANT GROVE BLVD STE 100
Handler City,State,Zip: ROSEVILLE, CA 95747-0000
EPA ID: CAL000233992
Contact Name: DAVID MILLER DDS
Contact Address: 1269 PLEASANT GROVE BLVD STE 100
Contact City,State,Zip: ROSEVILLE, CA 95747
Contact Telephone: 916-786-4865
Contact Fax: 000-000-0000
Contact Email: DRDBMILLER@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED DENTAL CONCEPT (Continued)

1024801750

Mailing Address:	1269 PLEASANT GROVE BLVD STE 100
Mailing City,State,Zip:	ROSEVILLE, CA 95747-0000
Owner Name:	DAVID B MILLER DDS A. PROF. CORP.
Owner Type:	Other
Operator Name:	DAVID MILLER DDS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED DENTAL CONCEPT (Continued)

1024801750

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: DAVID MILLER DDS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1269 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95747
Owner/Operator Telephone: 916-786-4865
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DAVID B MILLER DDS A. PROF. CORP.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1269 PLEASANT GROVE BLVD STE 100
Owner/Operator City,State,Zip: ROSEVILLE, CA 95747-0000
Owner/Operator Telephone: 916-786-4865
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20010918
Handler Name: ADVANCED DENTAL CONCEPT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 62121
NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

E19 **CHEVRON STATION# 208398/1321**
East **8001 WASHINGTON BLVD**
1/8-1/4 **ROSEVILLE, CA 95678**
0.145 mi.
768 ft. **Site 2 of 4 in cluster E**

UST **U004263130**
N/A

Relative:
Lower
Actual:
150 ft.

UST:
Name: CHEVRON STATION# 208398/1321
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Facility ID: Not reported
Permitting Agency: Roseville City Fire Department
CERSID: Not reported
Latitude: 38.77406
Longitude: -121.30473

Name: CHEVRON STATION# 208398/1321
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Facility ID: Not reported
Permitting Agency: Roseville City Fire Department
CERSID: 10445713
Latitude: 38.77406
Longitude: -121.30473

E20 **CHEVRON STATION NO 208398**
East **8001 WASHINGTON BLVD**
1/8-1/4 **ROSEVILLE, CA 95678**
0.145 mi.
768 ft. **Site 3 of 4 in cluster E**

RCRA-SQG **1006804935**
FINDS **CAR000118521**
ECHO
HAZNET

Relative:
Lower
Actual:
150 ft.

RCRA-SQG:
Date Form Received by Agency: 20020516
Handler Name: CHEVRON STATION NO 208398
Handler Address: 8001 WASHINGTON BLVD
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAR000118521
Contact Name: KATHY NORRIS
Contact Address: P O BOX 6004
Contact City,State,Zip: SAN RAMON, CA 94583
Contact Telephone: 925-842-5931
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 6004
Mailing City,State,Zip: SAN RAMON, CA 94583
Owner Name: CHEVRON PRODUCTS CO
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON PRODUCTS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 6004
Owner/Operator City,State,Zip: SAN RAMON, CA 94583
Owner/Operator Telephone: 925-842-5931
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20020516
Handler Name: CHEVRON STATION NO 208398
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110013311503

Click Here:

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.

CHEVRON STATION NO 208398 (Continued)

1006804935

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1006804935
Registry ID: 110013311503
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110013311503>
Name: CHEVRON STATION NO 208398
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678

HAZNET:

Name: CHEVRON STATION NO 208398
Address: 8001 WASHINGTON BLVD
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 945830000
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004

Year: 2019
Gepaid: CAR000118521
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03750

Year: 2019
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.13500

Year: 2019
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08500

Year: 2018
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.07000
Year: 2018
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.23750
Year: 2017
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.13
Year: 2017
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10
percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1175
Year: 2016
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Year: 2016
Gepaid: CAR000118521
TSD EPA ID: CAD044429835
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10
percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.021
Year: 2016
Gepaid: CAR000118521
TSD EPA ID: CAD059494310
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10
percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.065

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

[Click this hyperlink](#) while viewing on your computer to access 25 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2004
Gen EPA ID: CAR000118521

Shipment Date: 20041122
Creation Date: 3/13/2007 18:30:42
Receipt Date: 20041202
Manifest ID: 24202861
Trans EPA ID: CAR000129304
Trans Name: FILTER RECYCLING SVS INC-NO
Trans 2 EPA ID: CAD982444481
Trans 2 Name: FILTER RECYCLING SERVICES INC
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: CAD982444481
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: NONE
Meth Code: R01 - Recycler
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2015
Gen EPA ID: CAR000118521

Shipment Date: 20151102
Creation Date: 1/21/2016 22:15:39
Receipt Date: 20151111
Manifest ID: 009004830FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151102
Creation Date:	1/21/2016 22:15:39
Receipt Date:	20151111
Manifest ID:	009004830FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151102
Creation Date:	1/21/2016 22:15:39
Receipt Date:	20151111
Manifest ID:	009004830FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150701
Creation Date:	9/25/2015 22:15:23

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Receipt Date: 20150714
Manifest ID: 008763506FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125
Waste Quantity: 25
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150309
Creation Date: 8/31/2015 22:15:10
Receipt Date: 20150318
Manifest ID: 008424977FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150121
Creation Date: 4/17/2015 22:15:07
Receipt Date: 20150202
Manifest ID: 008034058FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150121
Creation Date: 4/17/2015 22:15:07
Receipt Date: 20150202
Manifest ID: 008034058FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Additional Code 5: Not reported

Additional Info:

Year: 2012
Gen EPA ID: CAR000118521

Shipment Date: 20121227
Creation Date: 3/19/2013 22:15:10
Receipt Date: 20130114
Manifest ID: 010970141JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0175
Waste Quantity: 35
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121227
Creation Date: 3/19/2013 22:15:10
Receipt Date: 20130114
Manifest ID: 010970141JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.051
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121227

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Creation Date: 3/13/2013 22:15:38
Receipt Date: 20130102
Manifest ID: 010970142JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120920
Creation Date: 8/26/2013 9:59:08
Receipt Date: 20121002
Manifest ID: 010614604JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.187
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120517
Creation Date: 6/19/2015 11:05:42
Receipt Date: 20120610
Manifest ID: 009943886JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.042
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120517
Creation Date: 9/17/2012 22:15:21
Receipt Date: 20120610
Manifest ID: 009943887JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0175
Waste Quantity: 35
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120512
Creation Date: 5/21/2013 22:15:15
Receipt Date: 20120530
Manifest ID: 009943888JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 0.025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120223
Creation Date: 6/19/2015 11:04:12
Receipt Date: 20120310
Manifest ID: 009503686JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125
Waste Quantity: 25
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120223
Creation Date: 6/19/2015 11:04:12
Receipt Date: 20120310
Manifest ID: 009503686JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0084
Waste Quantity: 2
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20120223
Creation Date: 4/11/2012 20:30:23
Receipt Date: 20120229
Manifest ID: 009503685JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2007
Gen EPA ID: CAR000118521

Shipment Date: 20071114
Creation Date: 2/29/2008 18:30:25
Receipt Date: 20071120
Manifest ID: 002084137JJK
Trans EPA ID: CAR000162263
Trans Name: CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.2226
Waste Quantity: 53
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2009
Gen EPA ID: CAR000118521

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20090730
Creation Date: 10/13/2009 18:30:10
Receipt Date: 20090810
Manifest ID: 006061163JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.034
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090320
Creation Date: 6/5/2009 18:30:08
Receipt Date: 20090409
Manifest ID: 005049881JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090320
Creation Date: 6/5/2009 18:30:08
Receipt Date: 20090409
Manifest ID: 005049881JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.017
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2016
Gen EPA ID: CAR000118521

Shipment Date: 20151102
Creation Date: 1/21/2016 22:15:39
Receipt Date: 20151111
Manifest ID: 009004830FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151102
Creation Date: 1/21/2016 22:15:39
Receipt Date: 20151111
Manifest ID: 009004830FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported
Shipment Date: 20151102
Creation Date: 1/21/2016 22:15:39
Receipt Date: 20151111
Manifest ID: 009004830FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported
Shipment Date: 20150701
Creation Date: 9/25/2015 22:15:23
Receipt Date: 20150714
Manifest ID: 008763506FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125
Waste Quantity: 25
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20150615
Creation Date: 9/4/2015 22:15:45
Receipt Date: 20150629
Manifest ID: 008289186FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150309
Creation Date: 8/31/2015 22:15:10
Receipt Date: 20150318
Manifest ID: 008424977FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150121
Creation Date: 4/17/2015 22:15:07
Receipt Date: 20150202
Manifest ID: 008034058FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150121
Creation Date: 4/17/2015 22:15:07
Receipt Date: 20150202
Manifest ID: 008034058FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2013
Gen EPA ID: CAR000118521

Shipment Date: 20131226
Creation Date: 4/7/2014 22:15:09
Receipt Date: 20140114
Manifest ID: 006753069FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported
Shipment Date: 20131018
Creation Date: 1/29/2014 22:15:06
Receipt Date: 20131119
Manifest ID: 006753411FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported
Shipment Date: 20130916
Creation Date: 12/10/2013 22:15:06
Receipt Date: 20131015
Manifest ID: 006654105FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.035

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 70
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130916
Creation Date: 12/10/2013 22:15:06
Receipt Date: 20131015
Manifest ID: 006654108FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130529
Creation Date: 8/15/2013 22:15:24
Receipt Date: 20130610
Manifest ID: 006614540FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20130529
Creation Date: 8/15/2013 22:15:24
Receipt Date: 20130610
Manifest ID: 006614540FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.035
Waste Quantity: 70
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130529
Creation Date: 8/15/2013 22:15:24
Receipt Date: 20130610
Manifest ID: 006614540FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130429
Creation Date: 8/12/2013 22:15:07
Receipt Date: 20130509
Manifest ID: 006654375FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 Name: SAFETY-KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130410
Creation Date: 8/22/2013 22:15:16
Receipt Date: 20130423
Manifest ID: 006655409FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130325
Creation Date: 7/3/2013 22:15:06
Receipt Date: 20130403
Manifest ID: 006655402FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2011
Gen EPA ID: CAR000118521

Shipment Date: 20111222
Creation Date: 4/16/2012 20:30:25
Receipt Date: 20120116
Manifest ID: 008883472JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.017
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20111222
Creation Date: 4/16/2012 20:30:25
Receipt Date: 20120116
Manifest ID: 008883472JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 25
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110915
Creation Date: 2/16/2012 20:30:13
Receipt Date: 20110927
Manifest ID: 008418237JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0034
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110915
Creation Date: 2/16/2012 20:30:13
Receipt Date: 20110927
Manifest ID: 008418237JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0125
Waste Quantity: 25
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20110915
Creation Date: 12/9/2011 18:30:51
Receipt Date: 20110921
Manifest ID: 008418236JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 0.0175
Waste Quantity: 35
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110728
Creation Date: 5/17/2013 22:15:06
Receipt Date: Not reported
Manifest ID: 005385772JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: - Not reported
Quantity Tons: 0.034
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110428
Creation Date: 10/1/2011 18:30:46
Receipt Date: 20110520
Manifest ID: 008107701JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110428
Creation Date:	10/1/2011 18:30:46
Receipt Date:	20110520
Manifest ID:	008107701JJK
Trans EPA ID:	CAR000217513
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110428
Creation Date:	10/1/2011 18:30:46
Receipt Date:	20110520
Manifest ID:	008107626JJK
Trans EPA ID:	CAR000217513
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Quantity Tons: 0.0034
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110428
Creation Date: 10/1/2011 18:30:46
Receipt Date: 20110520
Manifest ID: 008107626JJK
Trans EPA ID: CAR000217513
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAR000118521

Shipment Date: 20101111
Creation Date: 5/5/2011 18:30:32
Receipt Date: 20101124
Manifest ID: 007627414JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.034
Waste Quantity: 10
Quantity Unit: G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100826
Creation Date: 10/26/2010 18:30:22
Receipt Date: 20100902
Manifest ID: 007024446JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100826
Creation Date: 10/26/2010 18:30:22
Receipt Date: 20100902
Manifest ID: 007024446JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 291 - Latex waste
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 0.02919
Waste Quantity: 7
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100621
Creation Date: 12/16/2010 18:30:26
Receipt Date: 20100713

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Manifest ID: 007496752JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.068
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100204
Creation Date: 8/6/2010 18:31:13
Receipt Date: 20100224
Manifest ID: 006656073JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.068
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAR000118521

Shipment Date: 20080614
Creation Date: 9/4/2008 18:30:07
Receipt Date: 20080703
Manifest ID: 004250558JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.102
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080614
Creation Date: 8/8/2008 18:30:44
Receipt Date: 20080623
Manifest ID: 004250567JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080614
Creation Date: 9/4/2008 18:30:07
Receipt Date: 20080703
Manifest ID: 004250558JJK
Trans EPA ID: CAR000172478
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: D018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2014
Gen EPA ID: CAR000118521

Shipment Date: 20141222
Creation Date: 3/23/2015 22:15:06
Receipt Date: 20150109
Manifest ID: 008051544FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141006
Creation Date: 12/29/2014 22:15:00
Receipt Date: 20141010
Manifest ID: 008086049FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0225

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140911
Creation Date: 11/22/2014 22:15:14
Receipt Date: 20140919
Manifest ID: 007824772FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140911
Creation Date: 11/22/2014 22:15:14
Receipt Date: 20140919
Manifest ID: 007824772FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20140911
Creation Date: 11/22/2014 22:15:14
Receipt Date: 20140919
Manifest ID: 007824772FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140630
Creation Date: 10/22/2014 22:15:04
Receipt Date: 20140710
Manifest ID: 007522000FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SK-SAFETY-KLEEN SYSTEMS INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.084
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140324
Creation Date: 6/2/2014 22:15:08
Receipt Date: 20140331
Manifest ID: 007582232FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 Name: SAFETY KLEEN SYSTEMS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0325
Waste Quantity: 65
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140324
Creation Date: 6/2/2014 22:15:08
Receipt Date: 20140331
Manifest ID: 007582232FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0275
Waste Quantity: 55
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140324
Creation Date: 6/2/2014 22:15:08
Receipt Date: 20140331
Manifest ID: 007582232FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0175
Waste Quantity: 35
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAR000118521

Shipment Date: 20171206
Creation Date: 8/10/2018 18:30:24
Receipt Date: 20171214
Manifest ID: 011565777FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171206
Creation Date: 8/10/2018 18:30:24
Receipt Date: 20171214
Manifest ID: 011565777FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0225

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Waste Quantity: 45
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171206
Creation Date: 8/10/2018 18:30:24
Receipt Date: 20171214
Manifest ID: 011565777FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170705
Creation Date: 6/13/2018 18:31:39
Receipt Date: 20170720
Manifest ID: 011002652FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Shipment Date: 20170705
Creation Date: 6/13/2018 18:31:39
Receipt Date: 20170720
Manifest ID: 011002652FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170705
Creation Date: 6/13/2018 18:31:39
Receipt Date: 20170720
Manifest ID: 011002652FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170621
Creation Date: 6/28/2018 18:30:17
Receipt Date: 20170705
Manifest ID: 010999840FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170217
Creation Date: 5/19/2017 18:30:21
Receipt Date: 20170302
Manifest ID: 010512618FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170217
Creation Date: 5/19/2017 18:30:21
Receipt Date: 20170302
Manifest ID: 010512618FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 208398 (Continued)

1006804935

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170217
Creation Date: 5/19/2017 18:30:21
Receipt Date: 20170302
Manifest ID: 010512618FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

**E21
East
1/8-1/4
0.145 mi.
768 ft.**

**CHEVRON STATION# 208398/1321
8001 WASHINGTON BLVD
ROSEVILLE, CA 95678
Site 4 of 4 in cluster E**

**CERS HAZ WASTE S121737787
CERS TANKS N/A
CERS**

**Relative:
Lower
Actual:
150 ft.**

CERS HAZ WASTE:
Name: CHEVRON STATION# 208398/1321
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 104990
CERS ID: 10445713
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CHEVRON STATION# 208398/1321
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 104990
CERS ID: 10445713
CERS Description: Underground Storage Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

CERS:

Name: CHEVRON STATION# 208398/1321
Address: 8001 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 104990
CERS ID: 10445713
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-03-2016
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)

Violation Description: Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.

Violation Notes: Returned to compliance on 08/03/2016. Diesel annular piping vacuum sensor failed to shutdown turbine - replaced float sensor - retested and passed

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-10-2015
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 pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.

Violation Notes: Returned to compliance on 08/10/2015. 91 ELLD failed - replaced siphon jet, replaced ELLD - Retested and PASSED

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 07-26-2018
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 07/26/2018. 91 ELLD failed - replaced siphon jet - purged - passed

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-03-2016
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 08/03/2016. Diesel ELLD failed - replaced siphon jet valve, purged and retested - passed
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-26-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/26/2013.
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-26-2013
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 08/27/2013.
Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 07-09-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 12/11/2019. spill buckets on 91 and Diesel could not hold 5 gallons.
Violation Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Violation Program: UST
Violation Source: CERS,

Site ID: 104990
Site Name: Chevron Station# 208398/1321
Violation Date: 08-03-2016
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 08/03/2016. 91 ELLD failed test - air in line, bled off by opening ball valve on STP filter and purging line - retested - passed

Violation Division: Roseville City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Cold Start Permit
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Secondary piping test for new piping and upgrades
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-09-2019
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-09-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-23-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Primary piping test for new install and upgrades
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2021
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-09-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-14-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Pressure test for new diesel tank
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Complete monitoring cert performed due to new tank install and upgrades
Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Eval Division: Roseville City Fire Department
Eval Program: UST
Eval Source: CERS,

Coordinates:

Site ID: 104990
Facility Name: Chevron Station# 208398/1321
Env Int Type Code: HWG
Program ID: 10445713
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.774060
Longitude: -121.304730

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Chevron Products Company (a Chevron U.S.A. Inc. division)
Entity Title: Not reported
Affiliation Address: P.O. Box 6004 Attn: HES Permit Desk
Affiliation City: San Ramon
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94583
Affiliation Phone: ,

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: ,

Affiliation Type Desc: UST Property Owner Name
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: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Facility Mailing Address

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 6004 Attn: HES Permit Desk
Affiliation City: San Ramon
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94583
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Chevron Products Company (a Chevron U.S.A. Inc. division)
Entity Title: Not reported
Affiliation Address: P.O. Box 6004 Attn: HES 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: Chevron Station# 208398/1321
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: (916) 787-1250,

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,

Affiliation Type Desc: Identification Signer
Entity Name: Gerardo Acuna
Entity Title: Retail HES Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Chevron Products Company (a Chevron U.S.A. Inc. division)
Entity Title: Not reported
Affiliation Address: P.O. Box 6004 Attn: HES Permit Desk
Affiliation City: San Ramon
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION# 208398/1321 (Continued)

S121737787

Affiliation Phone: (925) 842-9002,
Affiliation Type Desc: UST Tank Operator
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: 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: ,
Affiliation Type Desc: UST Permit Applicant
Entity Name: CHARLES BITTLE
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,

G22
NNE
1/8-1/4
0.159 mi.
839 ft.

INTECH MECHANICAL CO., LLC
7501 GALILEE ROAD
ROSEVILLE, CA 95678
Site 1 of 3 in cluster G

RCRA NonGen / NLR **1026808070**
CAC003120369

Relative:
Lower
Actual:
144 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20210519
Handler Name: INTECH MECHANICAL CO., LLC
Handler Address: 7501 GALILEE ROAD
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAC003120369
Contact Name: DARL LONG
Contact Address: 7501 GALILEE ROAD
Contact City,State,Zip: ROSEVILLE, CA 95678
Contact Telephone: 916-472-1329
Contact Fax: Not reported
Contact Email: DLONG@INTECH-MECH.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1026808070

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7501 GALILEE ROAD
Mailing City,State,Zip:	ROSEVILLE, CA 95678
Owner Name:	RICK CHOWDRY
Owner Type:	Other
Operator Name:	DARL LONG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210521

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1026808070

Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: DARL LONG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7501 GALILEE ROAD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 916-472-1329
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RICK CHOWDRY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7501 GALILEE ROAD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 916-797-4900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210519
Handler Name: INTECH MECHANICAL CO., LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 238220
NAICS Description: PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1026808070

Evaluation Action Summary:
Evaluations:

No Evaluations Found

G23
NNE
1/8-1/4
0.159 mi.
839 ft.

INTECH MECHANICAL LLC
7501 GALILEE ROAD
ROSEVILLE, CA 95678

RCRA NonGen / NLR

1024778284
CAC002998228

Site 2 of 3 in cluster G

Relative:
Lower
Actual:
144 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:

20190125

Handler Name:

INTECH MECHANICAL LLC

Handler Address:

7501 GALILEE ROAD

Handler City,State,Zip:

ROSEVILLE, CA 95678

EPA ID:

CAC002998228

Contact Name:

DARL LONG

Contact Address:

7501 GALILEE ROAD

Contact City,State,Zip:

ROSEVILLE, CA 95678

Contact Telephone:

916-472-1329

Contact Fax:

Not reported

Contact Email:

DLONG@INTECH-MECH.COM

Contact Title:

Not reported

EPA Region:

09

Land Type:

Not reported

Federal Waste Generator Description:

Not a generator, verified

Non-Notifier:

Not reported

Biennial Report Cycle:

Not reported

Accessibility:

Not reported

Active Site Indicator:

Handler Activities

State District Owner:

Not reported

State District:

Not reported

Mailing Address:

7501 GALILEE ROAD

Mailing City,State,Zip:

ROSEVILLE, CA 95678

Owner Name:

RICK CHOWDRY

Owner Type:

Other

Operator Name:

DARL LONG

Operator Type:

Other

Short-Term Generator Activity:

No

Importer Activity:

No

Mixed Waste Generator:

No

Transporter Activity:

No

Transfer Facility Activity:

No

Recycler Activity with Storage:

No

Small Quantity On-Site Burner Exemption:

No

Smelting Melting and Refining Furnace Exemption:

No

Underground Injection Control:

No

Off-Site Waste Receipt:

No

Universal Waste Indicator:

Yes

Universal Waste Destination Facility:

Yes

Federal Universal Waste:

No

Active Site Fed-Reg Treatment Storage and Disposal Facility:

Not reported

Active Site Converter Treatment storage and Disposal Facility:

Not reported

Active Site State-Reg Treatment Storage and Disposal Facility:

Not reported

Active Site State-Reg Handler:

Federal Facility Indicator:

Not reported

Hazardous Secondary Material Indicator:

N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL LLC (Continued)

1024778284

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:	
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DARL LONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7501 GALILEE ROAD
Owner/Operator City,State,Zip:	ROSEVILLE, CA 95678
Owner/Operator Telephone:	916-472-1329
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RICK CHOWDRY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7501 GALILEE ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL LLC (Continued)

1024778284

Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 916-797-4900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190125
Handler Name: INTECH MECHANICAL LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 238220
NAICS Description: PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G24
NNE
1/8-1/4
0.159 mi.
839 ft.

INTECH MECHANICAL CO., LLC
7501 GALILEE RD
ROSEVILLE, CA 95678
Site 3 of 3 in cluster G

RCRA NonGen / NLR **1025846089**
CAC003025811

Relative:
Lower
Actual:
144 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20190725
Handler Name: INTECH MECHANICAL CO., LLC
Handler Address: 7501 GALILEE RD
Handler City,State,Zip: ROSEVILLE, CA 95678-6905
EPA ID: CAC003025811
Contact Name: DARL LONG
Contact Address: 7501 GALILEE RD
Contact City,State,Zip: ROSEVILLE, CA 95678-6905
Contact Telephone: 916-472-1329
Contact Fax: Not reported
Contact Email: DLONG@INTECH-MECH.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1025846089

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	7501 GALILEE RD
Mailing City,State,Zip:	ROSEVILLE, CA 95678-6905
Owner Name:	RICHARD CHOWDRY
Owner Type:	Other
Operator Name:	DARL LONG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1025846089

Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: RICHARD CHOWDRY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7501 GALILEE RD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678-6905
Owner/Operator Telephone: 916-797-4900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DARL LONG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7501 GALILEE RD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678-6905
Owner/Operator Telephone: 916-472-1329
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20190725
Handler Name: INTECH MECHANICAL CO., LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 238220
NAICS Description: PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTECH MECHANICAL CO., LLC (Continued)

1025846089

Evaluation Action Summary:
Evaluations:

No Evaluations Found

H25
East
1/8-1/4
0.181 mi.
956 ft.

JUSTINS ROSEVILLE CARWASH
8011 WASHINGTON BLVD
ROSEVILLE, CA 95678

AST A100421334
N/A

Site 1 of 3 in cluster H

Relative:
Lower
Actual:
149 ft.

AST:
Name: JUSTINS ROSEVILLE CARWASH
Address: 8011 WASHINGTON BLVD
City/Zip: ROSEVILLE,95678
Certified Unified Program Agencies: Not reported
Owner: Jacobus Bor
Total Gallons: Not reported
CERSID: 10618375
Facility ID: Not reported
Business Name: Justins roseville carwash
Phone: 9167721101
Fax: 9167721128
Mailing Address: 8011 Washington Blvd
Mailing Address City: Roseville
Mailing Address State: CA
Mailing Address Zip Code: 95678
Operator Name: Justin Bor
Operator Phone: 9167721101
Owner Phone: 7025012022
Owner Mail Address: 6185 South Pecos
Owner State: NV
Owner Zip Code: 89120
Owner Country: United States
Property Owner Name: Jacobus Bor
Property Owner Phone: 7025012022
Property Owner Mailing Address: 6185 South Pecos
Property Owner City: Las vegas
Property Owner Stat : NV
Property Owner Zip Code: 89120
Property Owner Country: United States
EPAID: CAL000346420

H26
East
1/8-1/4
0.181 mi.
956 ft.

SAN PABLO PETRO INC DBA JUSTINS CAR WASH
8011 WASHINGTON BLVD
ROSEVILLE, CA 95678

RCRA NonGen / NLR

1024850591
CAL000408282

Site 2 of 3 in cluster H

Relative:
Lower
Actual:
149 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20150708
Handler Name: SAN PABLO PETRO INC DBA JUSTINS CAR WASH
Handler Address: 8011 WASHINGTON BLVD
Handler City,State,Zip: ROSEVILLE, CA 95678-5998
EPA ID: CAL000408282
Contact Name: JUSTIN BOR
Contact Address: 8011 WASHINGTON BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

1024850591

Contact City,State,Zip:	ROSEVILLE, CA 95678
Contact Telephone:	702-302-6735
Contact Fax:	916-772-1128
Contact Email:	MRMOTEL6@SBCGLOBAL.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8011 WASHINGTON BLVD
Mailing City,State,Zip:	ROSEVILLE, CA 95678-0000
Owner Name:	SAN PABLO PETRO INC
Owner Type:	Other
Operator Name:	JUSTIN BOR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

1024850591

Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20180906
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: SAN PABLO PETRO INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8080 MACARGO CT
Owner/Operator City,State,Zip: GRANITE BAY, CA 95746
Owner/Operator Telephone: 831-710-1230
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JUSTIN BOR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8011 WASHINGTON BLVD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 702-302-6735
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20150708
Handler Name: SAN PABLO PETRO INC DBA JUSTINS CAR WASH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

1024850591

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

**H27
East
1/8-1/4
0.181 mi.
956 ft.**

**SAN PABLO PETRO INC DBA JUSTINS CAR WASH
8011 WASHINGTON BLVD
ROSEVILLE, CA 95678**

**CERS HAZ WASTE
CERS TANKS
HAZNET
CERS
HWTS**

**S121758770
N/A**

Site 3 of 3 in cluster H

**Relative:
Lower
Actual:
149 ft.**

CERS HAZ WASTE:
Name: JUSTINS ROSEVILLE CARWASH
Address: 8011 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 274470
CERS ID: 10618375
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: JUSTINS ROSEVILLE CARWASH
Address: 8011 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 274470
CERS ID: 10618375
CERS Description: Aboveground Petroleum Storage

HAZNET:
Name: SAN PABLO PETRO INC DBA JUSTINS CAR WASH
Address: 8011 WASHINGTON BLVD
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 956780000
Contact: DALIP MANN
Telephone: 8317101230
Mailing Name: Not reported
Mailing Address: 8011 WASHINGTON BLVD

Year: 2019
Gepaid: CAL000408282
TSD EPA ID: AZR000521146
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.10000

Year: 2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Gepaid: CAL000408282
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.15000

Year: 2017
Gepaid: CAL000408282
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.05

Additional Info:

Year: 2017
Gen EPA ID: CAL000408282

Shipment Date: 20171106
Creation Date: 6/13/2018 18:31:07
Receipt Date: 20171116
Manifest ID: 017694369JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSD EPA ID: Not reported
TSD EPA Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: JUSTINS ROSEVILLE CARWASH
Address: 8011 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 274470
CERS ID: 10618375
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 04-05-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 04/06/2017.
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 06-01-2016
Citation: 22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Description: Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.
Violation Notes: Returned to compliance on 04/05/2017. Provide exemption documentation
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 10-23-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: SPCC plan needs to be kept onsite and available.
Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 02-18-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/01/2016.
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 06-01-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Violation Description: 6.67, Section(s) 25270.4.5(a)
Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.

Violation Notes: Returned to compliance on 05/09/2018. Provide log of inspections

Violation Division: Roseville City Fire Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 274470

Site Name: Justins roseville carwash

Violation Date: 11-21-2019

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.

Violation Notes: Returned to compliance on 02/11/2020. In pit - - second white tank next to red tank has 14 1/2 inches of oil in secondary containment

Violation Division: Roseville City Fire Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 274470

Site Name: Justins roseville carwash

Violation Date: 11-21-2019

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to regularly test liquid level sensing devices to ensure proper operation.

Violation Notes: Returned to compliance on 02/11/2020. - red oil tank needs to have level gauge installed.

Violation Division: Roseville City Fire Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 274470

Site Name: Justins roseville carwash

Violation Date: 06-01-2016

Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)

Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

Violation Notes: Returned to compliance on 05/09/2018.

Violation Division: Roseville City Fire Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 274470

Site Name: Justins roseville carwash

Violation Date: 04-05-2017

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Violation Description: 6.67, Section(s) 25270.4.5(a)
Not reported
Violation Notes: Returned to compliance on 05/02/2017. Pump on 500gallon tank is leaking - make repairs to pump
Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 11/21/2019. -paper oil filter drum in center bay needs to have lid secured when not in use. (Corrected onsite)
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 06-01-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes: Returned to compliance on 05/09/2018.
Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/11/2020. - (2) black used gas and oil filter drums by bay 3 need to have label distinguishing that they are recycled metal.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/11/2020. - (2) white five gallon bucket next oil piping between bay 1&2 needs to be labeled emptied daily and also needs to be emptied
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/11/2020. - paper oil filter drum in center bay need to have accumulation start date.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 02-18-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/18/2015.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Violation Notes: Returned to compliance on 02/11/2020. In pit - - first white tank next to red tank has 2 1/2 inches of oil in secondary containment.

Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 11/21/2019. - (2) black used gas and oil filter drums by bay 3 need to have lids secured when not actively in use. (Corrected onsite)

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Returned to compliance on 02/11/2020. - Annual review and self certification of CERS documents and HMBP is over due. Last submitted in 2017.

Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 03-13-2018
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)

Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.

Violation Notes: Returned to compliance on 05/09/2018.

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.

Violation Notes: Returned to compliance on 02/26/2020. SPCC documents need to be onsite and readily available.

Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 02/11/2020. - orange five gallon bucket next oil piping between bay 1&2 needs to be labeled emptied daily and also needs to be emptied daily

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.

Violation Notes: Returned to compliance on 02/11/2020. In pit - - red used oil tank has 15 1/2 inches of oil in secondary containment.

Violation Division: Roseville City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 02/11/2020. - (2) black used gas and oil filter drums by bay 3 and stairs need to have accumulation start date.

Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Site ID: 274470
Site Name: Justins roseville carwash
Violation Date: 11-21-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/11/2020. please have your employee training documents onsite.
Violation Division: Roseville City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: re-inspection from annual on 6/1/16
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-02-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Eval General Type: Other/Unknown
Eval Date: 01-02-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-26-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-02-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection from annual on 6/1/16
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 274470
Facility Name: Justins roseville carwash
Env Int Type Code: HWG
Program ID: 10618375
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.774380
Longitude: -121.303910

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Document Preparer
Entity Name: Dalip Mann
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ASBURY ENVIRONMENTAL SERVICES
Entity Title: Not reported
Affiliation Address: 1300 South Sante Fe
Affiliation City: Compton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90221
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8011 washington Blvd
Affiliation City: roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: San Pablo Petro 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: (916) 772-1101,

Affiliation Type Desc: Property Owner
Entity Name: san pablo petro inc
Entity Title: Not reported
Affiliation Address: 8011 washington Blvd
Affiliation City: roseville
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95678
Affiliation Phone: (916) 772-1101,

Affiliation Type Desc: Legal Owner
Entity Name: San Pablo Petro Inc
Entity Title: Not reported
Affiliation Address: 8011 washington Blvd
Affiliation City: roseville
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95678
Affiliation Phone: (916) 772-1101,

Affiliation Type Desc: Parent Corporation
Entity Name: Justins roseville carwash

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: DALIP MANN
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:

Name: SAN PABLO PETRO INC DBA JUSTINS CAR WASH
Address: 8011 WASHINGTON BLVD
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000408282
Inactive Date: Not reported
Create Date: 07/08/2015
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 8011 WASHINGTON BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEVILLE, CA 956780000
Owner Name: SAN PABLO PETRO INC
Owner Address: 8080 MACARGO CT
Owner Address 2: Not reported
Owner City,State,Zip: GRANITE BAY, CA 95746
Contact Name: DALIP MANN
Contact Address: 8011 WASHINGTON BLVD
Contact Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 38.774835
Longitude: -121.304853

NAICS:

EPA ID: CAL000408282
Create Date: 2015-07-08 12:02:40.317
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2015-07-08 12:02:40.29000
Inactive Date: Not reported
Facility Name: SAN PABLO PETRO INC DBA JUSTINS CAR WASH
Facility Address: 8011 WASHINGTON BLVD
Facility Address 2: Not reported
Facility City: ROSEVILLE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN PABLO PETRO INC DBA JUSTINS CAR WASH (Continued)

S121758770

Facility County: Not reported
Facility State: CA
Facility Zip: 956785998

**I28
ENE
1/8-1/4
0.211 mi.
1114 ft.**

**FIRESTONE COMPLETE AUTO CARE #017663
8051 WASHINGTON BLVD
ROSEVILLE, CA 95678**

**CERS HAZ WASTE S121760109
CERS N/A**

Site 1 of 2 in cluster I

**Relative:
Lower
Actual:
153 ft.**

CERS HAZ WASTE:
Name: FIRESTONE COMPLETE AUTO CARE #017663
Address: 8051 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 30334
CERS ID: 10157873
CERS Description: Hazardous Waste Generator

CERS:
Name: FIRESTONE COMPLETE AUTO CARE #017663
Address: 8051 WASHINGTON BLVD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 30334
CERS ID: 10157873
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 10-15-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 11/13/2019. - (5) portable oil drain containers either need to have a haz waste label or be labeled emptied daily and emptied daily.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 03-03-2015
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violation Notes: Returned to compliance on 04/12/2016.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Site Name: Firestone Complete Auto Care #017663
Violation Date: 02-28-2018
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 06/19/2018. Oil observed in interstitial spec of waste tank - remove oil investigate cause
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 02-28-2018
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description: Failure to inspect weekly, areas where hazardous waste containers are stored or transferred. The owner or operator shall look for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors.
Violation Notes: Returned to compliance on 06/19/2018. provide weekly hazardous waste area inspection log
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 10-15-2019
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 11/13/2019. Both antifreeze waste containers in tire room need to have caps secured when not in use.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 03-10-2016
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 04/12/2016.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Site Name: Firestone Complete Auto Care #017663
Violation Date: 10-15-2019
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 11/13/2019. - (6) of the waste drums in the haz waste collection area do not have the lids properly secured. Lids and caps need to remain secured when not in use.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 09-23-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/23/2020. - mobile oil container needs to be labeled empty daily or have hazwaste label affixed at bay 1, 7, and 10 Hazwaste area
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 09-23-2020
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 10/23/2020. - please provide your inspection logs of the waste area
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 03-18-2014
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure of the new hazardous waste tank assessment to include all of the following information: 1) Tank configuration (i.e., horizontal, vertical), material of construction, and gross capacity (in gallons); 2) Design standard(s), if available, according to which the tank and ancillary equipment were or will be constructed and all of the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

following information: A) Material of construction; B) material thickness and the method used to determine the thickness; C) description of tank system piping (material, diameter); D) description of any internal and external pumps; and E) sketch or drawing of tank including dimensions. 3) Documented age of the tank system (if tank was previously used), if available, (otherwise, an estimate of the age); 4) Description and evaluation of any leak detection equipment; 5) Description and evaluation of any corrosion protection equipment, devices, or material; 6) Description and evaluation of any spill prevention or overfill equipment; 7) Description and evaluation of secondary containment for the tank system (secondary containment must meet minimum standards as specified in subsections (j)(1) through (j)(3) of this section) including applicable secondary containment for ancillary equipment as required in subsection 66265.193(f); 8) Hazardous characteristics of the waste(s) that have been or will be handled; 9) Prior to placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, professional engineer, registered in California, either of whom is trained and experienced in the proper installation of tank systems, shall inspect the system or component for the presence of any of the following items and document in writing the results of the inspection: A) Weld cracks or breaks; B) scrapes of protective coatings; C) corrosion; D) any structural damage or inadequate construction or installation such as cracks, punctures, damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank system.

Violation Notes: Returned to compliance on 04/18/2014. Obtain tank assessment.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 09-23-2020
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 10/23/2020. - lid not secure on 30 gallons drum with (3) 1 gallon empty 15W- 40 containers on top
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 09-23-2020
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Violation Notes: date.
Returned to compliance on 10/23/2020. Hazwaste area - no label on 30 gallon drum

Violation Division: Roseville City Fire Department

Violation Program: HW

Violation Source: CERS,

Site ID: 30334

Site Name: Firestone Complete Auto Care #017663

Violation Date: 03-18-2014

Citation: 22 CCR 12 66262.34(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(a)

Violation Description: Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.

Violation Notes: Returned to compliance on 04/18/2014. Hazardous waste (spent absorbent) on site too long.

Violation Division: Roseville City Fire Department

Violation Program: HW

Violation Source: CERS,

Site ID: 30334

Site Name: Firestone Complete Auto Care #017663

Violation Date: 09-23-2020

Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 10/23/2020. Hazwaste area - open bung cap on blue 55 gallon was antifreeze

Violation Division: Roseville City Fire Department

Violation Program: HW

Violation Source: CERS,

Site ID: 30334

Site Name: Firestone Complete Auto Care #017663

Violation Date: 02-28-2018

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 04/11/2018. Update 24 Federal hazard classes

Violation Division: Roseville City Fire Department

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 30334

Site Name: Firestone Complete Auto Care #017663

Violation Date: 04-04-2017

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Violation Notes: Returned to compliance on 04/11/2017. Update CERS (business stores below state threshold quantities).
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 03-10-2016
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174

Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 04/12/2016.
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 30334
Site Name: Firestone Complete Auto Care #017663
Violation Date: 02-28-2018
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 06/19/2018. remove oil from secondary containment pallets
Violation Division: Roseville City Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-08-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

MAP FINDINGS

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-04-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-19-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-08-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2016
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Roseville City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 30334
Facility Name: Firestone Complete Auto Care #017663
Env Int Type Code: HWG
Program ID: 10157873
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.775750
Longitude: -121.304040

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 200 4th Ave South Attn: Environmental-BSRO
Affiliation City: Nashville
Affiliation State: TN
Affiliation Country: Not reported
Affiliation Zip: 37201
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Bridgestone Retail Operations, LLC
Entity Title: Not reported
Affiliation Address: 200 4th Ave South Attn: Environmental-BSRO
Affiliation City: Nashville
Affiliation State: TN
Affiliation Country: United States
Affiliation Zip: 37201
Affiliation Phone: (209) 482-5486,

Affiliation Type Desc: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Document Preparer
Entity Name: Sheila Caballero
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Sheila Caballero

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE #017663 (Continued)

S121760109

Entity Title: Environmental Compliance Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Bridgestone Retail Operations, LLC
Entity Title: Not reported
Affiliation Address: 200 4th Avenue South Attn: Environmental-BSRO
Affiliation City: Nashville
Affiliation State: TN
Affiliation Country: United States
Affiliation Zip: 37201
Affiliation Phone: (615) 937-9520,

Affiliation Type Desc: Environmental Contact
Entity Name: Sheila Caballero-BSRO
Entity Title: Not reported
Affiliation Address: 200 4th Avenue South Attn: Environmental-BSRO
Affiliation City: Nashville
Affiliation State: TN
Affiliation Country: Not reported
Affiliation Zip: 37201
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: FIRESTONE COMPLETE AUTO CARE
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: (916) 783-0431,

Affiliation Type Desc: Parent Corporation
Entity Name: Bridgestone Retail Operations, LLC. (BSRO)
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: ,

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

I29
 ENE
 1/8-1/4
 0.211 mi.
 1114 ft.

FIRESTONE COMPLETE AUTO CARE # 3542
8051 WASHINGTON BLVD
ROSEVILLE, CA 95678

RCRA NonGen / NLR 1024822098
CAL000339489

Site 2 of 2 in cluster I

Relative:
Lower
Actual:
153 ft.

RCRA NonGen / NLR: 20090106
 Date Form Received by Agency: 20090106
 Handler Name: FIRESTONE COMPLETE AUTO CARE # 3542
 Handler Address: 8051 WASHINGTON BLVD
 Handler City,State,Zip: ROSEVILLE, CA 95678
 EPA ID: CAL000339489
 Contact Name: BRIDGESTONE RETAIL OPERATIONS, LLC
 Contact Address: 333 EAST LAKE STREET
 Contact City,State,Zip: BLOOMINGDALE, IL 60108
 Contact Telephone: 615-937-7515
 Contact Fax: 615-493-3310
 Contact Email: ENVGEN@BFRC.COM
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 333 EAST LAKE STREET
 Mailing City,State,Zip: BLOOMINGDALE, IL 60108-0000
 Owner Name: BRIDGESTONE RETAIL OPERATIONS, LLC
 Owner Type: Other
 Operator Name: BRIDGESTONE RETAIL OPERATIONS, LLC
 Operator Type: Other
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: Yes
 Universal Waste Destination Facility: Yes
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: N
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported
 2018 GPRP Permit Baseline: Not on the Baseline
 2018 GPRP Renewals Baseline: Not on the Baseline
 Permit Renewals Workload Universe: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE # 3542 (Continued)

1024822098

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:	
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRIDGESTONE RETAIL OPERATIONS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	333 EAST LAKE STREET
Owner/Operator City,State,Zip:	BLOOMINGDALE, IL 60108-0000
Owner/Operator Telephone:	615-937-7515
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRIDGESTONE RETAIL OPERATIONS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	333 EAST LAKE STREET
Owner/Operator City,State,Zip:	BLOOMINGDALE, IL 60108
Owner/Operator Telephone:	615-937-7515
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRESTONE COMPLETE AUTO CARE # 3542 (Continued)

1024822098

Historic Generators:

Receive Date: 20090106
Handler Name: FIRESTONE COMPLETE AUTO CARE # 3542
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

J30
NNE
1/8-1/4
0.214 mi.
1130 ft.

PETERSEN PRECISION ENGINEERING
7611 GALILEE RD
ROSEVILLE, CA 95678

RCRA NonGen / NLR

1027092208
CAL000465731

Site 1 of 2 in cluster J

Relative:
Lower
Actual:
149 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20211110
Handler Name: PETERSEN PRECISION ENGINEERING
Handler Address: 7611 GALILEE RD
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000465731
Contact Name: KEITH RYPKA
Contact Address: GALILEE RD
Contact City,State,Zip: ROSEVILLE, CA 95678
Contact Telephone: 415-420-7713
Contact Fax: Not reported
Contact Email: KRYPKA@PETERSENPRECISION.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: BROADWAY ST
Mailing City,State,Zip: REDWOOD CITY, CA 94062
Owner Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSEN PRECISION ENGINEERING (Continued)

1027092208

Owner Type:	Not reported
Operator Name:	PETERSEN PRECISION ENGINEERING LLC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211116
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSEN PRECISION ENGINEERING (Continued)

1027092208

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: PETERSEN PRECISION ENGINEERING LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 611 BROADWAY ST
Owner/Operator City,State,Zip: REDWOOD CITY, CA 94062
Owner/Operator Telephone: 650-365-4373
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 650-299-9522
Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Name: PETERSEN PRECISION ENGINEERING LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 611 BROADWAY ST
Owner/Operator City,State,Zip: REDWOOD CITY, CA 94062
Owner/Operator Telephone: 650-556-5800
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Name: KATHY RYPKA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 7611 GALILEE RD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95678
Owner/Operator Telephone: 415-420-7713
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210924
Handler Name: PETERSEN PRECISION ENGINEERING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20211110
Handler Name: PETERSEN PRECISION ENGINEERING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSEN PRECISION ENGINEERING (Continued)

1027092208

Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 337215
NAICS Description: SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

J31
NNE
1/8-1/4
0.214 mi.
1130 ft.

PETERSEN PRECISION ROSEVILLE
7611 GALILEE RD
ROSEVILLE, CA 95678
Site 2 of 2 in cluster J

CERS HAZ WASTE S128200657
CERS N/A

Relative:
Lower
Actual:
149 ft.

CERS HAZ WASTE:
Name: PETERSEN PRECISION ROSEVILLE
Address: 7611 GALILEE RD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 598169
CERS ID: 10886485
CERS Description: Hazardous Waste Generator

CERS:
Name: PETERSEN PRECISION ROSEVILLE
Address: 7611 GALILEE RD
City,State,Zip: ROSEVILLE, CA 95678
Site ID: 598169
CERS ID: 10886485
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Roseville City Fire Dept
Entity Title: Not reported
Affiliation Address: 316 Vernon Street Suite #480
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95678
Affiliation Phone: (916) 774-5800,

Affiliation Type Desc: Parent Corporation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETERSEN PRECISION ROSEVILLE (Continued)

S128200657

Entity Name: PETERSEN PRECISION
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: ,

32
NNW
1/4-1/2
0.303 mi.
1600 ft.

Relative:
Lower

Actual:
126 ft.

TSI SEMICONDUCTORS AMERICA LLC
7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747

RCRA-SQG 1000111897
ENVIROSTOR CAD980881510
SWEEPS UST
CA FID UST
EMI
ENF
NPDES
WDS
CIWQS
CERS

RCRA-SQG:
Date Form Received by Agency: 20190621
Handler Name: TSI SEMICONDUCTORS AMERICA LLC
Handler Address: 7501 FOOTHILLS BLVD
Handler City,State,Zip: ROSEVILLE, CA 95747
EPA ID: CAD980881510
Contact Name: TODD M JOHNSON
Contact Address: FOOTHILLS BLVD
Contact City,State,Zip: ROSEVILLE, CA 95747
Contact Telephone: 916-735-6969
Contact Fax: 916-786-7938
Contact Email: TODD.JOHNSON@TSISEMI.COM
Contact Title: S & E ENGINEER
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: FOOTHILLS BLVD
Mailing City,State,Zip: ROSEVILLE, CA 95747
Owner Name: SOUTHALL HOLDINGS, LLC
Owner Type: Private
Operator Name: TSI SEMICONDUCTORS AMERICA, LLC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

[Click Here for Biennial Reporting System Data:](#)

Year: 2011

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

[Click Here for Biennial Reporting System Data:](#)

Year: 2007

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Year: 2003

[Click Here for Biennial Reporting System Data:](#)

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHALL HOLDINGS,LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD.
Owner/Operator City,State,Zip: ROSEVILLE, CA 95747
Owner/Operator Telephone: 906-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RENESAS ELECTRONICS AMERICA INC
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEC ELECTRONICS, INC.
Legal Status:	Private
Date Became Current:	19840201
Date Ended Current:	Not reported
Owner/Operator Address:	2880 SCOTT BOULEVARD
Owner/Operator City,State,Zip:	SANTA CLARA, CA 95050
Owner/Operator Telephone:	408-588-6160
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHALL HOLDINGS, LLC
Legal Status:	Private
Date Became Current:	20110502
Date Ended Current:	Not reported
Owner/Operator Address:	7501 FOOTHILLS BLVD
Owner/Operator City,State,Zip:	ROSEVILLE, CA 95747
Owner/Operator Telephone:	916-786-3900
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	RENESAS ELECTRONICS AMERICA INC
Legal Status:	Private
Date Became Current:	20100401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEC ELECTRONICS AMERICA, INC.
Legal Status:	Private
Date Became Current:	19840201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEC ELECTRONICS AMERICA, INC.
Legal Status:	Private
Date Became Current:	19840201
Date Ended Current:	Not reported
Owner/Operator Address:	2880 SCOTT BOULEVARD
Owner/Operator City,State,Zip:	SANTA CLARA, CA 95050

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TSI SEMICONDUCTORS AMERICA LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TSI SEMICONDUCTORS AMERICA, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RENESAS ELECTRONICS AMERICA INC
Legal Status: Private
Date Became Current: 20100401
Date Ended Current: Not reported
Owner/Operator Address: 2880 SCOTT BLVD
Owner/Operator City,State,Zip: SANTA CLARA, CA 95050
Owner/Operator Telephone: 408-588-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEC ELECTRONICS AMERICA, INC.
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TELEFUNKEN SEMICONDUCTORS AMERICA
Legal Status: Private
Date Became Current: 20110502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/Operator City,State,Zip:
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TELEFUNKEN SEMICONDUCTORS AMERICA
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/Operator City,State,Zip:
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHALL GROUP HOLDING LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/Operator City,State,Zip:
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TELEFUNKEN SEMICONDUCTORS AMERICA LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHALL HOLDINGS, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/Operator City,State,Zip:
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Owner/Operator Name: NEC ELECTRONICS AMERICA, INC.
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: 2880 SCOTT BOULEVARD
Owner/Operator City,State,Zip: SANTA CLARA, CA 95050
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEC ELECTRONIC'S AMERICA, INC.
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RENESAS ELECTRONICS AMERICA
Legal Status: Private
Date Became Current: 20100101
Date Ended Current: Not reported
Owner/Operator Address: 2880 SCOTT BLVD
Owner/Operator City,State,Zip: SANTA CLARA, CA 95050
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TSI SEMICONDUCTORS AMERICA, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95747
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEC ELECTRONICS AMERICA, INC.
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: 2880 SCOTT BOULEVARD
Owner/Operator City,State,Zip: SANTA CLARA, CA 95050
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEC ELECTRONICS AMERICA, INC.
Legal Status: Private
Date Became Current: 19840201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TSI SEMICONDUCTORS AMERICA, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHALL HOLDINGS, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: FOOTHILLS BOULEVARD
ROSEVILLE, CA 95747
Owner/Operator Telephone: 916-789-4888
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TSI SEMICONDUCTORS AMERICA, LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHALL GROUP HOLDINGS LLC
Legal Status: Private
Date Became Current: 20110502
Date Ended Current: Not reported
Owner/Operator Address: 7501 FOOTHILLS BLVD
Owner/Operator City,State,Zip: ROSEVILLE, CA 95747
Owner/Operator Telephone: 916-786-3900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100527
Handler Name: NEC ELECTRONICS AMERICA, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121016
Handler Name: TELEFUNKEN SEMICONDUCTORS AMERICA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: TSI SEMICONDUCTORS AMERICA, LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Receive Date: 20160112
Handler Name: TSI SEMICONDUCTORS AMERICA, LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180406
Handler Name: TSI SEMICONDUCTORS AMERICA LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: NEC ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19840208
Handler Name: NEC ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980317
Handler Name: NEC ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100223
Handler Name: RENESAS ELECTRONICS AMERICA INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100331
Handler Name: RENESAS ELECTRONICS AMERICA INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110509
Handler Name: TELEFUNKEN SEMICONDUCTORS AMERICA LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140129
Handler Name: TSI SEMICONDUCTORS AMERICA LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190621
Handler Name: TSI SEMICONDUCTORS AMERICA LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900405
Handler Name: N E C ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: N E C ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: NEC ELECTRONICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960401
Handler Name: NEC ELECTRONICS, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: NEC ELECTRONICS INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: NEC ELECTRONICS INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020226
Handler Name: NEC ELECTRONICS INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: NEC ELECTRONICS AMERICA, INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060214
Handler Name: NEC ELECTRONICS AMERICA, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080222
Handler Name: NEC ELECTRONICS AMERICA, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 334413
NAICS Description: SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING

NAICS Code: 336322
NAICS Description: OTHER MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20030624
Actual Return to Compliance Date: 20030715
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20040413
Actual Return to Compliance Date: 20040513
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 501
Date of Enforcement Action: 20040413
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910516
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19910315
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20110510
Actual Return to Compliance Date: 20120402
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20120124
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: CSEIT
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20140423
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20191120
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20100505
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180425
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20070502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080529
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20030624
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030715
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20040413
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20040513
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20150429
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910130
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910516
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110510
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CSEIT
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20120402
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20120424
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20150415
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Former Citation: Not reported
Evaluation Date: 20201105
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

ENVIROSTOR:

Name: NEC ELECTRONICS, INC.
Address: 7501 FOOTHILLS BOULEVARD
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: 71002698
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Sacramento
Assembly: 06
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.77775
Longitude: -121.3111
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD980881510
Alias Type: EPA Identification Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Alias Name: 110000485813
Alias Type: EPA (FRS #)
Alias Name: 71002698
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:

Name: NEC MEGA LINE
Address: 7501 FOOTHILLS BLVD
City: ROSEVILLE
Status: Active
Comp Number: 1638
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-22-91
Action Date: 05-22-91
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 31-015-001638-000001
Tank Status: A
Capacity: 10000
Active Date: 05-22-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:

Facility ID: 31000003
Regulated By: UTNKA
Regulated ID: CAD980881
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 9167863900
Mail To: Not reported
Mailing Address: 7501 FOOTHILLS BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: ROSEVILLE 95678
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1987
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 30
Reactive Organic Gases Tons/Yr: 12
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1990
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 10
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1995
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 19
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 12
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1996
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 19
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 12
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1997
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 19
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 12
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1998
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 19
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 12
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 1999
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2000
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2001
County Code: 31

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2002
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2003
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

City,State,Zip: ROSEVILLE, CA 95678
Year: 2004
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.0471768
Reactive Organic Gases Tons/Yr: 0.2711085
Carbon Monoxide Emissions Tons/Yr: 0.2833219
NOX - Oxides of Nitrogen Tons/Yr: 2.7250586
SOX - Oxides of Sulphur Tons/Yr: 0.0932942
Particulate Matter Tons/Yr: 0.3701394
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.3699724

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2005
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .456
Reactive Organic Gases Tons/Yr: .2451424
Carbon Monoxide Emissions Tons/Yr: .2863435
NOX - Oxides of Nitrogen Tons/Yr: 2.3946645
SOX - Oxides of Sulphur Tons/Yr: .0888552
Particulate Matter Tons/Yr: .325
Part. Matter 10 Micrometers and Smlr Tons/Yr:.3231811

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2006
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .4834570125082100142
Reactive Organic Gases Tons/Yr: .2569253
Carbon Monoxide Emissions Tons/Yr: .3015048
NOX - Oxides of Nitrogen Tons/Yr: 2.5181501
SOX - Oxides of Sulphur Tons/Yr: .0934985
Particulate Matter Tons/Yr: .3411810442622950819
Part. Matter 10 Micrometers and Smlr Tons/Yr:.3394362

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95301
Year: 2007
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .5199963205446231089
Reactive Organic Gases Tons/Yr: .2789637
Carbon Monoxide Emissions Tons/Yr: .332642
NOX - Oxides of Nitrogen Tons/Yr: 2.6931161
SOX - Oxides of Sulphur Tons/Yr: .1023524
Particulate Matter Tons/Yr: .3652748975409836065
Part. Matter 10 Micrometers and Smlr Tons/Yr: .3633321

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2008
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
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 Smlr Tons/Yr: 0

Name: NEC ELECTRONICS INC (COPY)
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2008
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .6446823897111755669
Reactive Organic Gases Tons/Yr: .3377518
Carbon Monoxide Emissions Tons/Yr: .3812496
NOX - Oxides of Nitrogen Tons/Yr: 3.1039728
SOX - Oxides of Sulphur Tons/Yr: .1189874

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Particulate Matter Tons/Yr: .4598627049180327868
Part. Matter 10 Micrometers and Smlr Tons/Yr: .4577012

Name: NEC ELECTRONICS INC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2009
County Code: 31
Air Basin: SV
Facility ID: 35
Air District Name: PLA
SIC Code: 7532
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.156
Reactive Organic Gases Tons/Yr: 0.15447849999999999
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2013
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.50264085568
Reactive Organic Gases Tons/Yr: 0.2635022
Carbon Monoxide Emissions Tons/Yr: 0.2947496
NOX - Oxides of Nitrogen Tons/Yr: 2.5629728
SOX - Oxides of Sulphur Tons/Yr: 0.1046874
Particulate Matter Tons/Yr: 0.37552172131
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.3739012

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2014
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.46054261249
Reactive Organic Gases Tons/Yr: 0.2451504

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Carbon Monoxide Emissions Tons/Yr: 0.268
NOX - Oxides of Nitrogen Tons/Yr: 2.43
SOX - Oxides of Sulphur Tons/Yr: 0.091
Particulate Matter Tons/Yr: 0.36045081967
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.359

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2015
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: N
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.60450460869
Reactive Organic Gases Tons/Yr: 0.4288
Carbon Monoxide Emissions Tons/Yr: 0.254647
NOX - Oxides of Nitrogen Tons/Yr: 1.9868
SOX - Oxides of Sulphur Tons/Yr: 0.081167
Particulate Matter Tons/Yr: 0.29672581967
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.295275

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2016
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.74552260491
Reactive Organic Gases Tons/Yr: 0.5665
Carbon Monoxide Emissions Tons/Yr: 0.2716
NOX - Oxides of Nitrogen Tons/Yr: 2.0414
SOX - Oxides of Sulphur Tons/Yr: 0.088967
Particulate Matter Tons/Yr: 0.29745081967
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.296

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95678
Year: 2018
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.71440783378
Reactive Organic Gases Tons/Yr: 0.495
Carbon Monoxide Emissions Tons/Yr: 0.221
NOX - Oxides of Nitrogen Tons/Yr: 2.3076
SOX - Oxides of Sulphur Tons/Yr: 0.057
Particulate Matter Tons/Yr: 0.33205432596
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.33188

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Year: 2019
County Code: 31
Air Basin: SV
Facility ID: 248
Air District Name: PLA
SIC Code: 3674
Air District Name: PLACER COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.37227972797
Reactive Organic Gases Tons/Yr: 0.203
Carbon Monoxide Emissions Tons/Yr: 0.1
NOX - Oxides of Nitrogen Tons/Yr: 1.56
SOX - Oxides of Sulphur Tons/Yr: 0.02
Particulate Matter Tons/Yr: 0.225
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.225

ENF:

Name: ROSEVILLE MANUFACTURING FAC
Address: 7501 FOOTHILLS
City,State,Zip: ROSEVILLE, CA 95747
Region: Not reported
Facility Id: 253342
Agency Name: Not reported
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.773807
Place Longitude: -121.312855
SIC Code 1: 3674
SIC Desc 1: Semiconductors and Related Devices
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: Enf Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

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:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
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:	Not reported
Status Date:	Not reported
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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224040
Region:	Not reported
Order / Resolution Number:	R5-1994-0503
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/01/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/12/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL Complaint R5-1994-0503 for NEC Electronics Inc
Description:	ACL FOR DISCHARGE OF NONPERMITTED SUBSTANCE(CAUSTIC SODA) DISCHARGE CAUSED AQUATIC HABITAT LOSS.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	25000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

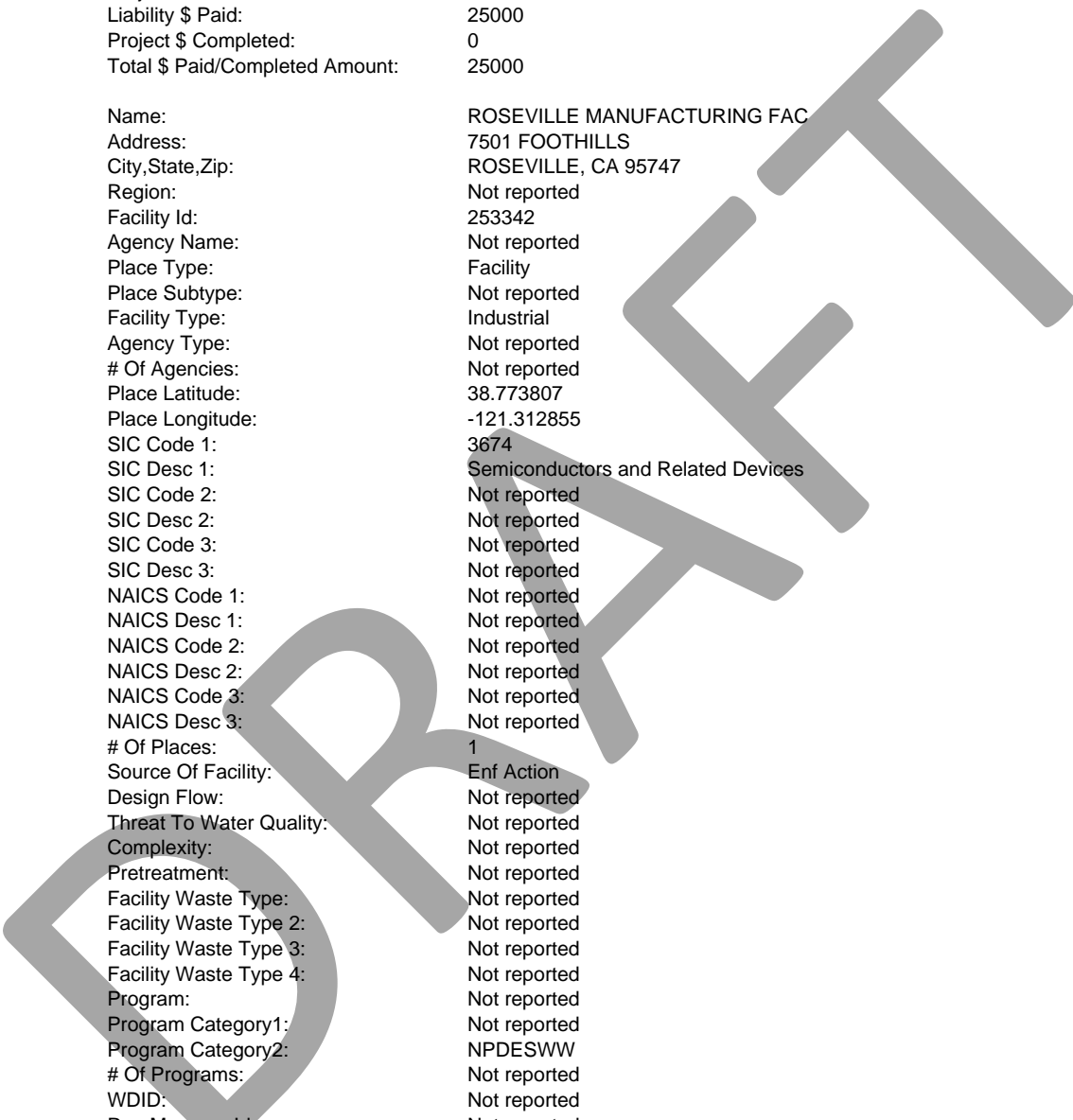
EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Initial Assessed Amount: 0
Liability \$ Amount: 25000
Project \$ Amount: 0
Liability \$ Paid: 25000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 25000

Name: ROSEVILLE MANUFACTURING FAC
Address: 7501 FOOTHILLS
City,State,Zip: ROSEVILLE, CA 95747
Region: Not reported
Facility Id: 253342
Agency Name: Not reported
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.773807
Place Longitude: -121.312855
SIC Code 1: 3674
SIC Desc 1: Semiconductors and Related Devices
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: Enf Action
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: Not reported
Program Category1: Not reported
Program Category2: NPDESWW
Of Programs: Not reported
WDID: Not reported
Reg Measure Id: Not reported
Reg Measure Type: Not reported
Region: Not reported
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



Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Application Fee Amt Received: Not reported
Status: Not reported
Status Date: Not reported
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: Not reported
Individual/General: Not reported
Fee Code: Not reported
Direction/Voice: Not reported
Enforcement Id(EID): 223686
Region: Not reported
Order / Resolution Number: R5-1991-0511
Enforcement Action Type: Admin Civil Liability
Effective Date: 12/05/1991
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 12/12/1991
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: ACLC R5-1991-0511 for NEC Electronics Inc, Roseville MFG Fac
Description: DISCH OF PROCESS WW TO STORM DRAIN. VIOLATED NPDES ORDER
NO. 87-021.
Program: NPDESWW
Latest Milestone Completion Date: 12/12/1991
Of Programs1: 1
Total Assessment Amount: 25000
Initial Assessed Amount: 25000
Liability \$ Amount: 25000
Project \$ Amount: 0
Liability \$ Paid: 25000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 25000

NPDES:

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
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: 5S31C385135
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

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: 05/16/2019
Operator Name: TSI Semiconductors America LLC
Operator Address: 7501 Foothills Blvd
Operator City: Roseville
Operator State: California
Operator Zip: 95747

Name: TSI SEMICONDUCTORS AMERICA LLC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
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: 5S311023169
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 05/27/2011
Operator Name: TSI Semiconductors America LLC
Operator Address: 7501 Foothills Blvd
Operator City: Roseville
Operator State: California
Operator Zip: 95747

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 5S
Regulatory Measure ID: 415583
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 5S311023169
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/27/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: TSI Semiconductors America LLC
Discharge Address: 7501 Foothills Blvd
Discharge City: Roseville
Discharge State: California
Discharge Zip: 95747
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 Commercial 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

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: 5S
Regulatory Measure ID: 415583
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 5S31023169
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/27/2011
Processed Date: 05/27/2011
Status: Active
Status Date: 05/27/2011
Place Size: 102
Place Size Unit: Acres
Contact: Andy Reimanis
Contact Title: Not reported
Contact Phone: 916-786-3900
Contact Phone Ext: 4818
Contact Email: andy.reimanis@tsisemi.com
Operator Name: TSI Semiconductors America LLC
Operator Address: 7501 Foothills Blvd
Operator City: Roseville
Operator State: California
Operator Zip: 95747
Operator Contact: Andy Reimanis
Operator Contact Title: Director
Operator Contact Phone: 916-786-3900
Operator Contact Phone Ext: 4818
Operator Contact Email: andy.reimanis@tsisemi.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

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 Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Pleasant Grove Creek
Certifier: andrew reimanis
Certifier Title: Safety & Environmental Engineer
Certification Date: 15-JUN-17
Primary Sic: 3674-Semiconductors and Related Devices
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: TSI SEMICONDUCTORS AMERICA LLC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Facility Status: Active
NPDES Number: CAS000001
Region: 5S
Agency Number: 0
Regulatory Measure ID: 415583
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 5S311023169
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/27/2011
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 7501 Foothills Blvd
Discharge Name: TSI Semiconductors America LLC
Discharge City: Roseville
Discharge State: California
Discharge Zip: 95747
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	415583
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S31I023169
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/27/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	TSI Semiconductors America LLC
Discharge Address:	7501 Foothills Blvd
Discharge City:	Roseville
Discharge State:	California
Discharge Zip:	95747
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 Commercial Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

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:	5S
Regulatory Measure ID:	415583
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S311023169
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/27/2011
Processed Date:	05/27/2011
Status:	Active
Status Date:	05/27/2011
Place Size:	102
Place Size Unit:	Acres
Contact:	Andy Reimanis
Contact Title:	Not reported
Contact Phone:	916-786-3900
Contact Phone Ext:	4818
Contact Email:	andy.reimanis@tsisemi.com
Operator Name:	TSI Semiconductors America LLC
Operator Address:	7501 Foothills Blvd
Operator City:	Roseville
Operator State:	California
Operator Zip:	95747
Operator Contact:	Andy Reimanis
Operator Contact Title:	Director

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Operator Contact Phone: 916-786-3900
Operator Contact Phone Ext: 4818
Operator Contact Email: andy.reimanis@tsisemi.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 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 Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Pleasant Grove Creek
Certifier: andrew reimanis
Certifier Title: Safety & Environmental Engineer
Certification Date: 15-JUN-17
Primary Sic: 3674-Semiconductors and Related Devices
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
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: 5S31W003672
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Expired
Status Date: 10/26/2018
Operator Name: TSI Semiconductors America LLC
Operator Address: 7501 Foothills Blvd
Operator City: Roseville
Operator State: California
Operator Zip: 95747

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Facility Status: Terminated
NPDES Number: CAS000002
Region: 5S
Agency Number: 0
Regulatory Measure ID: 502498
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 5S31C385135
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/05/2018
Termination Date Of Regulatory Measure: 04/10/2019
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 7501 Foothills Blvd
Discharge Name: TSI Semiconductors America LLC
Discharge City: Roseville
Discharge State: California
Discharge Zip: 95747
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

WDS:
Name: NEC ELECTRONICS INC
Address: 7501 Foothills Blvd
City: ROSEVILLE
Facility ID: 5S 31I001326
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

are assigned by the Regional Board

Subregion: 0
Facility Telephone: 9167863900
Facility Contact: MARCELLA MC TAGGART
Agency Name: NEC ELECTRONICS INC
Agency Address: 2880 Scott Blvd
Agency City,St,Zip: Santa Clara 950502520
Agency Contact: Not reported
Agency Telephone: 4159606000
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name: ROSEVILLE MANUFACTURING FAC
Address: 7501 FOOTHILLS
City,State,Zip: ROSEVILLE, CA 95747
Agency: NEC Electronics Inc
Agency Address: 7501 Foothills Boulevard, Roseville, CA 95747
Place/Project Type: Other
SIC/NAICS: 3674
Region: 5S
Program: NPDESWW
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: 99-018
WDID: 5A312041001
NPDES Number: CA0081922
Adoption Date: 04/30/1999
Effective Date: 04/30/1999
Termination Date: 12/05/2002
Expiration/Review Date: 04/01/2004
Design Flow: 0.18
Major/Minor: Minor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

100011897

Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.773807
Longitude: -121.312855

Name: TSI SEMICONDUCTORS AMERICA LLC
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Agency: TSI Semiconductors America LLC
Agency Address: 7501 Foothills Blvd, Roseville, CA 95747
Place/Project Type: Industrial - Semiconductors and Related Devices
SIC/NAICS: 3674
Region: 5S
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 5S311023169
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 05/27/2011
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.77887
Longitude: -121.31018

Name: TSI SEMICONDUCTORS
Address: 7501 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Agency: TSI Semiconductors America LLC
Agency Address: 7501 Foothills Blvd, Roseville, CA 95747
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 5S
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 5S31C385135
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 11/05/2018
Termination Date: 04/10/2019
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TSI SEMICONDUCTORS AMERICA LLC (Continued)

1000111897

Violations within 5 years: 0
Latitude: 38.77775
Longitude: -121.31113

CERS:

Name: ROSEVILLE MANUFACTURING FAC
Address: 7501 FOOTHILLS
City,State,Zip: ROSEVILLE, CA 95747
Site ID: 352836
CERS ID: 253342
CERS Description: NPDES Wastewater and Stormwater

Enforcement Action:

Site ID: 352836
Site Name: Roseville Manufacturing Fac
Site Address: 7501 FOOTHILLS
Site City: ROSEVILLE
Site Zip: 95747
Enf Action Date: 03-01-1994
Enf Action Type: Administrative Enforcement with Penalty
Enf Action Description: Administrative Enforcement with Civil Liability (Penalty)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Site ID: 352836
Site Name: Roseville Manufacturing Fac
Site Address: 7501 FOOTHILLS
Site City: ROSEVILLE
Site Zip: 95747
Enf Action Date: 12-05-1991
Enf Action Type: Administrative Enforcement with Penalty
Enf Action Description: Administrative Enforcement with Civil Liability (Penalty)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

**K33
NNE
1/4-1/2
0.334 mi.
1765 ft.**

**AMERICAN OLEAN TILE COMPANY
8250 INDUSTRIAL AVE
ROSEVILLE, CA 95678
Site 1 of 2 in cluster K**

**SEMS-ARCHIVE 1000880933
RCRA-SQG CAD980637425
FINDS
ECHO**

**Relative:
Lower
Actual:
151 ft.**

SEMS Archive:
Site ID: 0901901
EPA ID: CAD980637425
Name: AM OLEAN TILE CO DIV OF NA GYPSUM CO
Address: 8250 INDUSTRIAL AVE
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
Cong District: 01
FIPS Code: 06061
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN OLEAN TILE COMPANY (Continued)

1000880933

SEMS Archive Detail:

Region: 09
Site ID: 0901901
EPA ID: CAD980637425
Site Name: AM OLEAN TILE CO DIV OF NA GYPSUM CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1985-07-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901901
EPA ID: CAD980637425
Site Name: AM OLEAN TILE CO DIV OF NA GYPSUM CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 04:00:00
Finish Date: 1981-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901901
EPA ID: CAD980637425
Site Name: AM OLEAN TILE CO DIV OF NA GYPSUM CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-03-01 06:00:00
Finish Date: 1985-07-01 05:00:00
Qual: N
Current Action Lead: St Perf

RCRA-SQG:

Date Form Received by Agency: 19931210
Handler Name: AMERICAN OLEAN TILE CO
Handler Address: 8250 INDUSTRIAL AVE
Handler City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAD980637425
Contact Name: RICHARD DEL VECCHIO
Contact Address: 8250 INDUSTRIAL AVE
Contact City,State,Zip: ROSEVILLE, CA 95658

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN OLEAN TILE COMPANY (Continued)

1000880933

Contact Telephone:	916-782-4444
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8250 INDUSTRIAL AVE
Mailing City, State, Zip:	ROSEVILLE, CA 95678
Owner Name:	AMERICAN OLEAN TILE CO
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN OLEAN TILE COMPANY (Continued)

1000880933

Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSD Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20020627
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: AMERICAN OLEAN TILE CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1000 CANNON AVE
Owner/Operator City,State,Zip: LANSDALE, PA 19446-0271
Owner/Operator Telephone: 215-855-1111
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19931210
Handler Name: AMERICAN OLEAN TILE CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN OLEAN TILE COMPANY (Continued)

1000880933

FINDS:

Registry ID: 110008264207

Click Here:

Environmental Interest/Information System:

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000880933
Registry ID: 110008264207
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008264207>
Name: AMERICAN OLEAN TILE COMPANY
Address: 8250 INDUSTRIAL AVE
City,State,Zip: ROSEVILLE, CA 95678

**K34
NNE
1/4-1/2
0.334 mi.
1765 ft.**

**SUNSTATE EQUIPMENT CO, LLC
8250 INDUSTRIAL AVE
ROSEVILLE, CA 95678
Site 2 of 2 in cluster K**

**ENVIROSTOR S103963687
VCP N/A
DEED
CHMIRS
HAZNET
HIST CORTESE
HWTS**

**Relative:
Lower**

**Actual:
151 ft.**

ENVIROSTOR:

Name: AMERICAN OLEAN TILE COMPANY
Address: 8405 WASHINGTON BOULEVARD
City,State,Zip: ROSEVILLE, CA 95678
Facility ID: 31320001
Status: Certified O&M - Land Use Restrictions Only
Status Date: 11/30/2000
Site Code: 102352
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Peter Macnicholl
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Assembly: 06

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Senate: 04
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: DAY, HOS, LUC, EX, NOWN, HS, RES
Funding: Responsible Party
Latitude: 38.78389
Longitude: -121.3018
APN: 017-121-007-000, 360070001000, 360070009000, 360070010000,
360070011000, 360070012000, 360070013000, 360070014000, 360070015000,
360070016000, 360070017000, 360070018000, 360070019000, 360070020000,
360070021000, 360070022000, 360070023000
Past Use: MANUFACTURING - CERAMICS
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: 017-121-007-000
Alias Type: APN
Alias Name: 360070001000
Alias Type: APN
Alias Name: 360070009000
Alias Type: APN
Alias Name: 360070010000
Alias Type: APN
Alias Name: 360070011000
Alias Type: APN
Alias Name: 360070012000
Alias Type: APN
Alias Name: 360070013000
Alias Type: APN
Alias Name: 360070014000
Alias Type: APN
Alias Name: 360070015000
Alias Type: APN
Alias Name: 360070016000
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Alias Type: APN
Alias Name: 360070018000
Alias Type: APN
Alias Name: 360070019000
Alias Type: APN
Alias Name: 360070020000
Alias Type: APN
Alias Name: 360070021000
Alias Type: APN
Alias Name: 360070022000
Alias Type: APN
Alias Name: 360070023000
Alias Type: APN
Alias Name: CAD980637425
Alias Type: EPA Identification Number
Alias Name: 110008264207
Alias Type: EPA (FRS #)
Alias Name: 100894
Alias Type: Project Code (Site Code)
Alias Name: 102352
Alias Type: Project Code (Site Code)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Alias Name: 31320001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/16/1999
Comments: A Chapter 6.5 agreement was completed for continuing work with the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/17/1997
Comments: A Voluntary Cleanup Agreement was signed with a private party to review existing information regarding onsite investigation and remediation of contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: Facility identified from ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/10/1981
Comments: Facility drive-by. Two inactive ponds observed. One active pond observed. Sludge ponds suspected of lead and other heavy metals from sample collected.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/21/2007
Comments: A Voluntary Cleanup Agreement was sent for the project proponent to prepare a soils management plan and health and safety plan. Upon approval, the project proponent will implement appropriate measures to assure proper work practices on deed restricted property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/28/2008
Comments: No observed activities contrary to the conditions set forth in the land use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/22/2010
Comments: LUC inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Completed Date: 03/17/2009
Comments: A site visit was performed to review whether conditions have changed on the 2+ acre restricted parcel of the property subject to a land use covenant. Current work on this parcel performed under an approved work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/17/2000
Comments: A Covenant to Restrict Use of Property was recorded on October 17, 2000 with the Placer County Recorder. The property restricted is 2.652 acres and represents a portion of the site. Lead contaminated soils remain in the vicinity of the pond areas. The deed restriction identifies restrictions for the owner of the land regarding uses of the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/26/2018
Comments: Fully Executed Voluntary Cleanup Agreement

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/20/2019
Comments: Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/30/2000
Comments: A Preliminary Endangerment Assessment was completed on 11/30/00. No further action is recommended for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/30/1987
Comments: Site Screening done. Preliminary Assessment done under RCRA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Completed Date: 04/09/2008
Comments: The final Soil Management and Health & Safety plans are approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 07/24/2013
Comments: VCA termination for convenience notice effective in 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/30/2020
Comments: Implementation coordination completed by taking site photos and data and discussing implementation plan of action with contractors.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/12/2021
Comments: DTSC issued the RACR concurrence letter dated April 12, 2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/28/2020
Comments: DTSC comments were incorporated into RAW on 7/7/20. RAW Concurrence letter for start of public comments was issued on 8/24/20.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 05/10/2020
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/26/2020
Comments: Incorporating new objectives into fact sheet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/20/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Comments: Public Notice Finalized on 8/20/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/09/2020
Comments: Air Monitoring Plan included as part of RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 12/31/1997
Comments: Comments were sent to Proponent describing deficiencies in the site investigation and remediation fulfilling DTSC's obligation under the VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/28/2020
Comments: Amended Mitigated Negative Declaration and Notice of Determination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/29/2017
Comments: 2017 Site Inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/04/2018
Comments: Visual site inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/23/2016
Comments: No observed activities contrary to the conditions set forth in the land use Covenant.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 12/26/2020
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction - Amendment
Schedule Due Date: 12/06/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction - Amendment
Schedule Due Date: 07/05/2021
Schedule Revised Date: Not reported

VCP:

Name: AMERICAN OLEAN TILE COMPANY
Address: 8405 WASHINGTON BOULEVARD
City,State,Zip: ROSEVILLE, CA 95678
Facility ID: 31320001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: DAY, HOS, LUC, EX, NOWN, HS, RES
Acres: 5.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: MBR
Lead Agency Description: Not reported
Project Manager: Peter Macnicholl
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Site Code: 102352
Assembly: 06
Senate: 04
Special Programs Code: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 11/30/2000
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 38.78389 / -121.3018
APN: 017-121-007-000, 360070001000, 360070009000, 360070010000,
360070011000, 360070012000, 360070013000, 360070014000, 360070015000,
360070016000, 360070017000, 360070018000, 360070019000, 360070020000,
360070021000, 360070022000, 360070023000
Past Use: MANUFACTURING - CERAMICS
Potential COC: 30013
Confirmed COC: 30013
Potential Description: SOIL
Alias Name: 017-121-007-000
Alias Type: APN
Alias Name: 360070001000
Alias Type: APN
Alias Name: 360070009000
Alias Type: APN
Alias Name: 360070010000
Alias Type: APN
Alias Name: 360070011000
Alias Type: APN
Alias Name: 360070012000
Alias Type: APN
Alias Name: 360070013000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Alias Type: APN
Alias Name: 360070014000
Alias Type: APN
Alias Name: 360070015000
Alias Type: APN
Alias Name: 360070016000
Alias Type: APN
Alias Name: 360070017000
Alias Type: APN
Alias Name: 360070018000
Alias Type: APN
Alias Name: 360070019000
Alias Type: APN
Alias Name: 360070020000
Alias Type: APN
Alias Name: 360070021000
Alias Type: APN
Alias Name: 360070022000
Alias Type: APN
Alias Name: 360070023000
Alias Type: APN
Alias Name: CAD980637425
Alias Type: EPA Identification Number
Alias Name: 110008264207
Alias Type: EPA (FRS #)
Alias Name: 100894
Alias Type: Project Code (Site Code)
Alias Name: 102352
Alias Type: Project Code (Site Code)
Alias Name: 31320001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/16/1999
Comments: A Chapter 6.5 agreement was completed for continuing work with the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/17/1997
Comments: A Voluntary Cleanup Agreement was signed with a private party to review existing information regarding onsite investigation and remediation of contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: Facility identified from ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/10/1981

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Comments: Facility drive-by. Two inactive ponds observed. One active pond observed. Sludge ponds suspected of lead and other heavy metals from sample collected.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/21/2007
Comments: A Voluntary Cleanup Agreement was sent for the project proponent to prepare a soils management plan and health and safety plan. Upon approval, the project proponent will implement appropriate measures to assure proper work practices on deed restricted property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/28/2008
Comments: No observed activities contrary to the conditions set forth in the land use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/22/2010
Comments: LUC inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/17/2009
Comments: A site visit was performed to review whether conditions have changed on the 2+ acre restricted parcel of the property subject to a land use covenant. Current work on this parcel performed under an approved work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/17/2000
Comments: A Covenant to Restrict Use of Property was recorded on October 17, 2000 with the Placer County Recorder. The property restricted is 2.652 acres and represents a portion of the site. Lead contaminated soils remain in the vicinity of the pond areas. The deed restriction identifies restrictions for the owner of the land regarding uses of the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/26/2018
Comments: Fully Executed Voluntary Cleanup Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/20/2019
Comments: Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/30/2000
Comments: A Preliminary Endangerment Assessment was completed on 11/30/00. No further action is recommended for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/30/1987
Comments: Site Screening done. Preliminary Assessment done under RCRA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/09/2008
Comments: The final Soil Management and Health & Safety plans are approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 07/24/2013
Comments: VCA termination for convenience notice effective in 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/30/2020
Comments: Implementation coordination completed by taking site photos and data and discussing implementation plan of action with contractors.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/12/2021
Comments: DTSC issued the RACR concurrence letter dated April 12, 2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/28/2020
Comments: DTSC comments were incorporated into RAW on 7/7/20. RAW Concurrence letter for start of public comments was issued on 8/24/20.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 05/10/2020
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/26/2020
Comments: Incorporating new objectives into fact sheet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/20/2020
Comments: Public Notice Finalized on 8/20/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/09/2020
Comments: Air Monitoring Plan included as part of RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 12/31/1997
Comments: Comments were sent to Proponent describing deficiencies in the site investigation and remediation fulfilling DTSC's obligation under the VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/28/2020
Comments: Amended Mitigated Negative Declaration and Notice of Determination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/06/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/29/2017
Comments: 2017 Site Inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/04/2018
Comments: Visual site inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/23/2016
Comments: No observed activities contrary to the conditions set forth in the land use Covenant.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 12/26/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction - Amendment
Schedule Due Date: 12/06/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction - Amendment
Schedule Due Date: 07/05/2021
Schedule Revised Date: Not reported

DEED:
Name: AMERICAN OLEAN TILE COMPANY
Address: 8405 WASHINGTON BOULEVARD
City,State,Zip: ROSEVILLE, CA 95678
Envirostor ID: 31320001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CHMIRS:
Name: Not reported
Address: 8250 INDUSTRIAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

City,State,Zip: ROSEVILLE, CA 95678
OES Incident Number: 08-7605
OES notification: 10/21/2008
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Road
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Cu.Ft.
Other: Not reported
Date/Time: 1209
Year: 2008
Agency: Roseville Fire Dept
Incident Date: 10/21/2008
Admin Agency: Roseville Fire Department
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Natural Gas
Quantity Released: 100,000
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatalis: Not reported
Comments: Not reported
Description: Caller states a backhoe struck a four inch line and put an inch and a half hole in the line. Caller states substance released for approximately one hour. Caller states PG&E repaired the line. Caller states there was a shelter in-place while the release occurred. . Caller states the shelter in-place was lifted at 1310 Hrs when the release was secured.

HAZNET:

Name: SUNSTATE EQUIPMENT CO LLC
Address: 8250 INDUSTRIAL AVE
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 850342134
Contact: ANNIE BODELL
Telephone: 6026832268
Mailing Name: Not reported
Mailing Address: 5552 E WASHINGTON ST

Year: 2019
Gepaid: CAL000329027
TSD EPA ID: CAD059494310
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.84000

Year: 2019
Gepaid: CAL000329027
TSD EPA ID: CAD059494310
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.40000

Year: 2018
Gepaid: CAL000329027
TSD EPA ID: CAD059494310
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.56000

Year: 2017
Gepaid: CAL000329027
TSD EPA ID: CAD059494310
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Tons: Treatment/Reovery (H010-H129) Or (H131-H135)
0.485

Year: 2016
Gepaid: CAL000329027
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.125

Year: 2015
Gepaid: CAL000329027
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.25

Year: 2014
Gepaid: CAL000329027
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.475

Year: 2013
Gepaid: CAL000329027
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.025

Additional Info:
Year: 2014
Gen EPA ID: CAL000329027

Shipment Date: 20141125
Creation Date: 2/13/2015 22:15:17
Receipt Date: 20141204
Manifest ID: 013386785JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSD EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSD EPA ID: Not reported
TSD EPA Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.15

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140822
Creation Date: 10/26/2014 22:15:13
Receipt Date: 20140903
Manifest ID: 012989402JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140206
Creation Date: 4/29/2014 22:14:58
Receipt Date: 20140218
Manifest ID: 012263559JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS
Trans 2 EPA ID: CAR000075622
Trans 2 Name: KM INDUSTRIAL INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.175
Waste Quantity: 350
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Additional Info:

Year: 2016
Gen EPA ID: CAL000329027

Shipment Date: 20150806
Creation Date: 10/14/2015 22:15:09
Receipt Date: 20150814
Manifest ID: 014177738JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS INC
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150320
Creation Date: 6/25/2015 22:15:51
Receipt Date: 20150325
Manifest ID: 014177361JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS INC
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Gen EPA ID: CAL000329027

Shipment Date: 20130301
Creation Date: 4/29/2013 22:15:06
Receipt Date: 20130304
Manifest ID: 008643692JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAL000329027

Shipment Date: 20171004
Creation Date: 6/20/2018 18:31:56
Receipt Date: 20171013
Manifest ID: 006259125SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Creation Date: 6/20/2018 18:31:56
Receipt Date: 20171013
Manifest ID: 006259125SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170713
Creation Date: 6/28/2018 18:30:22
Receipt Date: 20170721
Manifest ID: 006103962SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.035
Waste Quantity: 70
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170713
Creation Date: 6/28/2018 18:30:22
Receipt Date: 20170721
Manifest ID: 006103962SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170113
Creation Date: 3/31/2017 18:30:27
Receipt Date: 20170120
Manifest ID: 005855284SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRON SVCS INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170113
Creation Date: 3/31/2017 18:30:27
Receipt Date: 20170120
Manifest ID: 005855284SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRON SVCS INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2015
Gen EPA ID: CAL000329027

Shipment Date: 20150806
Creation Date: 10/14/2015 22:15:09
Receipt Date: 20150814
Manifest ID: 014177738JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS INC
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150320
Creation Date: 6/25/2015 22:15:51
Receipt Date: 20150325
Manifest ID: 014177361JJK
Trans EPA ID: CAL000381082
Trans Name: THERMO FLUIDS INC
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.15
Waste Quantity: 300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HIST CORTESE:

edr_fname: AMERICAN OLEAN TILE COMPA
edr_fadd1: 8250 INDUSTRIAL
City,State,Zip: ROSEVILLE, CA 95678
Region: CORTESE
Facility County Code: 31
Reg By: CALSI
Reg Id: 31320001

HWTS:

Name: SUNSTATE EQUIPMENT CO, LLC
Address: 8250 INDUSTRIAL AVE
Address 2: Not reported
City,State,Zip: ROSEVILLE, CA 95678
EPA ID: CAL000329027
Inactive Date: Not reported
Create Date: 01/24/2008
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 5552 E WASHINGTON ST
Mailing Address 2: Not reported
Mailing City,State,Zip: PHOENIX, AZ 850342134
Owner Name: SUNSTATE EQUIPMENT
Owner Address: 5552 E WASHINGTON ST
Owner Address 2: Not reported
Owner City,State,Zip: PHOENIX, AZ 850342134
Contact Name: ANNIE BODELL
Contact Address: SUNSTATE EQUIPMENT CO, L.L.C.
Contact Address 2: Not reported
City,State,Zip: PHOENIX, AZ 85034
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 38.780342
Longitude: -121.306815

NAICS:

EPA ID: CAL000329027
Create Date: 2008-01-24 10:08:47.887
NAICS Code: 532412
NAICS Description: Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
Issued EPA ID Date: 2008-01-24 10:08:47.84000
Inactive Date: Not reported
Facility Name: SUNSTATE EQUIPMENT CO, LLC
Facility Address: 8250 INDUSTRIAL AVE
Facility Address 2: Not reported
Facility City: ROSEVILLE
Facility County: Not reported
Facility State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNSTATE EQUIPMENT CO, LLC (Continued)

S103963687

Facility Zip: 956785900

35
NNW
1/2-1
0.751 mi.
3963 ft.

Relative:
Lower

Actual:
138 ft.

HEWLETT-PACKARD ROSEVILLE DIVISION
8000 FOOTHILLS BLVD
ROSEVILLE, CA 95747

RCRA-VSQG 1000281840
ENVIROSTOR CAT080014483
CPS-SLIC
AST
SWEEPS UST
HIST UST
CA FID UST
CHMIRS
FINDS
NPDES
WDS
CIWQS
CERS

RCRA-VSQG:

Date Form Received by Agency: 20220126
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Handler Address: 8000 FOOTHILLS BLVD
Handler City,State,Zip: ROSEVILLE, CA 95747
EPA ID: CAT080014483
Contact Name: PATRICK SEWARD
Contact Address: 8000 FOOTHILLS BLVD
Contact City,State,Zip: ROSEVILLE, CA 95747
Contact Telephone: 918-409-1410
Contact Fax: Not reported
Contact Email: PATRICK.SEWARD@HPE.COM
Contact Title: EHS
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 8000 FOOTHILLS BLVD
Mailing City,State,Zip: ROSEVILLE, CA 95747
Owner Name: DC ROSEVILLE OWNER LLC (APEX CAPITAL INVESTMENT COR
Owner Type: Private
Operator Name: HEWLETT PACKARD ENTERPRISE - ROSEVILLE DIVISION
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220127
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:

Owner/Operator Name:

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Owner/Operator City,State,Zip:

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Owner

HEWLETT-PACKARD ROSEVILLE DIVISION

Private

Not reported

Not reported

8000 FOOTHILLS BLVD

ROSEVILLE, CA 95747

916-786-2001

Not reported

Not reported

Not reported

Owner/Operator Indicator:

Owner/Operator Name:

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Owner/Operator City,State,Zip:

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Operator

HEWLETT PACKARD ENTERPRISE - ROSEVILLE DIVISION

Private

20220101

Not reported

8000 FOOTHILLS BLVD

ROSEVILLE, CA 95747

918-409-1410

Not reported

Not reported

PATRICK.SEWARD@HPE.COM

Owner/Operator Indicator:

Owner/Operator Name:

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Owner/Operator City,State,Zip:

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Operator

HEWLETT-PACKARD ROSEVILLE DIVISION

Private

Not reported

Not reported

8000 FOOTHILLS BLVD.

CITY NOT REPORTED, CA 99999

916-786-2001

Not reported

Not reported

Not reported

Owner/Operator Indicator:

Owner/Operator Name:

Legal Status:

Date Became Current:

Date Ended Current:

Owner/Operator Address:

Owner/Operator City,State,Zip:

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Owner

HEWLETT-PACKARD ROSEVILLE DIVISION

Private

Not reported

Not reported

8000 FOOTHILLS BLVD

ROSEVILLE, CA 95747

916-786-2001

Not reported

Not reported

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Owner/Operator Indicator: Owner
Owner/Operator Name: DC ROSEVILLE OWNER LLC (APEX CAPITAL INVESTMENT CORP.)
Legal Status: Private
Date Became Current: 20220101
Date Ended Current: Not reported
Owner/Operator Address: 1515 MARKET STREET
Owner/Operator City,State,Zip: PHILADELPHIA, PA 19102
Owner/Operator Telephone: 267-729-1200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: S.FANNING@APEXCAPITALUS.COM

Historic Generators:

Receive Date: 19960901
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980129
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19801121
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19801121
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980129
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220126
Handler Name: HEWLETT-PACKARD ROSEVILLE DIVISION
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19920226
Handler Name: HEWLETT-PACKARD/ROSEVILLE DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940318
Handler Name: HEWLETT PACKARD ROSEVILLE SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960222
Handler Name: HEWLETT-PACKARD COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: HEWLETT-PACKARD/ROSEVILLE SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 334111
NAICS Description: ELECTRONIC COMPUTER MANUFACTURING

NAICS Code: 541512
NAICS Description: COMPUTER SYSTEMS DESIGN SERVICES

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19841005
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19860910
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19860606
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

ENVIROSTOR:

Name: HEWLETT-PACKARD CO. - ROSEVILLE
Address: 8000 FOOTHILLS BOULEVARD
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: 71003536
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Sacramento
Assembly: 06
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.78800
Longitude: -121.3213
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAT080014483
Alias Type: EPA Identification Number
Alias Name: 110000899029
Alias Type: EPA (FRS #)
Alias Name: 71003536

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Name: HEWLETT PACKARD ROSEVILLE
Address: 8000 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747-5609
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 08/18/2008
Global Id: SL0606154383
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: Not reported
Latitude: 38.785173
Longitude: -121.313775
Case Type: Cleanup Program Site
Case Worker: AST
Local Agency: Not reported
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Polynuclear aromatic hydrocarbons (PAHs)
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

AST:

Name: HEWLETT PACKARD
Address: 8000 FOOTHILLS BLVD.
City/Zip: ROSEVILLE,
Certified Unified Program Agencies: Roseville
Owner: HEWLETT PACKARD
Total Gallons: 5,760
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

SWEEPS UST:

Name: HEWLETT PACKARD
Address: 8000 FOOTHILLS BLVD
City: ROSEVILLE
Status: Active
Comp Number: 16490
Number: 9
Board Of Equalization: 44-017392
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: R3-D
SWRCB Tank Id: 31-015-016490-000001
Tank Status: A
Capacity: 12000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 3

Name: HEWLETT PACKARD
Address: 8000 FOOTHILLS BLVD
City: ROSEVILLE
Status: Active
Comp Number: 16490
Number: 9
Board Of Equalization: 44-017392
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: R3-G
SWRCB Tank Id: 31-015-016490-000002
Tank Status: A
Capacity: 8000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Name: HEWLETT PACKARD
Address: 8000 Foothills Blvd
City: ROSEVILLE
Status: Active
Comp Number: 16490
Number: 9
Board Of Equalization: 44-017392
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: RB-G
SWRCB Tank Id: 31-015-016490-000003
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

Name: HEWLETT PACKARD
Address: 8000 FOOTHILLS BOULEVARD
City,State,Zip: ROSEVILLE, CA 95678
File Number: 0001F24F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F24F.pdf>
Region: STATE
Facility ID: 00000016490
Facility Type: Other
Other Type: MANUFACTUR
Contact Name: M.A.NELSON
Telephone: 9167868000
Owner Name: HEWLETT PACKARD
Owner Address: 3000 HANOVER STREET
Owner City,St,Zip: PALO ALTO, CA 94304
Total Tanks: 0003

Tank Num: 001
Container Num: R3-D
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 002
Container Num: R3-G
Year Installed: 1981
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 003
Container Num: RB-G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 31000009
Regulated By: UTNKA
Regulated ID: 00016490
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 9167868000
Mail To: Not reported
Mailing Address: 8000 FOOTHILLS BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: ROSEVILLE 95678
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:

Name: Not reported
Address: 8000 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
OES Incident Number: 17-2585
OES notification: 04/04/2017
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Unknown dry creek bed
Spill Site:	Merchant/Business
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	Water
Date/Time:	1645
Year:	2017
Agency:	Hewlett Packard Enterprise
Incident Date:	04/03/2017
Admin Agency:	Roseville Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Unknown dry creek bed
E Date:	Not reported
Substance:	Water with iron oxide
Quantity Released:	18,000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that a water tank was being drained for maintenance resulting in the release of 18,000 gallons of water onto the surrounding soil area and 5,000 gallons of the release impacted a nearby dry creek bed. Caller states that there was iron oxide present in the water from the tank. Once the coloration from the iron oxide was noticed, the draining was stopped. The release is contained and cleanup is being determined by local agencies.
Name:	Not reported
Address:	8000 FOOTHILLS BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

City,State,Zip: ROSEVILLE, CA
OES Incident Number: 5-5684
OES notification: 09/30/2005
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2005
Agency: Roseville Fire
Incident Date: 9/30/200512:00:00 AM
Admin Agency: Roseville Fire Department
Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: Freon
Gallons: 0.000000
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 50
Number of Injuries: 1
Number of Fatalities: 0
#1 Pipeline: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
FATALS: Not reported
Comments: Not reported
Description: A maintenance worker was working on an air conditioning system and was overcome by a vapor release. Release has been stopped and subject is being decontaminated for transport to hospital.

Name: Not reported
Address: 8000 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA
OES Incident Number: 8-0920
OES notification: 02/22/1998
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Agency: Roseville Fire
Incident Date: 2/22/1998 12:00:00 AM
Admin Agency: Roseville Fire Department
Amount: Not reported
Contained: Yes
Site Type: Industrial Plant
E Date: Not reported
Substance: Unknown
Gallons: 0.000000
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 18
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: Large cases of computer chassis opened, releasing white powder substance which caused burning eyes, rash on arms, face neck and back and itching in same areas

FINDS:
Registry ID: 110055738135

Click Here:
Environmental Interest/Information System:
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

NPDES:
Name: OFFICE
Address: 8000 FOOTHILLS BLVD
City, State, Zip: ROSEVILLE, CA 95747
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: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

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: Returned
Status Date: 04/04/2011
Operator Name: Scott Thorne Environmental Consulting
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

WDS:

Name: HEWLETT PACKARD
Address: 8000 Foothills Blvd
City: ROSEVILLE
Facility ID: 5S 311003707
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 0
Facility Telephone: 9167854233
Facility Contact: RICHARD BOULD
Agency Name: HEWLETT PACKARD CO
Agency Address: 8000 Foothills Blvd
Agency City,St,Zip: Roseville 957475200
Agency Contact: RICHARD BOULD
Agency Telephone: 9167854233
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name: HEWLETT PACKARD
Address: 8000 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747
Agency: Hewlett Packard - Roseville
Agency Address: 8000 Foothills Blvd, Roseville, CA 95747
Place/Project Type: Industrial - Electronic Computers
SIC/NAICS: 3571(+)
Region: 5S
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 5S31003707
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/06/1992
Termination Date: 10/16/2015
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.785232
Longitude: -121.313756

CERS:

Name: HEWLETT PACKARD ROSEVILLE
Address: 8000 FOOTHILLS BLVD
City,State,Zip: ROSEVILLE, CA 95747-5609
Site ID: 198305
CERS ID: SL0606154383
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: AMY TERRELL - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9164644680,

Name: HEWLETT PACKARD ROSEVILLE SITE
Address: 8000 FOOTHILLS BOULEVARD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEWLETT-PACKARD ROSEVILLE DIVISION (Continued)

1000281840

City,State,Zip: ROSEVILLE, CA 95747-6553
Site ID: 472234
CERS ID: 110000899029
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: AMY TERRELL CTRL VLY RWQCB REGN 5S
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE 200
Affiliation City: RANCHOCORDOVA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ENVIR MGMT
Entity Title: Not reported
Affiliation Address: 8000 FOOTHILLS BLVD
Affiliation City: ROSEVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Richard Boultd
Entity Title: Not reported
Affiliation Address: 8000 FOOTHILLS BLVD
Affiliation City: ROSEVILLE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: HEWLETT PACKARD ENTRPRS
Entity Title: Not reported
Affiliation Address: 3000 HANOVER STREET
Affiliation City: PALOALTO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: SCOTT ROESENER
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: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

36
West
1/2-1
0.931 mi.
4916 ft.

WOODCREEK WEST ELEMENTARY SCHOOL
PARCEL 70 - WOODCREEK WEST DEVELOPMENT
ROSEVILLE, CA 95747

ENVIROSTOR S105954531
SCH N/A

Relative:
Lower
Actual:
133 ft.

ENVIROSTOR:

Name: WOODCREEK WEST ELEMENTARY SCHOOL
Address: PARCEL 70 - WOODCREEK WEST DEVELOPMENT
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: 31010004
Status: No Further Action
Status Date: 03/17/2000
Site Code: 104022
Site Type: School Investigation
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 06
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.77256
Longitude: -121.3299
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic DDD DDE DDT
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: DRY CREEK JESD-WOODCREEK W EL/VCA
Alias Type: Alternate Name
Alias Name: DRY CREEK JOINT ELEM. SD-WOODCREEK WEST
Alias Type: Alternate Name
Alias Name: DRY CREEK SD
Alias Type: Alternate Name
Alias Name: WOODCREEK WEST ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 101237
Alias Type: Project Code (Site Code)
Alias Name: 104022
Alias Type: Project Code (Site Code)
Alias Name: 31010004
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/01/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK WEST ELEMENTARY SCHOOL (Continued)

S105954531

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/06/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/17/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/24/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: WOODCREEK WEST ELEMENTARY SCHOOL
Address: PARCEL 70 - WOODCREEK WEST DEVELOPMENT
City,State,Zip: ROSEVILLE, CA 95747
Facility ID: 31010004
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK WEST ELEMENTARY SCHOOL (Continued)

S105954531

Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 104022
Assembly: 06
Senate: 04
Special Program Status: Not reported
Status: No Further Action
Status Date: 03/17/2000
Restricted Use: NO
Funding: School District
Latitude: 38.77256
Longitude: -121.3299
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic, DDD, DDE, DDT
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: DRY CREEK JESD-WOODCREEK W EL/VCA
Alias Type: Alternate Name
Alias Name: DRY CREEK JOINT ELEM. SD-WOODCREEK WEST
Alias Type: Alternate Name
Alias Name: DRY CREEK SD
Alias Type: Alternate Name
Alias Name: WOODCREEK WEST ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 101237
Alias Type: Project Code (Site Code)
Alias Name: 104022
Alias Type: Project Code (Site Code)
Alias Name: 31010004
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/01/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/06/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/17/2000
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODCREEK WEST ELEMENTARY SCHOOL (Continued)

S105954531

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/24/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRAFT

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ROSEVILLE	1026647906	UNION PACIFIC RAILROAD COMPANY	100031 FOOTHILLS BLVD., SUITE	95747	PRP

DRAFT

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/27/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: 800-424-9346
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022	Source: EPA
Date Data Arrived at EDR: 06/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2022	Source: Department of the Navy
Date Data Arrived at EDR: 02/11/2022	Telephone: 843-820-7326
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/24/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/04/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022

Date Data Arrived at EDR: 06/15/2022

Date Made Active in Reports: 06/21/2022

Number of Days to Update: 6

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/15/2022

Next Scheduled EDR Contact: 10/03/2022

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/24/2022

Date Data Arrived at EDR: 01/25/2022

Date Made Active in Reports: 04/13/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/26/2022

Next Scheduled EDR Contact: 08/08/2022

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies 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: 01/24/2022

Date Data Arrived at EDR: 01/25/2022

Date Made Active in Reports: 04/13/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/26/2022

Next Scheduled EDR Contact: 08/08/2022

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/07/2022

Date Data Arrived at EDR: 02/08/2022

Date Made Active in Reports: 05/05/2022

Number of Days to Update: 86

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/09/2022

Next Scheduled EDR Contact: 08/22/2022

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST 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

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/13/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-6597
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021	Source: EPA, Region 5
Date Data Arrived at EDR: 11/15/2021	Telephone: 312-886-7439
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3372
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6271
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021	Source: EPA, Region 1
Date Data Arrived at EDR: 11/15/2021	Telephone: 617-918-1313
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 9
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3368
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6137
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

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: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 90

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

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

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: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
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 Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
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: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/10/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing Aboveground storage tank sites

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
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: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/28/2022	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-323-3400
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/21/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/21/2022	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2021	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/19/2022	Telephone: 916-845-8400
Date Made Active in Reports: 04/08/2022	Last EDR Contact: 04/19/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/06/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 202-564-6023
Date Made Active in Reports: 02/25/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/15/2022
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 07/08/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/11/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/15/2022	Telephone: 301-415-7169
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 04/18/2022
Number of Days to Update: 91	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 06/02/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 05/25/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/06/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/15/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/23/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 96

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/05/2022	Telephone: 202-564-2280
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 07/01/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022	Source: EPA
Date Data Arrived at EDR: 02/17/2022	Telephone: 800-385-6164
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/21/2022	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/21/2022	Telephone: 916-323-3400
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

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: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 82

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. 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: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 85

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/17/2022	Source: Department of Public Health
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-558-1784
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/07/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/08/2022	Telephone: 916-445-9379
Date Made Active in Reports: 05/05/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/28/2022	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-445-4038
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/07/2022	Source: Department of Conservation
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-323-3836
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/11/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/15/2022	Telephone: 916-445-3846
Date Made Active in Reports: 06/08/2022	Last EDR Contact: 06/09/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/26/2022
	Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/07/2022	Source: Department of Conservation
Date Data Arrived at EDR: 03/08/2022	Telephone: 916-445-2408
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 06/07/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 02/04/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2022
Date Data Arrived at EDR: 03/18/2022
Date Made Active in Reports: 06/08/2022
Number of Days to Update: 82

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 79

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 04/12/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 84

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 01/12/2022	Telephone: 626-458-6973
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 07/06/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/13/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 03/21/2022	Telephone: 213-978-3800
Date Made Active in Reports: 06/15/2022	Last EDR Contact: 06/24/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 01/13/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 03/21/2022	Telephone: 213-978-3800
Date Made Active in Reports: 06/15/2022	Last EDR Contact: 06/24/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021	Source: Community Health Services
Date Data Arrived at EDR: 07/09/2021	Telephone: 323-890-7806
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 04/14/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/06/2022
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/14/2022
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/28/2021	Telephone: 310-618-2973
Date Made Active in Reports: 07/13/2021	Last EDR Contact: 04/18/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 05/12/2022
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/22/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 05/19/2022
Number of Days to Update: 4	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022	Source: Merced County Environmental Health
Date Data Arrived at EDR: 02/17/2022	Telephone: 209-381-1094
Date Made Active in Reports: 05/11/2022	Last EDR Contact: 07/07/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/01/2022
Date Made Active in Reports: 04/18/2022
Number of Days to Update: 76

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN FRANCISCO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/09/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/13/2022
Number of Days to Update: 86

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 81

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/24/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 88

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2022
Date Data Arrived at EDR: 01/27/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 77

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

APN 017-232-022-000
7465 FOOTHILLS BOULEVARD
ROSEVILLE, CA 95678

TARGET PROPERTY COORDINATES

Latitude (North): 38.773943 - 38° 46' 26.19"
Longitude (West): 121.310013 - 121° 18' 36.05"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 646811.8
UTM Y (Meters): 4292840.0
Elevation: 157 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 12021643 ROSEVILLE, CA
Version Date: 2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

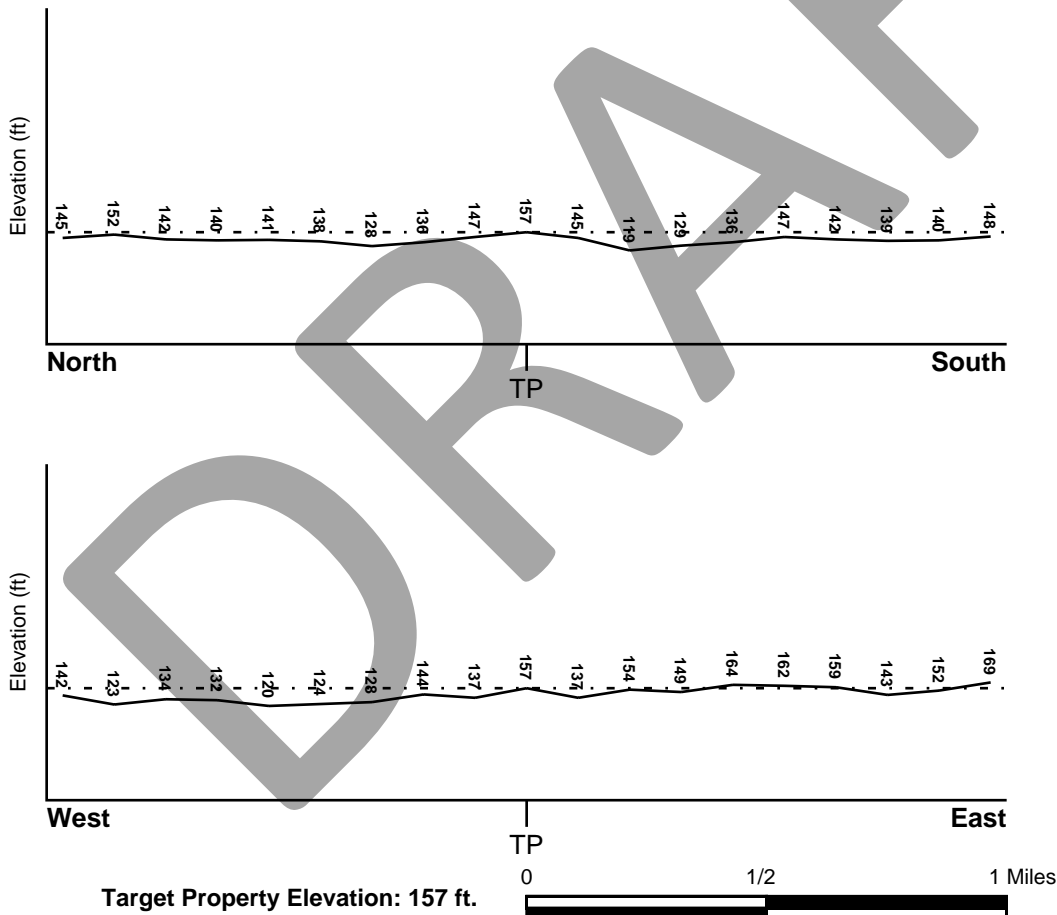
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
0602430004D	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
0602430008D	FEMA Q3 Flood data
0602430012D	FEMA Q3 Flood data
0602430016D	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ROSEVILLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:	
Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

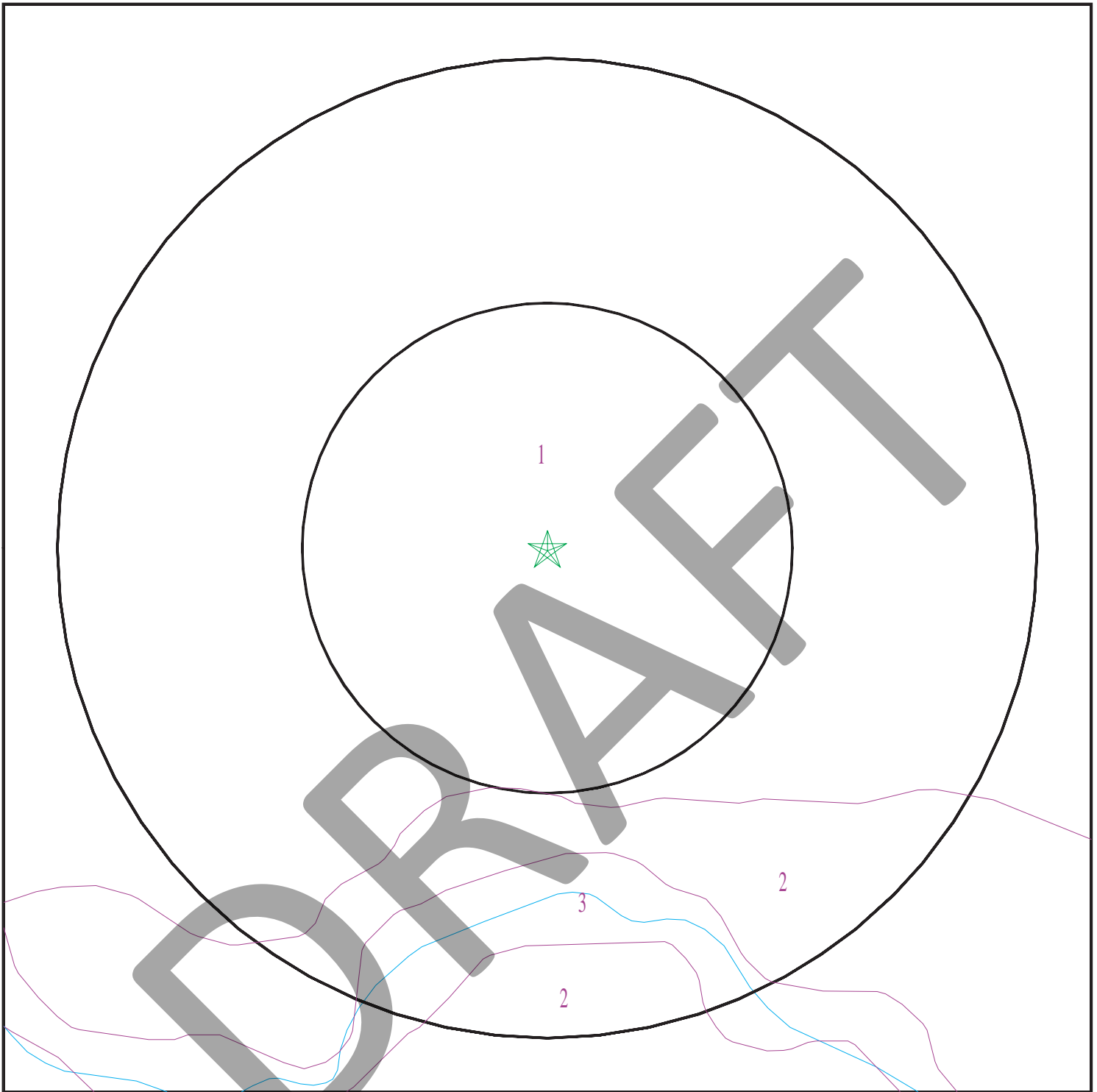
GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

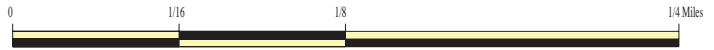
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DRAFT

SSURGO SOIL MAP - 7050871.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: APN 017-232-022-000
ADDRESS: 7465 Foothills Boulevard
Roseville CA 95678
LAT/LONG: 38.773943 / 121.310013

CLIENT: Blackburn Consulting
CONTACT: Laura Long
INQUIRY #: 7050871.2s
DATE: July 12, 2022 7:46 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: COMETA

Soil Surface Texture: sandy 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: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6
2	18 inches	29 inches	clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6
3	29 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: COMETA

Soil Surface Texture: sandy 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: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6
2	18 inches	29 inches	clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6
3	29 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Xerofluvents

Soil Surface Texture: stratified loamy sand to fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 111 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	stratified loamy sand to fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	37 inches	stratified loamy sand to fine sandy loam to silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 7.9
3	37 inches	55 inches	stratified loam to silty clay loam to clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

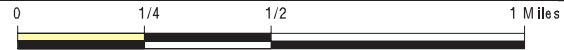
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR9000040379	1/2 - 1 Mile WSW
2	CADWR9000040369	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 7050871.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: APN 017-232-022-000
 ADDRESS: 7465 Foothills Boulevard
 Roseville CA 95678
 LAT/LONG: 38.773943 / 121.310013

CLIENT: Blackburn Consulting
 CONTACT: Laura Long
 INQUIRY #: 7050871.2s
 DATE: July 12, 2022 7:46 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
WSW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000040379

State Well #:	11N06E28N001M	Station ID:	31771
Well Name:	Not Reported	Basin Name:	North American
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	200	Well Completion Rpt #:	Not Reported

2
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000040369

State Well #:	11N06E34D001M	Station ID:	11923
Well Name:	Not Reported	Basin Name:	North American
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	320	Well Completion Rpt #:	Not Reported

DRAFT

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95678	31	0

Federal EPA Radon Zone for PLACER County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95678

Number of sites tested: 9

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.022 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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX E

City Directory Search

APN 017-232-022-000

7465 Foothills Boulevard
Roseville, CA 95678

Inquiry Number: 7050871.5
July 15, 2022

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1990	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1981	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1977	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1971	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1966	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

EXECUTIVE SUMMARY

Year Target Street Cross Street Source

DRAFT

FINDINGS

TARGET PROPERTY STREET

7465 Foothills Boulevard
Roseville, CA 95678

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

FOOTHILLS BLVD

2017	pg A2	EDR Digital Archive	
2014	pg A12	EDR Digital Archive	
2010	pg A21	EDR Digital Archive	
2005	pg A29	EDR Digital Archive	
2000	pg A37	EDR Digital Archive	
1995	pg A39	EDR Digital Archive	
1992	pg A41	EDR Digital Archive	
1990	pg A42	Haines Criss-Cross Directory	
1986	pg A43	Haines Criss-Cross Directory	
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1977	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1966	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

DRAFT

DRAFT

City Directory Images

FOOTHILLS BLVD 2017

1011 ALLSIZE STORAGE
 2995 CENTER OPERATIONS
 OFFICE CLAIMS
 RENAISSANCE CHURCH
 STATE FARM INSURANCE
 TAPPAN SOLUTIONS LLC
 3001 CHEVRON
 3031 FINE WINE FOOD & LIQUOR
 J B ORIENTAL INC
 K NAILS
 QUIZNOS
 TAQUERIA LOS ALTOS
 WIRELESS PLANET
 3981 CHECK N GO
 PANDA EXPRESS
 3985 BIRD & PET CLINIC OF ROSEVILLE
 3989 DRAGONSTAR MARTIAL ARTS
 MERRYHILL PRESCHOOL
 MERRYHILL SCHOOL
 MOUNTAIN MIKES PIZZA
 3992 CHILDRENS DENTAL CARE
 FORWARD SIGNS
 INDIA SUPERMARKET
 K9 SPA
 3994 MCDONALDS
 3998 AIRPORT SHUTTLE
 SHELL FOOD MART
 4000 DRY CLEAN TODAY
 RIVER CITY BANK
 STARBUCKS
 STARBUCKS COFFEE
 TRENDY NAILS
 4002 CARLS JR
 4004 RITE AID
 4005 JAMES E JOHN CONSTRUCTION
 4006 ALL BOOKED UP
 EL AZTECA TAQUERIA
 LEES JEWELERS
 PANDA
 ROSEVILLE GREAT CUTS
 TRENDY NAILS
 4008 BELAIR SUPERMARKETS
 WELLS FARGO ATM
 4010 ALL GARAGE DOORS REPAIR
 BELTONE
 BIRD & PET CLINIC OF ROSEVILLE
 CRAIG DINGER DVM
 GOODWILL
 I LOVE TERIYAKI
 NAILS MODE

FOOTHILLS BLVD

2017

(Cont'd)

4010 POSTALANNEX+
 RAINBOW CLEANERS
 ROUND TABLE PIZZA
 SALON DU SOLEIL
 SUBWAY
 4012 BANK OF AMERICA
 BANK OF AMERICA FINANCIAL CENTER
 4014 ARIA FAMILY DENTAL
 FOOTHILLS DONUTS
 PHIPPS MARK DDS
 5001 A TASTE OF MAGIC
 5002 TACO BELL
 5003 BOSTON MARKET
 5005 KABOB & GYRO GRILL
 KAZOKU
 ORIGINAL PETES
 ORIGINAL PETES PIZZA PASTA & GRILL
 STUDIO 4
 5007 WELLS FARGO BANK
 5010 DUNKIN DONUTS
 5015 CAFE AMERICANO
 CROWN CLEANERS
 CYBER HQ
 LEGEND MARTIAL ARTS
 PAPA JOHNS PIZZA
 PAPAYA THAI CUISINE
 5020 BASKINROBBINS
 FULL SERVICE 1 LOCKSMITH
 PAPA MURPHYS TAKE N BAKE PIZZA
 5030 DIAMOND PLATE BAR & GRILL
 5040 GISELLES TRAVEL
 PATELCO CREDIT UNION
 5060 BANK OF AMERICA
 SAVE MART
 5070 ALLEN LATHAM DDS
 FOOTHILL DENTAL PRACTICE
 PHILIP LATHAM DDS
 RICHARD D TALBOT DMD MS INC
 TOP TEN NAILS
 5080 BUSH FAMILY CHIROPRACTIC
 FOOTHILLS OPTOMETRY
 GERALD LOUIE OD
 JUNGS MARTIAL ARTS
 NICK BUSH DC
 S K BAINS OD
 5090 CVS PHARMACY
 5098 0 07 24 HOUR LOCKSMITH
 001 EMERGENCY LOCKSMITH
 1 24 HOUR LOCKSMITH
 1 EMERGENCY LOCKSMITH

FOOTHILLS BLVD

2017

(Cont'd)

5098 1 FULL SERVICE 24 7 LOCKSMITH
 123 24 7 LOCKSMITH SERVICE
 20 MINUTE LOCKSMITH
 24 7 EMERGENCY LOCKSMITH
 24 7 LOCKSMITH
 24 HOUR LOCK LOCKSMITH
 24 HOUR LOCKSMITH
 7 24 LOCKSMITH SERVICE
 7 DAY LOCKSMITH SERVICE
 A 24
 A 24 7 CAR KEYS LOCKSMITH
 A 24 7 LOCKSMITH SERVICE
 A ALL DAY LOCKSMITH
 A AUTOMOBILE LOCKSMITH
 A EMERGENCY LOCKSMITH
 A FAST LOCKSMITH SERVICE
 A FULL SERVICE LOCKSMITH
 A LOCKS LOCKSMITH 24 7
 A LOCKSMITH
 A REKEY LOCKSMITH 24 7
 A RESIDENTIAL & COMMERCIAL LOCKSMITH
 ASCENT SELLING TECHNOLOGIES
 EMERGENCY LOCKSMITH
 FIRST 24 HOUR LOCKSMITH
 HEAVENS BEST CARPET CLEANING
 INJURYFONE
 LOCKSMITH
 LOCKSMITH SERVICE
 MERCHANDISING SOLUTIONS
 PIMPIN IRON INC
 ROSEVILLE CLEANERS
 S & S APPLIANCE REPAIR
 TERIYAKI TO GO
 THE UPS STORE
 TOGOS
 5100 KIDDIE ACADEMY
 KIDDIE ACADEMY OF ROSEVILLE
 5121 BURGER KING
 5130 KFC
 5131 ACTIVECARE PHYSICAL THERAPY
 BERTOLUCCI, G
 CAFE CAFE
 KAZOKU TERIYAKI & MORE
 LILY NAILS
 MR PICKLES SANDWICH SHOP
 5140 ADVANCE AMERICA CASH ADVANCE
 ROSATIS PIZZA
 SMART STOP LIQUOR
 SMOKERS HAVEN
 THE TEACH HUT DELI

FOOTHILLS BLVD 2017 (Cont'd)

5141 KINDERCARE
WOODCREEK KINDERCARE
5150 JACK IN THE BOX
5161 ARMITAGE, LUCILLE P
BARKIN, BEATRICE K
BASSIGNAN, ARIO W
BATCHELLER, CLYDE H
BIGELOW, BARBARA
BRIGGS, RON C
BROOKS, COURTNEY
BUONCRISTIANI, RICHARD M
CIRIMELE, SHIRLEY A
CORNWELL, ROY S
COUGHANOUR, MARJORY M
COUPER, JACQUELINE M
DEMAS, ELI P
DESPINOY, GERALDINE R
DICKS, TTEE M
DORLES, EDNA C
DOYAL, LISA
DUFFEY, JUNE N
EKDAHL, BEVERLY B
FINNEGAN, JAMES B
FLANDERS, PHYLLIS F
FOSTER, HELEN P
FRANKLIN, ALICE
FRISBEE, EDWARD
FRY, SALLY A
GIBSON, CATHY A
GLASKY, MICHAEL
GOLDMAN, HERBERT S
HAINES, JUNE E
HALKETT, B
HALL, CHUCK G
HAMMAR, PATRICIA M
HUBER, EUGENE C
HUGHEY, RICHARD K
ISAEFF, BURIS I
JOHNS, MERVYN R
JOHNSON, DELLA
KEARNEY, FRANCES K
KRISTAL, EVELYN S
LANE, CONRAD C
LAWRY, LORAYNE C
LINDSEY, MABEL N
LYONS, T C
MAKI, ROSE
MAPLE, FRED J
MARZINZIK, JOHN W
MCKINNON, RALPH

FOOTHILLS BLVD 2017 (Cont'd)

5161 MITCHELL, ROBERT E
MODESTE, CAROLYN A
MOORE, IRENE B
MORTON, HELENE
MOUNTS, JOAN M
NEIBRIEF, ROSE
NEWMAN, ARIEL H
NICHOLLS, ERIC C
PERSON, WESLEY R
PIERSON, JANET
PINKIERT, SAN S
POPE, MARK
RANDALL, PHYLLIS A
RICHARDS, MARY
RITTER, ANNA M
ROCKWELL, MARGARET E
RODRIGUEZ, HELEN F
ROKS, RIET
ROSWALD, GERTRUDE M
RUBINSKY, SEYMOUR
RUSSO, STEVE N
SAGRAY, HAZEL N
SAMPSON, SHIRLEY M
SCHELL, EARLENE M
SCHUTTE, JAY V
SIERRA POINTE
SNOWDEN, THELMA
STOKSTAD, JEAN E
STRAZAR, ISABELL V
STRONG, MARILYN
TILTON, SUE S
TIREY-YOUNG, DONNA R
TRANGSRUD, CLAUDINE S
VALENTE, T
VARNI, JOHN F
VEGA, ERNEST C
VETTERLEIN, BARBARA D
WALKER, BARBARA M
WALL, MARTIN
WHITEHEAD, ELIZABETH P
WIKSTROM, KRISTEEN J
WILLIAMS, PHYLLIS E
YOUNG, KATHLEEN F

5170 AUTOZONE
DOLLAR TREE

5180 JALISCO FRESH GRILL

5181 BOULEVARD BISTRO
DENNY'S

7441 ARBOR VIEW MONTESSORI
ARBOR VIEW VETERINARY CLINIC

FOOTHILLS BLVD

2017

(Cont'd)

7441 JEFF SCHMIDT DVM
LEOS KITCHEN
REINVENT CLOTHING BOUTIQUE
TANGLES FOR KIDS

7451 GOWIRELESS VERIZON AUTHORIZED RETAIL
ITS A GRIND COFFEE HOUSE
LOS CABOS GRILL
MATHNASIUM
PIZZA GUYS
PRIMA BELLA NAIL SPA
ZEN MASSAGE CENTER

7452 BJ PLUMBING
KHOBKON THAI CUISINE
MATSUYAMA JAPANESE FUSION

7456 ANTHONYS TAILORING
BEACH HUT DELI
BRIAN RALLI DDS
CYNTIHIAS DANCE CENTER
EYE LEVEL OF ROSEVILLE
LI MASSAGE
LING RALLI DDS
LYONS & ASSOCIATES INC
PARKERS HOT DOGS OF SANTA CRUZ
SAVE ON CLEANERS
SKY SUSHI
SLEEK SALON
WOODCREEK DENTISTRY

7480 CAMPELLIS PIZZA
NATIONWIDE
SAME DAY HOME LOANS

7950 ALLENDER, GREG T
ANAST, FRED J
ASTORGA, NATALIE
AVALOS, MARJORIE M
AVELAR, ANNE
AYERS, DOUGLAS T
BODE, TATIANA B
BOSTICK, JACK
BUGADISAN, NESTOR J
CARIS, STEVEN M
CARTER, JOHN
CERVANTES, BLAKE
CHANCE, GARY W
CHANNELL, CARI L
CRANE, SANDRA K
DAVIS, ABIGAIL L
DEWEY, CARISSA
DIAZ, ALI
DYE, RYAN K
ESCOVER, SHIELA

FOOTHILLS BLVD

2017

(Cont'd)

7950 FOLTZ, ALISSA M
FORD, JEFF S
GANJI, NAGA
GERVAIS, EDWARD P
GONZALEZ, ASUNCION E
GOWER, MARK A
GREEN, KELLI T
HALL, CHRISTOPHER E
HAMILTON, DALE
HAMILTON, HELEN
HEINZ, MARQUE C
HENRY, KEVIN S
HERNANDEZ, A
HICKLE, ADRIENNE E
HUA, LUOXIN
HUGHES, JASON P
HUNKER, ROSALYND
HUTCHINGS, JIM B
JAIN, MUKESH
JENKINS, BRADLEY L
JONES, PAUL
JORDAN, JOHN
KANE, PATRICK
KAVANAGH, PATRICK J
KOISTINEN, PETER J
KULIKOVSKIY, SELENA
LANDRY, CRISTIAN
LAPPIN, KAMALA
LAROUCHE, DAN J
LIBBY, TINA L
LICO, JEREMY P
LITTLE, AUDREY M
LUNA, VICENTE C
MANGANDID, OSCAR A
MANLEY, TIMOTHY C
MARKS, KRISTI L
MARLOW, JOSHUA E
MARTIN, SCOTT A
MAY, CARL S
MCCLAIN, DAVID M
MCKINNEY, SUE S
MCKINNEY, TRICIA S
MENESES, LINDA
MENZIES, STEPHEN W
MIEHLE, ETHAN
MORGUN, DANIEL
MOSTAJO, ANTHONY
MOTAMARRI, RAVI
MURPHY, JOHN E
MURRAY, KRISTIN M

FOOTHILLS BLVD 2017 (Cont'd)

7950 NEAL, LISA K
 NEMTUR, AAMANI
 ORTIZ, MELISSA
 PALETTA, RONALD U
 PAPP, AMY
 PARK, MICHAEL
 PATTON, MARK R
 PHAM, QUOC T
 REYNOLDS, CHELSEA L
 RIVERA, CHRISTINE E
 ROBERTS, YVONNE Y
 ROBERTSON, QUENTON
 ROSS, STEVEN A
 SAMBHARE, SUYASH
 SHILLING, JANICE C
 SIDORI, COLLIN
 SILVEIRA, SYNTHIA L
 SMOOT, JACOB
 SPEED, ORMAN L
 STUESSY, FRED G
 SYEDA, SALMA
 TAYLOR, JASON E
 THE BRIDGES AT WOODCREEK OAKS
 THOMAS, KEITH
 THOMPSON, KATHERINE K
 TIMOTEO, DIANA L
 TSANG, KAREN
 VADNAIS, KEVIN B
 VALLEE, ISAAC P
 VILLAGOMEZ, JOHN M
 WADE, NINA
 WALBERG, TOMAS H
 WESTPHAL, JESSICA
 WESTPHAL, JOHN F
 WHYTE, EAMONN M
 WILCOXEN, VINCENT O
 WILLIAMSON, JONATHAN E
 WINFREY, DARYL R
 WOMACK, GAYE D
 WRIGHT, VERLA S
 WULFESTIEG, JOHN C
 WYCOFF, TRAVIS
 ZHABYNETS, OLGA

8000 HEWLETTPACKARD
 HP SOLAR

9001 ALLIANCE INVESTMENT GROUP
 CAPITOL INVESTMENT GROUP
 CAPITOL LENDING & INVESTMENT GROUP
 COGGINS LAW PC
 EAGLE ROOFING PRODUCTS

FOOTHILLS BLVD

2017

(Cont'd)

9001 PRIDE INDUSTRIES STAND ALONE M
 SURVEYORS GROUP INC
 THE TAX OFFICE INC
 9063 ARROW REALTY
 PORTLAND MECHANICAL
 SPANDOW & ASSOCIATES
 VBM INC
 9067 BUSINESS REPLICATION & PRINT INC
 TANAKA RANDALL LAW OFFICE
 9071 ALLSTATE
 APPSOLUTE SERVICE
 CARLSON ACCOUNTING & FINANCIAL SERVI
 DIVERSE NETWORK ASSOCIATE
 KATHLEEN MCCONNELL INS
 RE MAX
 TITAN TECHNOLOGIES GROUP
 9075 CMA CONSULTING
 NATIONAL TENANT NETWORK
 9077 MIDAS
 MITSUKOS CAFE & DELI
 ROSEVILLE FUEL PLAZA
 SMOG IN
 SMOG1
 9081 ANCHOR FINANCIAL
 HARRIS, S H
 HINTON, GINA
 9083 ARROW REALTY
 BLUE NORTHERN BUILDERS
 TOPIA INC
 9085 COOL TOUCH CORP
 NEW STAR LASERS INC
 9087 FITNESS MD
 OLYMPIC STONE
 PLACER TITLE
 9089 ALPHAGRAPHS
 ARROW REALTY
 9151 7ELEVEN
 REDBOX
 SHELL
 9801 WAN LAN SOLUTIONS INC
 10012 DUNN ORTHODONTICS
 MARC DDS DUNN MS
 10014 ARBOR VIEW DENTAL GROUP
 10015 C & C NORTH AMERICA
 MASTERTILE
 10016 GRANITE CREEK REALTY
 MYOTONIC DYSTROPHY FOUNDATION
 SEATS & STATION INC
 10020 BAYSIDE OF WEST ROSEVILLE CHURCH
 10030 PRIDE INDUSTRIES

FOOTHILLS BLVD

2017

(Cont'd)

10101 HIGH LIGHT AVIATION VIDEO MAGAZINE
PASCO SCIENTIFIC

DRAFT

FOOTHILLS BLVD 2014

1065 ESQUIVEL, JUAN G
 2995 STATE FARM INSURANCE
 STATE FARM OPERATIONS CENTER
 3001 CHEVRON STATION ROSEVILLE
 3031 EPIC NETWORK CENTER
 FOOD WINE FOOD & LIQUOR
 GREGORY JEANETTE
 J B ORIENTAL INC
 K NAILS
 QUIZNOS
 SHEAR REFLECTIONS
 TAQUERIA LOS ALTOS
 TRANS TAE KWON DO TODAY
 WIRELESS PLANET
 3981 CHECK N GO
 OCCUPANT UNKNOWN,
 PANDA EXPRESS
 3985 BIRD & PET CLINIC OF ROSEVILLE
 3989 MERRYHILL SCHOOL
 MOUNTAIN MIKES PIZZA
 3992 CHILDRENS DENTAL CARE
 CRYSTAL NAILS & DAY SPAS
 DRAGONSTAR MARTIAL ARTS
 FORWARD SIGNS
 INDIA SUPER MARKET
 K9 SPA
 MIRACULOUS MASSAGE
 3993 OREILLY AUTO PARTS
 3994 MCDONALDS
 3998 FOOTHILLS SHELL FOODMART
 NAKASH ENTERPRISES
 4000 ALMASSY RICHARD A DDS INC
 RIVER CITY BANK
 STARBUCKS COFFEE COFFEE COMPANY
 4002 CARLS JR
 4004 RITE AID
 4005 JAMES E JOHN CONSTRUCTION
 4006 DONNAS NAILS
 EL AZTECA TAQUERIA
 LEES JEWELERS
 NELSON, JENNIFER
 PANDA
 ROSEVILLE GREAT CUTS
 4008 BELAIR SUPERMARKETS
 LIBERTY FREIGHT COMPANY
 4010 BOYD, LISA
 DELEON, ANTHONY
 DINGER CRAIG DVM
 FOOTHILLS HEARING AID CENTER
 GOODWILL

FOOTHILLS BLVD

2014

(Cont'd)

4010 HAIR BY HOSH
 HILTON, SHAUN
 I LOVE TERIYAKI
 NAIL MODE
 POSTALANNEX+
 RAINBOW CLEANERS
 ROUND TABLE PIZZA
 SALON DU SOLEIL
 SISTERS MASSAGE
 SMITH, TOMMY R
 SOUTH PLACER APPRAISAL SERVICES
 SUBWAY SANDWICHES
 4012 BANK OF AMERICA
 4014 CLUSSERATH GARY P
 FOOTHILLS DONUTS
 MILLER DOUGLAS DMD
 PHIPPS MARK DDS
 ROSEVILLE FAMILY DENTAL CARE
 5002 TACO BELL
 5003 BOSTON MARKET
 5005 KAZOKU
 ORIGINAL PETES PIZZA PASTA & GRILL
 STUDIO 4 HAIR & NAILS
 5007 WELLS FARGO BANK
 5015 BROCKWAY HAIR DESIGN
 CAFE AMERICANO
 CROWN CLEANERS
 P THREE PARTY PLACE
 5020 BASKINROBBINS
 PAPA MURPHYS PIZZA
 5040 GISELLES TRAVEL
 PATELCO CREDIT UNION
 5070 FOOTHILL DENTAL PRACTICE
 LATHAM ALLEN DDS
 LATHAM PHILIP DDS
 TALBOT RICHARD D DMD
 TALBOT, RICHARD
 TOP TEN NAILS
 5080 BAINS S K OD
 BUSH FAMILY CHIROPRACTIC
 DOONANS BARBER SHOP & STYLING
 FOOTHILLS OPTOMETRY
 JUNGS MARTIAL ARTS
 LOUIE GERALD OD
 5098 1 24 HOUR LOCKSMITH
 1 EMERGENCY LOCKSMITH
 1 FULL SERVICE 24 7 LOCKSMITH
 24 7 EMERGENCY LOCKSMITH
 24 7 LOCKSMITH
 24 HOUR LOCK LOCKSMITH

FOOTHILLS BLVD

2014

(Cont'd)

5098 24 HOUR LOCKSMITH
 7 24 LOCKSMITH SERVICE
 7 DAY LOCKSMITH SERVICE
 BARRY, CAROL L
 BOYD, KENNETH R
 CAPITOL LEGAL INVESTIGATIONS
 CHINN, DENNIS M
 CHRISTY, THOMAS M
 DEMARCO, M A
 DEVEAU, DON
 EMERGENCY LOCKSMITH
 FINKEL, DAVID J
 FIRST 24 HOUR LOCKSMITH
 GOLDTHORPE, ELIZABETH H
 GRKOVIC, VLADIMIR
 HIRAS, NIRANJAN U
 KUHN, DARLENE D
 LOCKS LOCKSMITH SERVICE
 LOCKSMITH
 LOCKSMITH SERVICE
 LOCMELE-BANERJEE, AGNESE
 MERCHANDISING SOLUTIONS
 MESA, RANDALL D
 MINASIAN, TINA V
 NUNES, DUSTIN L
 ONE TWO THREE TWENTY FOUR SEVEN LOCK
 PIMPIN IRON INC
 PRICE, LEANNE M
 RADFORD, GARTH
 REED, MICHAEL S
 REHWALD, ROGER M
 ROSEVILLE CLEANERS
 S & S APPLIANCE REPAIR
 TERIYAKI TO GO
 THE UPS STORE
 TOGOS
 TRINITY INNOVATIONS INC
 TWENTY MINUTES LOCKSMITH SERVICE
 WINGER, RICHARD J
 WONG, JOEY S
 ZERO ZERO ONE EMERGENCY LOCKSMITH
 ZERO ZERO SEVEN TWENTY FOUR HOUR LOC
 5121 BURGER KING
 5130 KFC
 KFC A&W ROSEVILLE
 5131 ACTIVE CARE PHYSICAL THERAPY
 GREAT CLIPS
 LILY NAILS
 5140 ADVANCE AMERICA CASH ADVANCE
 ROSATIS PIZZA

FOOTHILLS BLVD

2014

(Cont'd)

5140 SMART STOP LIQUOR
SMOKERS HAVEN
THE BEACH HUT DELI
5141 KINDERCARE
5150 JACK IN THE BOX
5161 ARMITAGE, LUCILLE P
BARRON, SUSAN
BENNETT, JOY C
BIGELOW, BARBARA
BOERMAN, ELIZABETH J
BRANCH, ROBERT A
BROWN, CYNTHIA
BUONCRISTIANI, RICHARD M
BUSH, MARY J
CARR, DREX
CLIFTON, JEREMY
COE, KATHERINE L
CORNWELL, ROY S
COUGHANOUR, MARJORY M
COUPER, JACQUELINE M
DALLAS, KENNETH C
DESPINOY, GERALDINE R
DEWEY, HAROLD C
DOYAL, LISA
DUNKS, HENRI J
ERIC, NICHOLLS C
FOCKLER, BETTY
FOLEY, DOLORES J
FOSTER, HELEN P
FRANKLIN, ALICE
GOLDBERG, BENJAMIN E
GOLDMAN, HERBERT S
GORDON, EUGENE E
HANNAGAN, BETTY L
HOLGATE, O
HUBER, EUGENE C
HUGHEY, RICHARD K
ISAEFF, BURIS I
JOHNS, MERVYN R
JOHNSON, DELLA
LAMB, LORRAINE A
LAMB, WILLIAM
LAWRY, LORAYNE C
LINDSEY, MABEL N
LYONS, T C
MARZINZIK, JOHN W
MAULDIN, RALPH E
MCCONVILLE, ANN S
MCKINNON, RALPH
MONTGOMERY, MARGUERITE R

FOOTHILLS BLVD 2014 (Cont'd)

5161 MOON, EVELYN D
 MOORE, IRENE B
 MORRIS, ALICE
 MOUNTS, JOAN M
 MYERS, DIANE M
 NEIBRIEF, LOUIS
 NICHOLLS, ERIC C
 PALMER, KARL V
 PERSON, WES
 PICKENS, WILLIAM G
 PIERSON, JANET
 PIGNATARO, SUSAN
 RICHARDS, MARY
 RITTER, DORIS B
 ROSWALD, GERTRUDE M
 RUDEN, BETH
 SAGRAY, HAZEL N
 SAMPSON, SHIRLEY M
 SAVAGE, DOUG
 SCHELL, EARLENE M
 SCHUTTE, JAY V
 SEARS, CHARLES
 SHAFFER, JOYCE D
 SIERRA POINTE VINTAGE SENIOR LIVING
 STOKSTAD, JEAN E
 STRAZAR, ISABELL V
 STRONG, MARILYN
 TAYLOR, REGINA H
 TERRY, BARBARA J
 VALENTE, T
 VANDERBORGHT, WILLIAM J
 VEGA, ERNEST C
 WAGNER, WILLIAM
 WALL, MARTIN
 WIKSTROM, KRISTEEN J
 WILLENDRUP, ROXIE
 ZOLLER, ARTHUR J
 5170 AUTOZONE
 DOLLAR TREE
 5171 MILLER, BARBARA
 5180 CHASE
 CHASE BANK
 JALISCO FRESH GRILL
 5181 BOULEVARD BISTRO
 5230 DIAMOND PLATE BAR & GRILL
 5410 THREADED BEAUTY SPA & SALON
 7441 ARBOR VIEW MONTESSORI
 ARBOR VIEW VETERINARY CLINIC
 LEOS KITCHEN
 MILOS GREEK FOOD

FOOTHILLS BLVD

2014

(Cont'd)

7441 TANGLES FOR KIDS
 7451 LOS CABOS GRILL
 MATHNASIUM
 PIPELINE COFFEE HOUSE THE
 PIZZA GUYS
 VZW AT GO WIRELESS ROSEVILLE
 ZEN SPA
 7452 KHOBKOOK THAI CUISINE
 PHO VIETNAM NOODLE RESTAURANT
 7456 ANTHONYS TAILORING
 BEACH HUT DELI
 CYNTHIAS DANCE CENTER
 EYE LEVEL OF ROSEVILLE
 GISELAS HAIR DESIGN
 LYON & ASSOCIATES REALTORS
 LYON REAL ESTATE
 PARKERS HOT DOGS OF SANTA CRUZ
 RALLI BRIAN DDS
 RALLI LING DDS
 SAVE ON CLEANERS
 SKY SUSHI
 WNCI MASSAGE
 WOODCREEK DENTISTRY
 7480 CAMPELLIS PIZZA
 NATIONWIDE
 NATIONWIDE INSURANCE DAVID BENNETT
 7501 TELEFUNKEN SEMICONDUCTORS INC
 7950 ADKINS, KEVIN
 ALLENDER, GREG T
 ANHAISER, DARLA J
 ARMENTA, ISIDORO Y
 BARTLEY, GEORGE R
 BEALL, WILLIAM J
 BELL, JEFF A
 BLACKBURN, ROBIN C
 BOLAN, RYAN P
 BOORAS, ALEX J
 BOWSER, JUSTIN A
 BRIDGES AT WOODCREEK OAKS THE
 BROADHURST, LUCAS
 BUGADISAN, NESTOR J
 BURR, TONI J
 CAMPANILE, SRAY
 CARTER, JOHN
 CHAKRIN, ALLISON
 CHALLA, GAYATRI
 CLARK, DAVID J
 CLARK, DIONE
 COOK, JESSICA N
 COON, KEVIN A

FOOTHILLS BLVD

2014

(Cont'd)

7950 CORNELISON, CINDIE
CROOK, JADE E
DAVIS, ABIGAIL L
DILLEN, ANDRES
EDWARDS, KATIE K
ELLIOTT, NICHOLAS R
ELLIS, DIANE L
ERICKSON, KEITH A
FEENSTRA, RYAN B
FERN, MATTHEW A
FISHER, STEPHEN E
FLETCHER, JASON R
FOLTZ, ALISSA M
FRAZIER, JILL M
FREELAND, EILEEN
GARCIA, ANITA H
GARDNER, FORREST G
GETTY, MICHAEL R
GOOD, CHARLES
GUARAV, RAJ
GULLAPALLI, RAMANJANEYULU
HAMILTON, DALE
HANSEN, RICK D
HENSHALL, DEBORAH A
IBARRA, JAVIER P
IMHOFF, KRISTEN
JANICE, SHILLING
JANZEN, JONATHAN L
JENKINS, BRADLEY L
JOSEPH, STANLEY A
KELLOGG, KARLENA L
KENNEDY, MELISSA A
KOLANSKY, JOSH A
KRISHNAWAT, ARVIND
KUMAR, ABHISHEK
LAKHANI, MURTUZA A
LAPPIN, KAMALA
LAWSON, ERIK
LEACH, PAUL H
LECHMAN, GARY
LESHER, HANK L
LIBBY-NICHELS, TINA
LIRIO, RAMON S
LIU, PATRICK
LUCHT, STEVEN K
MACKEY, LARRY
MAJID, KHAN
MARTIN, SCOTT A
MAY, CARL S
MCCAGUE, PATRICIA D

FOOTHILLS BLVD

2014

(Cont'd)

7950 MILAN, MARGIE T
MORGAN, PAUL
MURPHY, DANA M
MURPHY, VLCKY A
NASH, MARK A
NIKITSCUK, LENA
OEHLCKE, JUSTIN D
PACK, CALVIN
PATTON, MARK R
PAULSEN, MARK
PIZZUTI, SABRINA P
PRADO, DEVERA
PRICE, DAVID J
PUCCINI, TERRY M
RAKHUBA, JULIAN G
REED, DAVID E
RIVERA, RAYMOND L
ROSENTHAL, DAVID G
RZEMIENIAK, KRISTIAN
SACKS, LELAND
SAIMIHIR, DARLA
SALTIBAN, MONICA B
SANCHEZ, FRANK J
SATHYANARAYANA, SUMANTH M
SAYYAH, STELLA
SCOTT, COLIN
SELVIG, THERESA A
SIDORI, COLLIN
SILVEIRA, SYNTHIA L
SOLBOS, STEPHANIE
SOLDEN, JEFFREY A
SPRUELL, CORY
STRICKLIN, DAMON R
SWEENEY, HOWARD J
TAYLOR, SCOTT
THRUELSEN, ERIK
TRACY, STEPHEN H
TUCKER, CARRIE
VADNAIS, KEVIN B
VARADARAJAN, SRINIVASAN T
VARELA, MARLON
VERCELES, PEDRO M
WALBERG, TOMAS H
WATERMAN, BRITTANY J
WEHRLY, T
WENGER, VAL
WESTPHAL, JOHN F
WILSON, BARRY G
WINCHELL, MORGANN
WINFREY, DARYL R

FOOTHILLS BLVD

2014

(Cont'd)

7950 WOOCHEONG, CHEONG
 8000 HEWLETPACKARD
 9001 CAPITOL INVESTMENT GROUP
 CAPITOL LENDING & INVESTMENTS GROUP
 EAGLE ROOFING PRODUCTS
 SURVEYORS GROUP INC
 TAX OFFICE INC THE
 9063 ARROW REAL ESTATE
 CHURCH OF SCIENCETOLOGY MISSION OF R
 ME SYSTEMS ENGINEERING
 PORTLAND MECHANICAL
 SPANDOW & ASSOCIATES
 VBM INC
 9067 TANAKA RANDALL LAW OFFICE OF
 9071 ABSOLUTE SERVICE
 ALLSTATE
 CARLSON ACCOUNTING & FINANCIAL SERVI
 MCCONNELL KATHLEEN INS
 MODAS ASSOCIATES & INSURANCE SERVIC
 RE MAX
 9075 CMA CONSULTING
 FRONTIER ELECTRICAL
 MYERSSTEVENS & TOOHEY CO INC
 NATIONAL TENANT NETWORK
 9077 MITSUKOS CAFE & DELI
 ROSEVILLE FUEL PLAZA
 SMOG1
 9081 ANCHOR FINANCIAL
 9083 EWING, MEL
 9085 COOL TOUCH CORP
 NEW STAR LASERS INC
 PULSAR ENVIRONMENTAL
 9087 FITNESS MD
 ROSEVILLE WEST COAST MARTIAL ARTS
 9089 ALPHAGRAPHS
 ARROW REALTY
 RETAIL DESIGN ASSOCIATES
 9151 BLUE OAK SHELL
 10002 EXPRESS EMPLOYMENT PROFESSIONALS
 10012 DUNN MARC DDS MS
 10015 MASTERTILE
 10016 SEATS & STATIONS INC
 10020 BAYSIDE OF WEST ROSEVILLE CHURCH
 10101 HIGH LIGHT AVIATION VIDEO MAGAZINE
 PASCO SCIENTIFIC

FOOTHILLS BLVD 2010

1011 ALL SIZE STORAGE
 2233 KENNETH A SANTUCCI CONSTR CO
 2995 STATE FARM INSURANCE
 3001 ROSEVILLE CHEVRON
 3031 CARNICERIA XOTETINGO
 FACCHINO PHOTOGRAPHY
 FINE WINE FOOD & LIQUOR
 J B ORIENTAL INC
 K NAILS
 QUIZNOS
 SHEAR REFLECTIONS
 3981 OCCUPANT UNKNOWN,
 PANDA EXPRESS
 3985 BIRD & PET CLINIC OF ROSEVILLE
 3989 DRAGONSTAR MARTIAL ARTS
 MOUNTAIN MIKES PIZZA
 3992 CHILDRENS DENTAL CARE
 CRYSTAL NAILS & DAY SPAS
 EMBROID ME
 INDIA SUPER MARKET
 ROSEVILLE CITY NAILS
 ROSEVILLE DANCEBALLROOM LATIN
 SSV INC
 WITHROW PRINT PRODUCTION
 3993 KRAGEN AUTO PARTS
 3994 MC DONALDS
 3998 NAKASH ENTERPRISES
 3999 WALGREENS
 4000 A PLUS DENTAL
 DRY CLEAN TODAY
 PERSONALIZED DENTAL CARE
 RIVER CITY BANK
 4001 STARBUCKS
 4002 CARLS JR
 4004 RITE AID
 4006 EL AZTECA TAQUERIA
 HAIR MASTERS
 HO, DONNA
 LEES JEWELERS
 PANDA RESTAURANT
 TRENDY NAILS
 4008 BEL AIR SUPERMARKETS
 BEL AIR SUPERMARKETSDRUG CTR
 LIBERTY FREIGHT CO
 4010 2ND CHANCE LAPTOPS
 ARREDONDO, GEORGE
 COLLIAU, RUSELL W
 FOOTHILLS HEARING AID CTR
 GROCERS INSURANCE GROUP INC
 I LOVE TERIYAKI

FOOTHILLS BLVD

2010

(Cont'd)

4010 KRYSTAL CLEAN HOUSE CLEANING
 MOLD DETECTIVES
 NAILS MODE
 POSTAL ANNEX
 RAINBOW CLEANERS
 ROUND TABLE PIZZA
 SALON DU SOLEIL
 SUBWAY
 WEST COAST CASUALTY SVC INC
 WESTBRIDGE CHURCH
 4012 BANK OF AMERICA
 THOMPSON & BROWN REAL ESTATE
 4014 FAMILY DENTAL PRACTICE
 FOOTHILLS DONUTS
 5000 HABERSOFT CAFE
 5001 CALIFORNIA FAMILY FITNESS
 POWER STOP CAFE
 5002 TACO BELL
 5003 BOSTON MARKET
 5005 BLOCKBUSTER VIDEO
 KOZOKU TERIYAKI & MORE
 PETES ORIGINAL PIZZA PASTA
 5007 WACHOVIA BANK
 WACHOVIA MORTGAGE CORP
 5015 BROCKWAY HAIR DESIGN
 CROWN CLEANERS
 WONDERFUL III TOO
 5020 BASKINROBBINS
 HOLLYWOOD VIDEO
 PAPA MURPHYS TAKE N BAKE
 5030 DIAMOND PLATE BAR & GRILL
 5040 PATELCO CREDIT UNION
 5060 SAVE MART
 SAVE MART PHARMACY
 5070 FOOTHILL DENTAL PRACTICE
 RICHARD D TALBOT INC
 TALBOT, RICHARD
 TOP TEN NAILS
 5080 BUSH FAMILY CHIROPRACTIC
 FOOTHILLS OPTOMETRY
 STEVES PIZZA
 5090 CVS PHARMACY
 5096 BOKEKO, CHRISTOPHER L
 5098 ADJUTECH COMPUTER CONSULTING
 ADKINS, JAMES
 ALL TRAFFIC DATA
 ASAP HOME APPRAISALS INC
 BOYD, KENNETH R
 CHAND, PRAVEEN
 COLTER, CHRISTOPHER J

FOOTHILLS BLVD

2010

(Cont'd)

5098 COOK, GARY
 CORNERSTONE INVESTIGATIONS GRP
 DAN ALLEN PREPAID LEGAL SVC
 DITO, DANIEL P
 EAGLE, DOUGLAS E
 ELAINE WEBB FINANCIAL
 FONTI, ANDREW
 FOX ENTERPRISES LLC
 GRABAR, BILL
 JEFFREYS LOCK & KEY
 KENMAR INSTRUMENTATION SVC LLC
 MARK S COPELAND & ASSOC
 MARRIAGE MINISTER
 MERCHANDISING SOLUTIONS
 NICAISE, STEVEN B
 NORTHERN & CENTRAL CALIFORNIA
 NORTHERN CALIFORNIA OVERHEAD
 ONLINE FULFILLMENT CORP
 PRIORITY CARPET & TILE
 PRIVATE FINANCIAL SOLUTIONS
 REVERSE MORTGAGES
 ROSEVILLE CLEANERS
 RUPERT ELECTRIC
 RUSSELL PLUMBING
 S & S APPLIANCE REPAIR
 SIERRA CAL SYSTEMS
 SNYDER, ROBERT W
 SOLID DRYWALL
 TERIYAKI TO GO
 TOGOS
 TROYS POOL CARE & REPAIR
 UPS STORE
 WALKER, STEPHANIE D
 WONG, JOEY S
 ZIC, DAVID
 5110 BACK BASICS
 GOLDS GYM
 VIBE MASSAGE & SPA
 5121 BURGER KING
 5130 A&W ALLAMERICAN FOOD
 KFC
 5131 ACTIVE CARE PHYSICAL THERAPY
 GREAT CLIPS
 LILY NAILS
 MR PICKLES SANDWICH SHOP
 PAPA JOHNS PIZZA
 5140 ADVANCE AMERICA
 BEACH HUT DELI
 COSMO NAILS
 ROSATIS PIZZA

FOOTHILLS BLVD 2010 (Cont'd)

5140 SMART STOP LIQUOR
SMOKERS HAVEN
5141 KINDER CARE LEARNING CTR
5161 AILMAN, HARRY B
BACHMANN, WINNIE H
BECHTEL, ARNOLD J
BENDEL, HILDEGARD A
BIGELOW, BARBARA
BILLINGS, WILLIAM J
BUNKE, EDWARD H
BURROUGHS, BARBARA P
CARR, DREX
DOMOTO, LARRY
DUNKS, HENRI J
FITZPATRICK, SYLVIA E
FOSTER, JAMES R
GARCIA, MARY E
GERBER, LESLIE D
GOIN, STEPHEN P
GRAAF, ANITA A
HANNAGAN, ROBERT H
HARDT, BETTY A
HARRIS, DAVID K
HICKOK, DAVID M
HUNTER, FRANCIS M
JOHNS, MERVYN R
KOCH, DOROTHY C
LAMB, LORRAINE
LAZARUS, EMILY
LILLROTH, ELVA W
LOVLIN, ELAINE H
LUND, BILL
MARZINZIK, JOHN W
MILLER, BARBARA M
MOLOF, JEROME J
MOON, EVELYN D
MOUNTS, JOAN M
NEIBRIEF, LOUIS
OLSON, NELLRAE D
OSBORNE, MARGARET V
PHILLIPS, MARY T
PIERCE, ETHELWYNNE G
POLLO, NEIL
POPE, P
RENAISSANCE AT SIERRA POINTE
ROBERONTA, CYRIE R
ROBERTS, MARGARET J
ROSWALD, ROBERT H
RYLAND, IDA M
SHAFFER, JOYCE D

FOOTHILLS BLVD

2010

(Cont'd)

5161 SHODEEN, LORRAINE
 SIERRA POINTE
 SILVESTRI, FRANCES E
 SNYDER, CHARLES G
 STRAZAR, FRANK G
 TAYLOR, REGINA H
 VELA, ALBERT R
 WALLACE, ASHLEY
 WORTH, MILDRED L
 5170 AUTOZONE
 DOLLAR TREE
 5180 CHASE
 JALISCO FRESH GRILL
 5181 TECH NET
 7441 ARBOR VIEW MONTESSORI
 ARBOR VIEW VETERINARY CLINIC
 CRISOLOGO, ERNEST B
 CRISOLOGO, JENNIFER L
 LOOMPYA RESTAURANT
 MAX HEALTH ENTERPRISE
 MUD TO SUDS
 TANGLES FOR KIDS
 7451 GOWIRELESS
 LOS CABOS GRILL
 MATHNASIUM LEARNING CTR
 PIZZA GUYS
 PRIMA BELLA NAIL SPA
 ZEN MASSAGE
 7452 CHAAT CAFE INDIAN CUISINE
 KHOBKOOK THAI CUISINE
 7456 ANTHONYS TAILORING
 H&R BLOCK
 JUST MATH LEARNING CTR
 LYON REAL ESTATE
 OCCASION SALON
 PARKERS HOT DOGSSANTA CRUZ
 ROBINSONS TAEKWONDO
 SAVE ON CLEANERS
 SKY SUSHI
 SLEEK SALON
 TRAVELSTORE
 WOODCREEK DENTISTRY
 7480 CAMPELLIS PIZZA
 7501 NEC ELECTRONICS AMERICA
 PERFORMANCE CONTRACTING
 7950 ABBAS, MOHAMED S
 ALLENDER, GREGORY T
 ANDERSON, KEVIN K
 BARRON, ED A
 BARTHLOW, BARRY L

FOOTHILLS BLVD 2010 (Cont'd)

7950 BORROMEO, VIRGILIA B
BREWER, ABIGAIL N
BRIDGES AT WOODCREEK OAKS
BROWN, TIARA
BURLEY, ROBERT N
CABALLERO, FIANA
CACHOPO, CHARLENE A
CAMPBELL, JARED
CARTER, JOHN
CHURSENOFF, MICHAEL A
COSICK, KIMBER L
COUGHTRY, ELIZABETH J
COWGILL, CURTIS C
CROOK, JADE E
CURTZ, KEITH J
DAGAN, AMBRA
DAVIS, KELSEY
EDMONDS, MICHELLE
ELLIOTT, STEVEN M
ENGLEHART, AMANDA
ERKINTALO, STEPHEN
FARLAND, MICHAEL
FELDMAN, MAX
FIEBELKORN, IRENE J
GARDNER, FORREST G
GENOVA, SONYA K
GETTY, MICHAEL R
GOLD, CHRISTINE
GROS, COLLEEN M
HA, JENNY
HEINZ, MARQUE H
HENRY, KEVIN S
KARAMI, FIROOZEH
KOZAK, OKSANA
KRISHNAMACHARI, VISHNU V
LAMBERT, KATHLEEN
LEONHARDT, ANNE
LIBBY-NICHELS, TINA
LUNA, MITCH
LUNA, VICENTE C
MALOVICH, WILL J
MAY, CARL S
MCCULLOM, RAYMOND L
MENZIES, STEPHEN W
MOODY, JEFF B
MUHAMMAD, SHAHABUDDIN
MUSGRAVE, JASON
NIKITSCUK, LENA
OATES, PHYLLIS A
OLIN, NIKI L

FOOTHILLS BLVD 2010 (Cont'd)

7950 PARISI, JENNA
 PARK, KELLY
 PATTON, MARK R
 PEATMAN, CHRISTINA M
 PERES, DENISE E
 PERRY, AUDREY L
 PHIPPS, THOMAS
 PRABHU, RESHMA
 PUCCINI, TERRY M
 RAMIREZ, STEPFAN M
 ROUSAN, MUHAMMED
 SANDERS, AMI
 SANDOVAL, MEAGAN
 SAPP, RYAN M
 SENA, MARY A
 SMITH, RICK
 SPRUELL, CORY
 STANNARD, JUTTA N
 STARK, JAN A
 STRICKLER, JONA
 TACORDA, ROSALIE C
 TENG, BILL
 TIRUMALA, KANISHKIA
 TUMAN, AMIE
 VADNAIS, KEVIN B
 VERCELES, MARK A
 WATSON, SHELDON M
 WESTPHAL, JOHN F
 WILSON, RYAN
 YOUNG, EARLYN
 8000 H P EMPLOYEES FED CREDIT UNION
 HEWLETTPACKARD
 9001 ALLIANCE FINANCIAL
 DOUCET & ASSOC INC
 EAGLE ROOFING PRODUCTS
 LTC CONSULTING ASSOC
 Q B DOCTOR
 SACRAMENTO VALLEY PEST CONTROL
 SURVEYORS GROUP INC
 TAX OFFICE INC
 9063 M E SYSTEMS ENGINEERING
 9067 BRANNER, DON
 STATHEM ENTERPRISES
 9071 MCCONNELL KATHLEEN INSURANCE
 MODAS ASSOCIATES & INS SVC
 TRI STAR FINANCIAL SVC
 9075 CMA CONSULTING
 NATIONAL TENANT NETWORK
 9077 GAME DAY CAFE & DELI
 MIDAS AUTO SVC EXPERTS

FOOTHILLS BLVD 2010 (Cont'd)

- 9077 TRINITY TRANSPORT INC
- 9081 ANCHOR FINANCIAL
CODE SAVANTS
- 9083 ROPIA INC
- 9085 COOL TOUCH INC
- 9087 APPLIED OFFICE SOLUTIONS INC
FLIP 2 IT SPORTS CTR
ROSEVILLE WEST COAST MARTIAL
- 9089 ALPHA GRAPHICS
ALPHA GRAPHICS DESIGN COPY
ARROW REALTY
CALIFORNIA PRO COMMERCIAL INS
CALPRO INSURANCE
METRO CALVARY OUTREACH
- 9151 BLUE OAK SHELL
- 9801 WAN LAN SOLUTIONS INC
- 10012 DUNN MARC DDS
- 10016 CYBERTARY INC
SEATS & STATIONS INC
- 10020 WAREHOUSE CHRISTIAN MINISTRIES
- 10030 PRIDE INDUSTRIES
- 10031 UNION PACIFIC RAILROAD CO

DRAFT

FOOTHILLS BLVD 2005

198 KENT, MARILYN
 2995 STATE FARM
 3001 ROSEVILLE CHEVRON
 3992 CHILDRENS DENTAL CARE
 CORNERSTONE MORTGAGE CORP
 EMBROID ME
 ENCOURAGYM OF ROSEVILLE
 HELP U SELL OF ROSEVILLE
 HELP U SELL ROSEVILLE
 LOW CARB CONNECTION
 ROSEVILLE NAILS
 SILVER DOLLAR STORE
 THE CORNERSTONE GROUP LLC
 ZION NETWORK CENTER
 3993 KRAGEN AUTO PARTS
 3999 WALGREENS
 WALGREENS PHARMACY # 5501
 4000 ALMASSY RICHARD A DDS
 DRY CLEAN TODAY
 STARBUCKS COFFEE
 4001 STARBUCKS
 4004 RITE AID EXPRESS 1 HOUR PHOTO
 RITE AID PHARMACIES
 4005 RITE AID PHARMACY
 4006 ALL BOOKED UP
 AMERICAN HAIR FORCE
 AZTECA, TAQUERIA E
 DONNAS NAILS
 EL AZTECA TAQUERIA
 HAIR MASTERS
 ROSCATERING
 4008 BEL AIR MARKET PHARMACY # 512
 BEL AIR SUPERMARKETS
 4010 FOOTHILLS HEARING AID CENTER
 FOOTHILLS SUBWAY
 JULIE BOWEN
 RAINBOW CLEANERS CORP
 ROUND TABLE PIZZA
 STEVEN ELSEA DC INC
 SUBWAY SANDWICH & SALADS
 TROPICAL SMOOTHIE CAF
 VANDERLEUN, EUGENE Q
 4012 AT WIRELESS
 FACTORY DIRECT
 MORGAN CREEK REAL EST
 THOMPSON & BROWN INC
 WIRELESS
 4014 ELSEA CHIROPRACTIC INC
 ELSEA STEVEN DC
 FAMILY DENTAL PRACTICE OF ROSEVILLE

FOOTHILLS BLVD 2005 (Cont'd)

4014	SCHMIDT CHIROPRACTIC
4060	PANDA RESTAURANT
5001	CALIFORNIA FAMILY FITNESS
5002	TACO BELL STORE NO 16909
5003	BOSTON MARKET
5005	BLOCKBUSTER VIDEO
	BLOCKBUSTER VIDEO NORTHWEST REGIONAL
	KOZOKU TERIYAKI
	LOVELY NALLS
	PETES AH PIZZA INC
5007	GOLDEN WEST FINANCIAL CORP
	WORLD SAVINGS
5015	BROCKWAY HAIR DESIGN
	CROWN CLEANERS
	CYBER HEADQUARTERS
	PERRON PAUL R OD
	PERRON, PAUL R
	SPEEDWORLD 2 HBY CRFT TOYS GAM
	SPEEDWORLD 2 HOBBIES CRFT TOYS
	WONDERFUL III TOO
5020	BASKIN ROBBINS
	GAME CRAZY HOLLYWOOD VIDEO INC
	HOLLYWOOD VIDEO
	PAPA MURPHYS
	ROSEVILLE SUNRISE LIONS
5030	DIAMOND PLATE BAR & GRILL
5040	GLOBAL INC
	PATELCO CREDIT UNION
5060	ALBERTSONS SAVON
	LONGS DRUG 387
	RALPHS
	SAV ON DRUGS
5070	FOOTHILL DENTAL PRACTICE
	TALBOT, RICHARD
	TOP TEN NAILS
5080	ADVANCED FOOTHILLS OPTOMETRY
	BAINS S K OD
	BUSH NICK DC
	CALIFORNIA SUN CENTERS INC
	EXPRESS WIRELESS
	FOOTHILLS FAMILY CHIROPRACTIC
	FOOTHILLS OPTOMETRY GROUP
	WIRELESS 4 ALL
5090	LONGS DRUG PHARMACY
5096	BOKEKO, CHRISTOPHER L
5098	AFTER HOURS MOBILE NOTARY
	ALL TRAFFIC DATA
	ALLEN, DANIEL E
	AMERICAN SECURITY ALARM PROTECTION I
	ASSEMBLIES OF GOD NORTHERN CA

FOOTHILLS BLVD 2005 (Cont'd)

5098 BABIGIAN, MICHAEL D
 BIG MAC DADDYS IRISH PUB
 CAPITAL CITY ENTERPRISES INC
 DIVERSIFIED CAREER POTENTIAL
 EXCESS INVENTORY NETWORK
 FLEETWOOD MEDICAL INC
 FUTURE TECHNOLOGY
 HENNING, GARY W
 HERBS NOW
 HUSKY TERMITE SERVICES
 KLISTURIC, AFAN
 KOSMAK, LISA A
 KRAUSE, STEVE C
 LAW OFFICE OF BRIAN GANTMAN
 MARK S COPELAND & ASSOCIATES
 NAJERA, FRANK R
 ONLINE FULFILLMENT CORP
 PEOPLES CHRISTIAN CHURCH
 PLANET PEST PRODUCTS
 REDFORD, GARTH
 RESTORATIONS BY LISA ANN
 RIVER CITY ERECTORS INC
 RUBICON LANDSCAPING
 SHURLEY, GARY J
 SMASH EM PEST ELIMINATION
 SMITH, SHIRLEY F
 SO U REALLY WANT A KNOW
 SYNERGY ELECTRICAL ENTERPRISES INC
 SYSTEMS INTEGRATION SOLUTIONS INC
 TERIYAKI TO GO
 TMC PROPERTIES
 TURNER, TERI J
 UPS STORE THE
 UPSTAIRS ART & TECHNOLOGY ASSOCIATIO
 USA SWING
 VANWELLS INC
 VTORAK CO
 WEB SITE DESIGNER
 WHITE STAR CONSTRUCTION INC
 WYNNE, JANET

5110 GOLDS GYM ROSIVELLE
 5121 BURGER KING
 5131 BELLA ITALIA BISTRO & WINE
 BEVERLY ENTERPRISES CAL
 GREAT CLIPS FOR HAIR

5161 APATHY, FRANCIS
 BECHTEL, ARNOLD J
 BIGELOW, BARBARA
 BRUTVAN, L
 BUDGE, VERONA

FOOTHILLS BLVD

2005

(Cont'd)

5161 CARMAN, DOROTHY D
CAUSLEY, SHERWOOD J
CINO, JOSEPH
COE, KATHERINE L
DUFFY, M
DWYER, THOMAS W
ECONOMOU, HILDA M
FIERCE, JOY A
FISHER, HARRY L
FRENCH, LILLIAN
GOTTLIEB, EDITH S
GRASTY, LORENE P
HANSEN, LAURA O
HARRIGAN, VIRGIL B
HEDRICK, VERNA F
HEIL, RAY P
HOAG, RICHARD
HUSTON, GEORGIA S
JENNINGS, SHIRLEY M
JONES, LUVONE B
KANIESKI, CHERYL A
KETTLEHUT, ROY L
LAZARUS, EMILY
LILLROTH, ELVA W
LINDSEY, MABEL N
LUND, MABEL A
LYONS, T D
MATZGAR, STEVEN D
MCDONALD, PHYLLIS E
MCMILLAN, MERLE R
MOON, EVELYN D
MORESCO, HATTIE H
MYERS, MITCHELL W
NEIBRIEF, LOUIS
NICHOLS, ALLYN B
NIX, EULALA
PEARSON, STACEY
PECK, WUE E
PELZMAN, ANNE E
PERKINS, DON R
ROBERONTA, CYRIE R
ROCA, MIGUEL I
ROSS, VIRGINIA M
RYLAND, IDA M
SANTOSUOSSO, DORIS R
SAPPENFIELD, ROBERT W
SEXTON, MARTHA O
SMITH, LLOYD
SORIA, M
STOUGH, ANDREW J

FOOTHILLS BLVD

2005

(Cont'd)

5161 STRATTON, RICHARD O
 THOMPSON, ROBERT S
 VENEGAS, RODOLFO T
 VIOLA, PASQUALE F
 WAIT, ERWIN H
 WALLACE, MARY E
 WALLS, WANDA C
 WESTPHAL, JOHN C
 WILLIAMS, VIRGINIA E
 WORTH, MILDRED L
 WRIGHT, MATTHEW
 5181 BROOKFIELD RESTAURANT
 7452 CHAAT CAFE
 GREAT WRAPS
 7456 HOMAI FUSION CUISINE
 JAVA CAFE BLUE DIAMOND
 JUST MATH LEARNIG CENTERS
 LYON, A
 OCCASION NAILS
 PARKERS HOT DOGS OF SANTA CRUZ
 ROBINSONS TAEKWONDO
 SAVE ON CLEANERS
 SLEEK SALON
 WOODCREEK DENTISTRY
 7480 WESTERRA REALTY GROUP
 7501 APPLIED MATERIALS INC
 HELLWIG RAY L PLUMBING & HEATING CO
 K LINE AHNS CAFETERIA
 MANUFACTURING PLANT
 N E C ELECTRONICS INC
 7507 SASCO ELECTRIC
 7950 4 NEXUX ENTERPIRSES
 ANHAISER, DARLA
 BACHA, ANYS Y
 BAKER, JOANNE N
 BAKURAMUTSA, NKUBITO
 BARENZ, SEAN L
 BARTLEY, GEORGE R
 BLURTON, PATRICIA
 BOALT, DAVID C
 BRIDGES AT WOODCREEK OAKS
 BURLEY, JOANNE A
 CAMBA, RANDOLPH N
 CASEY, ADELL M
 CLARK, PAUL
 COMFORT, ROBERT A
 COOK, JANET R
 DAUGHERTY, JAMES E
 DEATHERAGE, CHARLES T
 DEVOLL, MISTY R

FOOTHILLS BLVD

2005

(Cont'd)

7950 DISALVO, JOHN
DORFMAN, KEN M
ECIJAN, ULYSESS Y
ELLIOTT, STEVEN M
ENNIS, LORI C
FENDER, CRAIG H
FOLTZ, ALISSA M
FOSTER, SHANTE
FOTHERINGHAM, MARK J
GARBERS, SHERRY A
GEORGE, ISAAC J
GIUDICE, MATTHEW V
GOMBERG, MICHAEL S
GRANADOS, EDGAR R
HANSON, DUANE
HARVANKA, KATHRYN A
HATTON, CHRIS
HEGDE, ASHWIN B
HERMAN, STACY M
HERNANDEZ, A
HITSMAN, OLIVIA L
HOLMES, SCOTT T
INGOLIA, ROBERT M
JACKSON, RONALD L
JARQUIN, RICKY
JIMENEZ, TANIA M
KRIKAVA, DENNIS
LAKHANI, MURTUZA A
LAKSHMINARAYAN, RAJESWARI
LAWSON, ERIK A
LESHER, HANK
LIGHTFOOT, LORRAINE D
MACK, D
MADDOX, ROSCOE
MADIGAN, JASON
MANN, BETTY J
MARQUETTE, BRANDON
MAY, CARL S
MCCARTNEY, WADE S
MEHTA, VINOD
MEJIA, JODY L
MENDEZ, RUBEN
MENESES, JULIE M
MILLER, ROBERT S
MORAGA, RENE
MUSGRAVE, JASON
NEXUX ENTERPRISES
NIHEN, JEROME M
ORR, DANIEL H
OSELSKYI, PAUL

FOOTHILLS BLVD 2005 (Cont'd)

7950 PALMERSTON, MARK
PHIPPS, THOMAS A
PICKENS, DAN
RAJKUMAR, DHINEKARAN
RAWSON, STEVEN J
REHA, DARREN F
RILEY, ROBERT K
ROACH, FRED T
ROBINSON, ANDREW M
RUIZ, ANN B
RUSSON, CHRISTY L
SHARMA, RITU
SHEPLEY, KAREN
SMITH, CANDICE
STANNARD, JUTTA
STEEPS, KEVIN
SULLIVAN, JOHN L
TAJAN, JAMIE G
THOLSTRUP, BILL M
WALBERG, TOMAS H
YOUNGER, EVAN M
7980 CUMMINGS, BILL C
8000 ADDISON AVENUE FED CREDIT UN
ADDISON AVENUE FINANCIAL PARTNERS IN
HEWLETT PACKARD
HEWLETT PACKARD DISTRIBUTION CENTER
KEMTAH GROUP INC
MARRIOTT INTERNATIONAL INC
PROCURVE NETWORKING BY HP
9001 ALLIANCE FINANCE
CAPITOL INVESTMENT GROUP
QBRESOURCE OF SACRAMENTO
SURVEYORS GROUP INC
TECH ED NETWORKS
9063 COMIA GREG INSURANCE AGENCY
FOOTHILL INSURANCE SERVICES INC
MCQUARRIE ASSOCIATES
TOGETHER WE PLAN
WRIGHT & ASSOCIATES
9067 BARTELL, C
BRANNER DON M ATTORNEY
9071 FOOTHILL MASSAGE THERAPY
RAMOS MARKETING GROUP INC
ROSE, STEVE
9075 AUTO BROKERS OF AMERICA
CMA CONSULTING
FEDSEC AMERICAS
KIISS
ROYAL PACIFIC AUTO BROKERS
9077 REFINERY THE

FOOTHILLS BLVD 2005 (Cont'd)

- 9077 ROSEVILLE FUEL PLAZA
ROSEVILLE KONKCO TRUCK WASH
THE REFINERY MOBILE DIVISION INC
- 9081 ANCHOR FINANCIAL
MATTCO FINANCIAL SERVICES
SOFTMATRIX
WAN / LAN SOLUTIONS INC
- 9083 ALLIED SECURITY INC
BARTON PROTECTIVE SERVICES INC
UNITED FUNDING SOLUTIONS INC
VOLT INFORMATION SCIENCES
VOLT SERVICES GROUP INC
- 9085 COOL TOUCH CORP
NEW STAR LASERS INC
PULSAR UV TECHNOLOGIES
- 9087 FLIP 2 IT SPORTS CENTER
- 9089 ARROW REALTY
JAMES A RASMUS
RDA PUBLISHING GROUP
RETAIL DESIGN ASSOCIATES
- 9151 BLUE OAKS SHELL
NAV CHAT HO
- 10015 MASTER TILE
- 10030 PRIDE INDUSTRIES
SHARIS BERRIES INTERNATIONAL
YUBA SHOES
- 10031 UNION PACIFIC CORP
- 10050 KINTETSU WORLD EXPRESS USA
- 10101 PASCO SCIENTIFIC

DRRAFT

FOOTHILLS BLVD 2000

3994 MCDONALDS RESTAURANTS
 3998 FOOTHILLS SHELL FOOD MART
 4000 DRY CLEAN TODAY
 RIVER CITY BANK BRANCH LOCATIONS
 RIVER CITY BANK BRANCHES
 4001 STARBUCKS COFFEE WEST ROSEVILLE
 4002 CARLS JR RESTAURANTS
 4004 PAYLESS DRUG STORES ROSEVILLE
 RITE AID PHARMACIES ROSEVILLE
 WESTERN UNION ROSEVILLE
 4006 AMERICAN HAIR FORCE
 FAMILY VSN CARE & CONT LENSES OPTOMETRIC CENTER
 GUARCELLO FRED P OD
 KLEM PETER S OD
 PANDA RESTAURANT
 WRAP CITY FOODS USA
 4008 BEL AIR SUPERMARKETS
 4010 BIRD & PET CLINIC OF ROSEVILLE
 COPY CATS
 FORNEY GARY DVM
 HAIR PROS
 HEAVEN SCENT FLORIST
 JOSEPH VICTORIA DVM
 PERRYS TRAVEL
 PLANET COMPUTERS
 POPKE CORINNE DVM
 RAINBOW CLEANERS
 ROUND TABLE PIZZA
 SLOSS DALE G CPA
 SUBWAY SANDWICH & SALADS
 TERIYAKI TIME
 WINDOW GRAPHICS
 WRIGHT LINE INCORPORATED
 4012 THOMPSON & BROWN REAL ESTATE
 THOMPSON & BROWN REAL ESTATE FAX
 4014 ANDOR PETER DDS
 BRICKYARD CHIROPRACTIC JO IIII SCHIIHI
 ELSEA STEVEN DC
 FAMILY DENTAL PRACTICE OF ROSEVILLE
 FOOTHILL FAMILY DENTAL PRACTICE
 FOOTHILLS DONUTS
 FOOTHILLS ORTHODONTICS
 ONG EVERETT DDS
 SCHMIDT, JOHN
 SHOREY ROBERT DDS
 5001 ALBERTSONS FOOD & DRUG
 ALBERTSONS FOOD DRUG
 BEVERAGE MARKETING TECHNOLOGIES
 WELLS FARGO BANK BRANCH OFFICES
 5002 TACO BELL STORE NO 16909

FOOTHILLS BLVD

2000

(Cont'd)

5003 BOSTON MARKET
 5005 AWANNA TRAVEL TOO
 BLOCKBUSTER VIDEO
 KAZOKU TERIYAKI & MORE
 MARINOBLES KUNG FU KARATE
 ORIGINAL PETES PIZZA PASTA & GRILL
 5015 BEIJING RESTAURANT
 BROCKWAY HAIR DESIGN ROSEVILLE
 CROWN CLEANERS
 PERRON PAUL R OD
 PET PLANET
 PLACER SAVINGS BANK ROSEVILLE WEST
 5020 BASKIN ROBBINS
 HOLLYWOOD VIDEO
 PAPA MURPHYS TAKE N BAKE PIZZA
 5030 GODFATHERS PIZZA
 5040 GISELLES TRAVEL INCORPORATED
 PATELCO CREDIT UNION
 5050 PAPA MURPHYS PIZZA
 5060 LUCKY PHARMACY ROSEVILLE
 LUCKY STORES ROSEVILLE
 5070 FOOTHILL DENTAL PRACTICE
 LATHAM PHILIP DDS
 TALBOT RICHARD D DMD
 TOP TEN NAILS
 5080 BAINS S K OD
 CHAOS CLOTHING COMPANY
 FOOTHILLS OPTOMETRY
 JAVA CENTRALE
 KAOS CLOTHING COMPANY
 NVS TANS
 TREND CUTS
 5090 LONGS DRUG STORES ROSEVILLE
 5098 CAPITOL LEGAL INVESTIGATIONS
 DATALINK TECHNOLOGIES
 HI LO PROPERTY SERVICES
 KOETHER JAMES H CPA
 MAIL BOXES ETC
 ROSEVILLE CLEANERS
 TERIYAKI TO GO
 TOGOS EATERY
 5121 BURGER KING NO 10835
 7501 NEC ELECTRONICS USA INCORPORATED MAIN OFFICE
 ORCAS NETWORK LIMITED
 8000 HEWLETT PACKARD COMPANY
 10050 KINTETSU WORLD EXPRESS
 10101 PASCO SCIENTIFIC

FOOTHILLS BLVD 1995

4002 CARLS JR RESTAURANT
 4004 PAY LESS DRUG STORE
 4006 BEAUTY NEWS BEAUTY SUPPLY
 CHINA RESTAURANT
 GUARCELLO, FRED P
 J L CIRCLE GALLERY
 KLEM & GUARCELL
 KLEM & GUARCELLO
 SHEILAS PARTY WITH HALLMARK
 4008 BEL AIR MARKETS
 4010 ALLARD, MICHAEL D
 AUTRY, VICKI
 BIRD & PET CLINIC OF ROSEVILLE
 BRADEN, VALOREE
 COOK, NANCIE U
 CORLEY, KATHRYN
 DENIO, SANDRA
 DROZE, MATT
 EMLIT, DEBRA
 HAIR PROS
 HAMPTON, LEE
 HARRINGTON, SUZANNE
 HEAVEN SCENT FLORIST
 HIGHOWER, MICHAEL
 IKERD, DAVID E
 JOSEPH, V
 JOY, KEVIN
 KOSINSKI, MICHAEL J
 LAWRENCE, BARBARA
 LEININGER, JOHN
 MAIL BOXES ETC
 MARTINUS, KAREN
 MEZZETTA, NATHAN
 MISTER VIDEO
 MULLINS, RAY
 NAILS MODE
 PAOLOS RISTORANTE ITALIANO
 PERIS TRAVEL
 RAINBOW CLEANERS
 REECE, RUSTY
 ROUND TABLE PIZZA
 SCHULTER, CHARLES
 SEARLES, MARY P
 STEGMAN, TERRY
 STERLING CONTRACTORS
 SUBWAY SANDWICHES & SALADS
 SUMMERS, ALVIN N JR
 TEMPEL, JASON
 THOMAS, BARBARA
 TIPTON, E

FOOTHILLS BLVD

1995

(Cont'd)

- 4010 VASQUEZ, DONNA C
WESTERN UNION
WILL, FRED
WINDOW WONDERLAND
YATES, DON
- 4012 WELLS FARGO BANK
WHATS THE SCOOP
- 4014 FAMILY DENTISTS OF ROSEVILLE
MARK D PHIPPS DDS
ROBERT SHOREY DDS
SCHMIDT CHIROPRACTIC
- 7501 HONTO, NOBUO
- 8020 HEWLETT PACKARD CO
- 10031 SOUTHERN PACIFIC TRANSIT CO

DRAFT

FOOTHILLS BLVD 1992

- 4002 CARLS JR RSTRNTS
- 4004 PAY LESS DRUG
- 4006 BEAUTY NEWS INC
- CHINA RESTAURANT
- GUARCELLO FRED P OD
- GUARCELLO, FRED P
- HALLMARK SHEILAS
- HOBBY TOWN USA
- 4008 BEL AIR MARKET
- 4010 HAIR PROS
- HEAVEN SCENT FLRST
- MAIL BOXES ETC
- MR VIDEO
- NAILS MODE
- PAOLOS RISTORANTE
- PERIS TRAVEL
- RAINBOW CLEANERS
- ROUND TABLE PIZZA
- SUBWAY SANDWICH&SLD
- WINDOW WONDERLAND
- 4012 WELLS FRGO LOANS
- WHATS THE SCOOP
- 4014 1 HR PHOTO
- SCHMIDT JOHN DC
- SCHMIDT, JOHN
- SUMMER HILL DNTSTRY
- 7501 N E C ELECTRONICS
- 7511 FLUOR DANIEL INC
- UNIV MECHANICAL
- 8000 HEWLETT PACKARD CO
- KINTETSU WRLD EXPRS
- 10101 PASCO SCIENTIFIC





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FOOTHILLS BLVD 1990

5001	★ J L CONSTR INC	784-8850 +0
7500	XXXX	00
7501	★ N E C ELECTRONICS	788-3900 7
	★ N E C ELECTRONICS	788-3990 7
7511	★ FLUOR DANIEL INC	784-9588 +0
8000	★ HARBISON MANONY	783-8404 9
	★ HEWLETT PACKARD CO	788-8682 3
	★ HEWLETT PACKARD CO	788-8000 3
8004	★ CHINESE...	784-2121 +0

DRAFT



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FOOTHILLS BLVD 1986

FOOTHILLS BLVD 95678
ROSEVILLE

7501	NELLWIG NEATG&PLMBG	766-4889	4
8000	NEWLETT PACKARD CO	788-6662	3
	NEWLETT PACKARD CO	788-8000	3
★	3 BUS	0 RES	0 NEW

DRAFT

**PHASE I ENVIRONMENTAL SITE
ASSESSMENT**

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX F

Fidelity National Title Report.



Fidelity National Title Company

1200 Concord Ave., #400 **Error! Unknown op code for conditional.**, Concord, CA 94520
Phone: (925) 288-8000 • Fax:

Issuing Policies of Fidelity National Title Insurance Company

Order No.: 01006286-010-PA-PJ

Title Officer: Paul Jacobson

TO:

City of Roseville
311 Vernon Street, Public Works
Roseville, CA 95678

Escrow Officer: Paul Avila
8525 Madison Avenue, Suite 110
Fair Oaks, CA 95628
(916) 646-6018
(916) 224-2697

ATTN: **Jesse Khatkar**

YOUR REFERENCE:

PROPERTY ADDRESS: [APN: 017-232-022-000, Roseville, CA](#)

PRELIMINARY REPORT

*In response to the application for a policy of title insurance referenced herein, **Fidelity National Title Company** hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.*

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The policy(s) of title insurance to be issued hereunder will be policy(s) of Fidelity National Title Insurance Company, a Florida Corporation.

Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects and encumbrances affecting title to the land.

Countersigned by:

Authorized Signature



By:
Michael J. Nolan
President

ATTEST:
Marjorie Nemzura
Secretary



Fidelity National Title Company

1200 Concord Ave., #400 **Error! Unknown op code for conditional.**, Concord, CA 94520
Phone: (925) 288-8000 • Fax:

PRELIMINARY REPORT

EFFECTIVE DATE: March 17, 2022 at 7:30 a.m.

ORDER NO.: 01006286-010-PA-PJ

The form of policy or policies of title insurance contemplated by this report is:

CLTA Standard Coverage Policy of Title Insurance (4/8/2014)

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

A Fee

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

Foothills 30, LLC, a California limited liability company

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

See Exhibit A attached hereto and made a part hereof.

DRAFT

EXHIBIT A
LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF ROSEVILLE, IN THE COUNTY OF PLACER, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

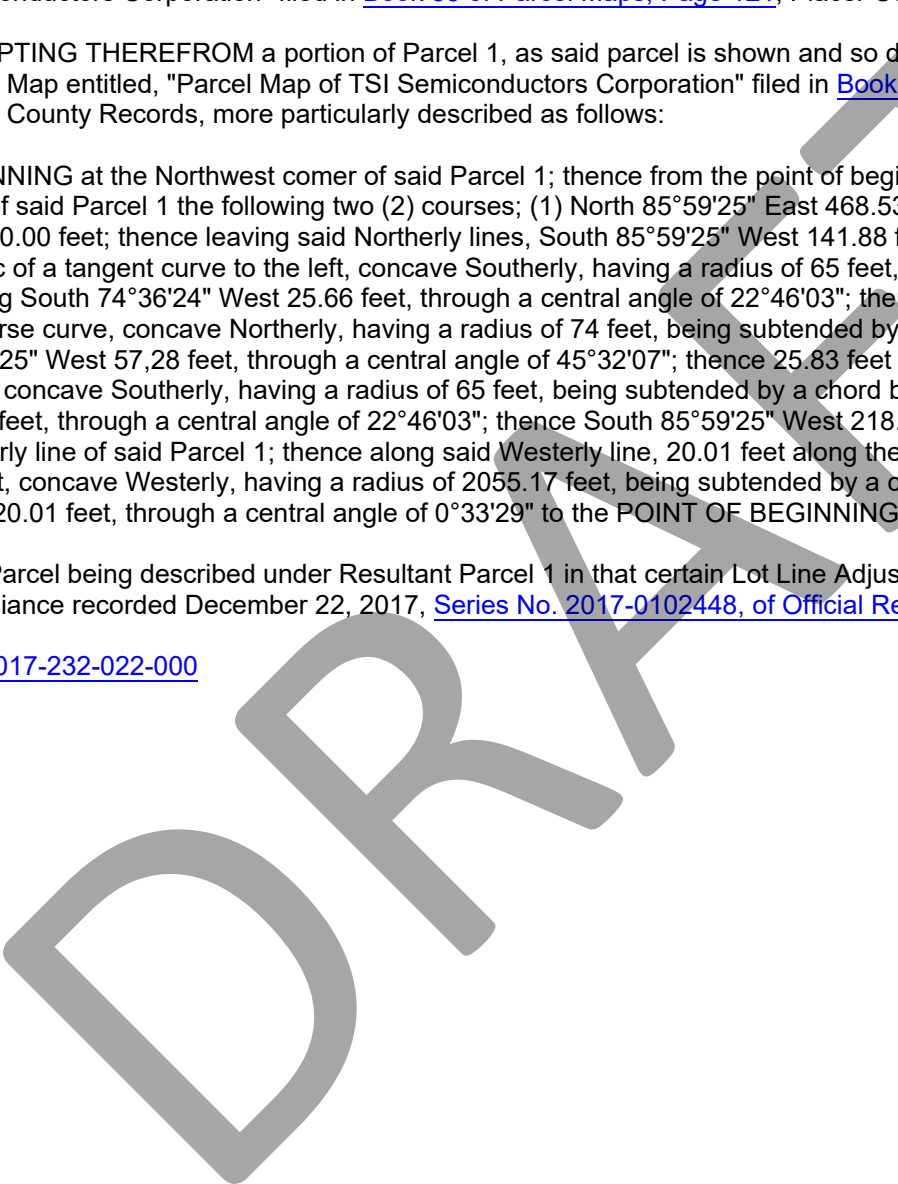
Parcel 1, as said parcel is shown and so designated on that certain Parcel Map entitled, "Parcel Map of TSI Semiconductors Corporation" filed in [Book 35 of Parcel Maps, Page 121](#), Placer County Records.

EXCEPTING THEREFROM a portion of Parcel 1, as said parcel is shown and so designated on that certain Parcel Map entitled, "Parcel Map of TSI Semiconductors Corporation" filed in [Book 35 of Parcel Maps, Page 121](#), Placer County Records, more particularly described as follows:

BEGINNING at the Northwest corner of said Parcel 1; thence from the point of beginning, along the Northerly lines of said Parcel 1 the following two (2) courses; (1) North 85°59'25" East 468.53 feet; and (2) South 04°00'35" East 20.00 feet; thence leaving said Northerly lines, South 85°59'25" West 141.88 feet; thence 25.83 feet along the arc of a tangent curve to the left, concave Southerly, having a radius of 65 feet, being subtended by a chord bearing South 74°36'24" West 25.66 feet, through a central angle of 22°46'03"; thence 58.81 feet along the arc of a reverse curve, concave Northerly, having a radius of 74 feet, being subtended by a chord bearing South 85°59'25" West 57.28 feet, through a central angle of 45°32'07"; thence 25.83 feet along the arc of a reverse curve, concave Southerly, having a radius of 65 feet, being subtended by a chord bearing North 82°37'33" West 25.66 feet, through a central angle of 22°46'03"; thence South 85°59'25" West 218.35 feet to a point on the Westerly line of said Parcel 1; thence along said Westerly line, 20.01 feet along the arc of a non-tangent curve to the left, concave Westerly, having a radius of 2055.17 feet, being subtended by a chord bearing North 06°03'07" West 20.01 feet, through a central angle of 0°33'29" to the POINT OF BEGINNING.

Said Parcel being described under Resultant Parcel 1 in that certain Lot Line Adjustment Certificate of Compliance recorded December 22, 2017, [Series No. 2017-0102448, of Official Records](#).

[APN: 017-232-022-000](#)



EXCEPTIONS

AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:

- 1. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2022-2023.
- 2. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Code Area: 005-001
Tax Identification No.: [017-232-022-000](#)
 Fiscal Year: 2021-2022
 1st Installment: \$18,109.92, Paid
 2nd Installment: \$18,109.92, Open
 Land: \$3,420,959.00

- 3. Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.
- 4. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.
- 5. Any liens or other assessments, bonds, or special district liens including without limitation, Community Facility Districts, that arise by reason of any local, City, Municipal or County Project or Special District.
- 6. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Walter F. Fiddymont
 Purpose: Public utilities
 Recording Date: November 12, 1963
 Recording No: [Book 989, Page 495, of Official Records](#)
 Affects: Easterly portion

- 7. Easement(s) for the purpose(s) shown below and rights incidental thereto as delineated or as offered for dedication, on the Parcel Map 18 PM 12;

Purpose: Public utilities
 Affects: Westerly 12.5 feet

- 8. Easement(s) for the purpose(s) shown below and rights incidental thereto as delineated or as offered for dedication, on the Parcel Map 19 PM 23;

Purpose: Public utilities and road
 Affects: As shown on map

Said public utility easements being vacated by the City of Roseville prusuant to the Resolution No. 98-280 a copy of which Recorded August 24, 1998, as Instrument No. 98-66795, Official Records. Affects the North 6.25 feet o Parcel 119 PM 23, the south 6.25 and the North 10.00 feet of Parcel 2 of 19 PM 23, the South 15 feet and the North 6.25 feet of Parcel 3 of 19 PM 23 and the South 6.25 feet of Parcel 4 of 19 PM 23 excepting the West 12.5 and the East 12.5 feet.

EXCEPTIONS (Continued)

9. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: City of Roseville
Purpose: Roadway, utilities, slope banks, bike paths and landscaping
Recording Date: August 26, 1991
[Recording No: 91-51958, of Official Records](#)
Affects: Parcel 1

10. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: City of Roseville
Purpose: Drainage
Recording Date: July 18, 1996
[Recording No: 96-41150, of Official Records](#)
Affects: Parcel 1

11. Recitals as shown on that certain [map/plat](#)

Recording Date: December 29, 2016
Recording No: [Book 35 of Parcel Maps, at Page 121](#)
Which among other things recites Maps.

NOTES

1. Property owners within this subdivision shall agree to participate in a Transportation Systems Management (TSM) Plan and shall agree to enter into a transportation management agreement with the City of Roseville.

2. Prior to the issuance of a grading plan and/or improvement plan. Owners shall prepare a "Common Easement Agreement" that provides for: (1) Creation of easement rights for any applicable common fire protection mains, services and appurtenances; (2) Maintenance of individual fire protection systems by the parcel owner and any applicable common on-site fire protection systems by the affected parcel owners; (3) Each parcel owner shall engage a fire protection service company to maintain the individual and any applicable common fire protection systems; (4) A cause prohibiting the amendment, revision or deletion of any sections in the common easement agreement required by the conditions of approval without the prior written consent of the City Attorney.

Reference is hereby made to said document for full particulars.

12. Easement(s) for the purpose(s) shown below and rights incidental thereto as delineated or as offered for dedication, on the Parcel Map (35 PM 121) of said [tract/plat](#);

Purpose: Drainage Easement for the benefit of Parcel 2 over Parcel 1 Emergency Access Easement for the benefit of Parcel 2 over Parcel 1
Affects: As shown on said Parcel Map

EXCEPTIONS (Continued)

13. Matters contained in that certain document

Entitled: Common Easement Agreement
Dated: September 1, 2017
Executed by: Southall Group Holdings LLC and Foothills 30 LLC
Recording Date: September 1, 2014
[Recording No: 2017-68074, of Official Records](#)

Reference is hereby made to said document for full particulars.

14. Any rights, interests, or claims which may exist or arise by reason of the following matters disclosed by survey,

Job No.: 170026
Dated: July 27, 2017
Prepared by: Morton & Pitalo, Inc
Matters shown:

A wire fence meanders 0.7' West and 1.4' East of the East boundary of the property. No determination was made as to ownership of said fence.
An encroachment of a guard rail onto the property from the street right of way of Pleasant Grove Boulevard, to undisclosed amounts.
Pedestrian access across the North boundary of the property as evidenced by concrete walks crossing said boundary.

15. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of Roseville, a municipal corporation
Purpose: Installation and maintenance of traffic control appurtenances
Recording Date: November 29, 2017
[Recording No: 2017-0094585, of Official Records](#)
Affects: Portion of said land

16. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of Roseville, a municipal corporation
Purpose: Pedestrian access, installation and maintenance of bus shelter
Recording Date: November 29, 2017
[Recording No: 2017-0094588, of Official Records](#)
Affects: A portion of said land

17. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

**EXCEPTIONS
(Continued)**

- 18. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

- 19. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from the entity named below:

Limited Liability Company: Foothills 30, LLC, a California limited liability company

- a) A copy of its operating agreement, if any, and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member.
- b) If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendments thereto with the appropriate filing stamps.
- c) If the Limited Liability Company is member-managed, a full and complete current list of members certified by the appropriate manager or member.
- d) A current dated certificate of good standing from the proper governmental authority of the state in which the entity is currently domiciled.
- e) If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.
- f) If Limited Liability Company is a Single Member Entity, a Statement of Information for the Single Member will be required.
- g) Each member and manager of the LLC without an Operating Agreement must execute in the presence of a notary public the Certificate of California LLC (Without an Operating Agreement) Status and Authority form.

- 20. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

- 21. The Company will require that an Owner's Affidavit be completed by the party(s) named below before the issuance of any policy of title insurance.

Party(s): Foothills 30, LLC, a California limited liability company

The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit.

END OF EXCEPTIONS

NOTES

1. Note: The name(s) of the proposed insured(s) furnished with this application for title insurance is/are:
No names were furnished with the application. Please provide the name(s) of the buyers as soon as possible.
2. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.
3. Note: The charge for a policy of title insurance, when issued through this title order, will be based on the Basic Title Insurance Rate.
4. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.
5. The application for title insurance was placed by reference to only a street address or tax identification number. The proposed Insured must confirm that the legal description in this report covers the parcel(s) of Land requested to be insured. If the legal description is incorrect, the proposed Insured must notify the Company and/or the settlement company in order to prevent errors and to be certain that the legal description for the intended parcel(s) of Land will appear on any documents to be recorded in connection with this transaction and on the policy of title insurance.
6. Note: If a county recorder, title insurance company, escrow company, real estate broker, real estate agent or association provides a copy of a declaration, governing document or deed to any person, California law requires that the document provided shall include a statement regarding any unlawful restrictions. Said statement is to be in at least 14-point bold face type and may be stamped on the first page of any document provided or included as a cover page attached to the requested document. Should a party to this transaction request a copy of any document reported herein that fits this category, the statement is to be included in the manner described.
7. Note: Any documents being executed in conjunction with this transaction must be signed in the presence of an authorized Company employee, an authorized employee of a Company agent, an authorized employee of the insured lender, or by using Bancserv or other Company-approved third-party service. If the above requirement cannot be met, please call the Company at the number provided in this report.
8. Pursuant to Government Code Section 27388.1, as amended and effective as of 1-1-2018, a Documentary Transfer Tax (DTT) Affidavit may be required to be completed and submitted with each document when DTT is being paid or when an exemption is being claimed from paying the tax. If a governmental agency is a party to the document, the form will not be required. DTT Affidavits may be available at a Tax Assessor-County Clerk-Recorder.
9. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.
10. Due to the special requirements of SB 50 (California Public Resources Code Section 8560 et seq.), any transaction that includes the conveyance of title by an agency of the United States must be approved in advance by the Company's State Counsel, Regional Counsel, or one of their designees.

END OF NOTES

Paul Jacobson/a1h

Wire Fraud Alert

This Notice is not intended to provide legal or professional advice. If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. **DO NOT** use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the phone number of relevant parties to the transaction as soon as an escrow account is opened.** **DO NOT** send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do **NOT** reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
<http://www.fbi.gov>

Internet Crime Complaint Center:
<http://www.ic3.gov>

FIDELITY NATIONAL FINANCIAL, INC. PRIVACY NOTICE

Effective August 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (e.g., name, address, phone number, email address);
- demographic information (e.g., date of birth, gender, marital status);
- identity information (e.g. Social Security Number, driver's license, passport, or other government ID number);
- financial account information (e.g. loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;

- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information

We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information

If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (<https://fnf.com/pages/californiaprivacy.aspx>) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 714-2710 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children

The FNF Websites are not intended or designed to attract persons under the age of eighteen (18). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans

Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

Your Consent To This Privacy Notice; Notice Changes

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, visit FNF's [Opt Out Page](#) or contact us by phone at (888) 714-2710 or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

DRAFT



Fidelity National Title Company

1200 Concord Ave., #400, Concord, CA 94520
Phone: (925) 288-8000 • Fax:

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

Not all discounts are offered by every FNF Company. The discount will only be applicable to the FNF Company as indicated by the named discount.

FNF Underwritten Title Company

CTC – Chicago Title company
CLTC – Commonwealth Land Title Company
FNTC – Fidelity National Title Company of California
FNTCCA - Fidelity National Title Company of California
TICOR – Ticor Title Company of California
LTC – Lawyer’s Title Company
SLTC – ServiceLink Title Company

Underwritten by FNF Underwriters

CTIC – Chicago Title Insurance Company
CLTIC - Commonwealth Land Title Insurance Company
FNTIC – Fidelity National Title Insurance Company
FNTIC - Fidelity National Title Insurance Company
CTIC – Chicago Title Insurance Company
CLTIC – Commonwealth Land Title Insurance Company
CTIC – Chicago Title Insurance Company

Available Discounts

DISASTER LOANS (CTIC, CLTIC, FNTIC)

The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within twenty-four (24) months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be fifty percent (50%) of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC, FNTIC)

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be fifty percent (50%) to seventy percent (70%) of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be forty (40%) to fifty percent (50%) of the appropriate title insurance rate, depending on the type of coverage selected.

ATTACHMENT ONE (Revised 05-06-16)

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

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.
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency 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 the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, 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. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13) ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

- c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.
 This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
 8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
 9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 10,000.00
Covered Risk 18:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

{Except as provided in Schedule B - Part II, {t{or T}his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

{PART I

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that 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; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.}

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:}

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that 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; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records. }
7. {Variable exceptions such as taxes, easements, CC&R's, etc. shown here.}

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY – ASSESSMENTS PRIORITY (04-02-15)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pleasant Grove Boulevard Widening Project

7465 Foothills Boulevard

APN 017-232-022-000

Roseville, CA

August 2022

APPENDIX G

Site Photographs

PHOTO REPORT

4262.X ESA - Pleasant Grove Blvd Widening Roseville

Photos Taken July 2022



Photo 1 Utility covers at south entrance. Looking south on Foothills Blvd.



Photo 3 Utility covers at Foothills Blvd. just north of Pleasant Grove Blvd.



Photo 2 Looking south on Foothills Blvd.

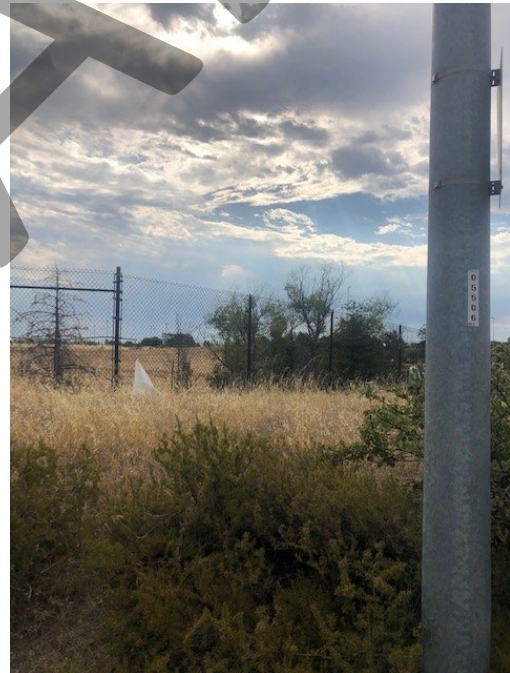


Photo 4 Looking northeast from intersection Foothills and Pleasant Grove Blvds.

PHOTO REPORT

4262.X ESA - Pleasant Grove Blvd Widening Roseville
Photos Taken July 2022



Photo 5 Looking east along Pleasant Grove Blvd. Ravine vegetation on left.



Photo 7 Southwest corner of Parcel.



Photo 6 Looking east along Pleasant Grove Blvd. Ravine vegetation on left.



Photo 8 Looking east along Pleasant Grove Blvd. Ravine vegetation on left.

PHOTO REPORT

4262.X ESA - Pleasant Grove Blvd Widening Roseville
Photos Taken July 2022



Photo 9 Vegetation in ravine.



Photo 11 View looking west along Pleasant Grove Blvd.



Photo 10 View of elevation to north of Pleasant Grove Blvd.



Photo 12 Commercial development across Pleasant Grove Blvd.

PHOTO REPORT

4262.X ESA - Pleasant Grove Blvd Widening Roseville
Photos Taken July 2022



Photo 13 Commercial development across Pleasant Grove Blvd.



Photo 15 Utility box at east end of acquisition area.



Photo 14 Commercial development across Pleasant Grove Blvd.



Photo 16 View of additional parking at southeast corner of Parcel.

APPENDIX G

Noise Assessment

G-1: Noise Impact Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022.)

G-2: Traffic Noise Model Output

G-3: Construction Noise Model Output

APPENDIX G

Noise Assessment

G-1: Noise Impact Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022.)

G-2: Traffic Noise Model Output

G-3: Construction Noise Model Output

**Noise Impact Assessment
for the
Pleasant Grove Boulevard Widening Project**

City of Roseville, California

Prepared For:



311 Vernon Street
Roseville, CA 95678

Prepared By:



ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

2525 Warren Drive
Rocklin, California 95677

July 2022

CONTENTS

1.0	INTRODUCTION	1
1.1	Project Location and Background	1
1.2	Project Description	1
1.2.1	Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection.....	3
1.2.2	Pleasant Grove Boulevard/Country Club Drive Intersection	3
1.2.3	Pleasant Grove Boulevard/Foothills Boulevard Intersection	4
1.3	Project Construction	4
2.0	ENVIRONMENTAL NOISE AND GROUNDBORNE VIBRATION ANALYSIS.....	10
2.1	Fundamentals of Noise and Environmental Sound	10
2.1.1	Addition of Decibels.....	10
2.1.2	Sound Propagation and Attenuation	10
2.1.3	Noise Descriptors	12
2.1.4	Human Response to Noise.....	14
2.1.5	Effects of Noise on People.....	14
2.2	Fundamentals of Environmental Groundborne Vibration	15
2.2.1	Vibration Sources and Characteristics.....	15
3.0	EXISTING ENVIRONMENTAL NOISE SETTING	17
3.1	Noise Sensitive Land Uses	17
3.2	Existing Ambient Noise Environment	17
3.2.1	Existing Pleasant Grove Boulevard Noise Levels.....	18
4.0	REGULATORY FRAMEWORK.....	20
4.1	Federal	20
4.1.1	Occupational Safety and Health Act of 1970	20
4.1.2	National Institute of Occupational Safety and Health	20
4.2	State	20
4.2.1	State of California General Plan Guidelines	20
4.2.2	State Office of Planning and Research Noise Element Guidelines	20
4.2.3	California Department of Transportation	21
4.3	Local	21
4.3.1	City of Roseville General Plan Noise Element	21
4.3.2	City of Roseville Municipal Code.....	24
5.0	IMPACT ASSESSMENT	25
5.1	Thresholds of Significance.....	25
5.2	Methodology	25

5.3	Impact Analysis	26
5.3.1	Would the Project Result in Short-Term Construction-Generated Noise in Excess of City Standards?	26
5.3.2	Would the Project Result in a Substantial Permanent Increase in Ambient Noise Levels in Excess of City Standards During Operations?	28
5.3.3	Would the Project Expose Structures to Substantial Groundborne Vibration During Construction?	29
5.3.4	Would the Project Expose Structures to Substantial Groundborne Vibration During Operations?	31
5.3.5	Would the Project Expose People Residing or Working in the Project area to Excessive Airport Noise?	31
5.3.6	Cumulative Noise	31
6.0	REFERENCES.....	33

LIST OF TABLES

Table 1-1.	Construction Phasing	7
Table 1-2.	Construction Equipment List	9
Table 2-1.	Common Acoustical Descriptors.....	13
Table 2-2.	Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibration Levels	16
Table 3-1.	ANSI Standard 12.9-2013/Part 3 A-weighted Sound Levels Corresponding to Land Use and Population Density	17
Table 3-2.	Existing (Baseline) Traffic Noise Levels for Residential Surrounding Uses	19
Table 4-1.	Exterior Noise Compatibility Standards for Uses Affected by Transportation Noise	22
Table 5-1.	Construction Average (dBA) Noise Levels at Nearest Residential Receptors	27
Table 5-2.	Existing Plus Project Conditions Predicted Traffic Noise Levels.....	29
Table 5-3.	Representative Vibration Source Levels for Construction Equipment.....	30
Table 5-4.	Construction Vibration Levels at 85 Feet.....	30
Table 5-5.	Cumulative Plus Project Conditions Predicted Traffic Noise Levels for Residential Surrounding Land Uses	32

LIST OF FIGURES

Figure 1-1.	Project Location and Vicinity	2
Figure 1-2.	Preliminary Road Widening (West)	5
Figure 1-3.	Preliminary Road Widening (East)	6

Figure 1-4. Staging Area.....8

Figure 2-1. Common Noise Levels..... 11

Figure 1-4. Staging Area.....8

LIST OF ATTACHMENTS

Attachment A - Federal Highway Administration Traffic Noise Prediction Model Outputs

Attachment B – Federal Highway Administration Roadway Construction Noise Outputs

LIST OF ACRONYMS AND ABBREVIATIONS

Term	Definition
ANSI	American National Standards Institute
BMP	Best Management Practice
Caltrans	California Department of Transportation
CIP	Capital Improvement Program
CNEL	Community Noise Equivalent Level
dB	Decibel
dBA	Decibel is A-weighted
DNL	Daily Noise Level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
Hz	Hertz
in/sec	Inches per second
L _{dn}	Day-night average sound level
L _{eq}	Measure of ambient noise
L _{max}	The maximum A-weighted noise level during the measurement period.
L _{min}	The minimum A-weighted noise level during the measurement period.
LOS	Level of Service
NIOSH	National Institute for Occupational Safety and Health
OPR	Office of Planning and Research
OSHA	Federal Occupational Safety and Health Administration
PPV	Peak particle velocity
Project	Pleasant Grove Boulevard Widening Project
RCEM	Roadway Construction Emissions Model
RMS	Root mean square
SR	State Route
STC	Sound Transmission Class
VdB	Vibration Velocity Level
WEAL	Western Electro-Acoustic Laboratory, Inc.

1.0 INTRODUCTION

This report documents the results of a Noise Impact Assessment completed for the Pleasant Grove Boulevard Widening Project (Project), which includes the widening of Pleasant Grove Boulevard in Roseville from two to three lanes in each direction, beginning at approximately 1,500 feet east of Foothills Boulevard and extending to approximately 700 feet west of Woodcreek Oaks Boulevard. This report was prepared as a comparison of predicted Project noise levels to noise standards promulgated by the City of Roseville General Plan Noise Element and Municipal Code. The purpose of this report is to estimate Project-generated noise and to determine the level of impact the Project would have on the environment.

1.1 Project Location and Background

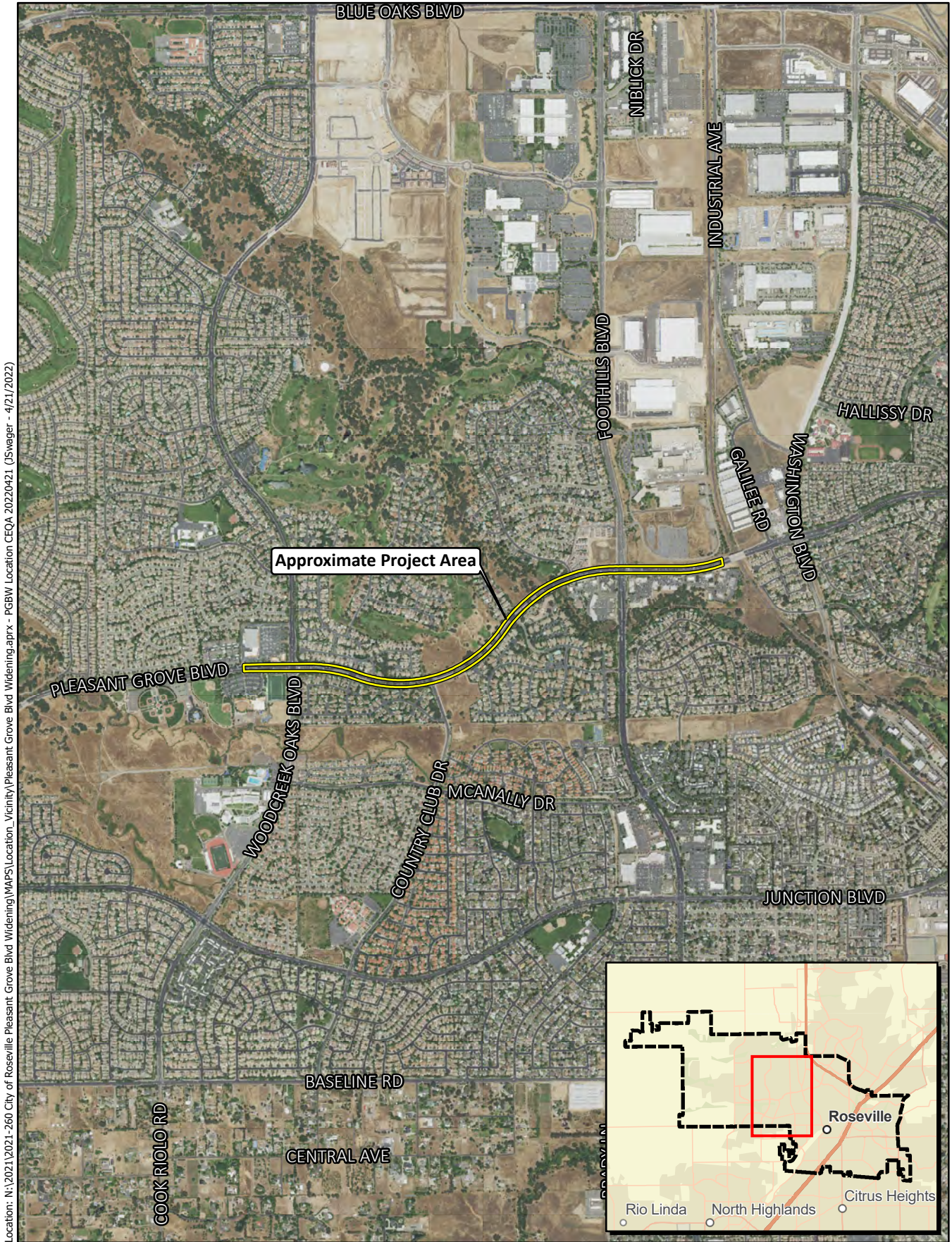
Pleasant Grove Boulevard is an existing four- and six-lane arterial road that runs east to west through the north central portion of the City of Roseville (Figure 1-1). It begins east of State Route (SR) 65 at the City's eastern boundary with the City of Rocklin and extends west approximately 6.3 miles to Westbrook Boulevard near the City's western boundary. Pleasant Grove Boulevard, which currently experiences heavy daily traffic congestion, serves as one of the main east-west travel corridors connecting residents traveling from the West Roseville area to popular shopping and dining destinations and office buildings in the North Central Roseville Specific Plan area. Pleasant Grove Boulevard provides a vital economic link from residential areas to shopping and employment centers via its connections with other major arterial thoroughfares, including Roseville Parkway, Washington Boulevard, Foothills Boulevard, Woodcreek Oaks Boulevard, Sun City Boulevard, Fiddymont Road and Westbrook Boulevard, as well as to regional highways including SR 65 and Interstate 80.

1.2 Project Description

The Proposed Project includes widening of Pleasant Grove Boulevard from two to three lanes in each direction beginning 1,500 feet east of Foothills Boulevard to 700 feet west of Woodcreek Oaks Boulevard. The overall road widening Project, including the location and limits of proposed road widening, lane striping, and related Project improvements are shown on Figures 1-2 and 1-3.

The Project proposes to address existing and expected future traffic congestion and improve circulation consistent with the City's Transportation System 2035 Capital Improvement Program (CIP), which includes the following improvement:

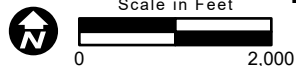
- Widen Pleasant Grove Boulevard from two to three lanes in each direction beginning at approximately 1,500 feet east of Foothills Boulevard extending to approximately 700 feet west of Woodcreek Oaks Boulevard. Widening would primarily occur to the interior roadway median, which is sized to accommodate the additional travel lane, while preserving existing exterior curb, gutter, and sidewalk improvements.



Location: N:\2021\2021-260 City of Roseville Pleasant Grove Blvd Widening\WPS\Location_Vicinity\Pleasant Grove Blvd Widening.aprx - PGBW Location CEQA 20220421 (J5weiger - 4/21/2022)

Map Date: 4/21/2022
Sources: ESRI, USGS, Placer County

Figure 1-1. Project Location and Vicinity



2021-260 City of Roseville Pleasant Grove Widening

The City's Transportation System 2035 CIP identifies planned improvements to the city-wide road network to reduce congestion and enhance accessibility for motorists, pedestrians, and cyclists. Transportation system CIP improvements are funded by traffic impact fees assessed on new development. The Proposed Project would implement certain planned CIP improvements within the Project Limits with funding provided by the CIP fee program. No federal funding would be used for the Project.

As shown in Figures 1-2 and 1-3, the Project would widen Pleasant Grove Boulevard from four travel lanes to six travel lanes, configured as three eastbound and three westbound lanes, from the existing six-lane section east of Foothills Boulevard west through Woodcreek Oaks Boulevard. Road widening would primarily occur to the interior median, which is sized to accommodate the additional travel lanes while preserving the roadway's existing exterior curb, gutter, and sidewalk. With one small exception, all road widening is proposed to occur within the existing right-of-way. The sole exception is at the northeast corner of the Foothills Boulevard intersection, where private property acquisition is required to accommodate approximately 500-linear feet of widening of the existing right-of-way by approximately 10 feet (or 5,000 square feet).

Proposed widening between Misty Wood Drive and Woodcreek Oaks Boulevard would be accomplished by removing a portion of the existing median and adding a third lane in each direction of travel on the inside of the existing roadway. At the Foothills Boulevard intersection, the free right-turn lane island at the northwest corner of the intersection would be removed and replaced with a dedicated right-turn lane from southbound Foothills Boulevard to westbound Pleasant Grove Boulevard. Widening east of Foothills Boulevard would be accommodated by relocating the westbound to northbound right-turn lane to the north, allowing area for an additional third westbound through-lane to extend the southbound left-turn lane storage. Striping would be modified on Pleasant Grove Boulevard to provide an additional third through-lane in each direction of travel at the Woodcreek Oaks Boulevard intersection. The Proposed Project would join existing roadway improvements approximately 700 feet west of Woodcreek Oaks Boulevard.

In addition to roadway widening, minor modifications to traffic signal pole placement would be implemented where necessary to accommodate the proposed road widening, turn lane, and restriping improvements. Signal light timing would also be adjusted to optimize intersection level of service (LOS) operations throughout the Project limits. In addition, any non-conforming pedestrian crosswalk curb ramps would be reconstructed consistent with Americans with Disabilities Act requirements.

To improve intersection operations, the Project also proposes the following adjustments to existing left-turn lane configuration and storage:

1.2.1 Pleasant Grove Boulevard/Woodcreek Oaks Boulevard Intersection.

Storage capacity of the westbound left-turn lane would be maintained by shortening the eastbound left-turn pocket at Birkdale Drive. As the turn lanes are back-to-back, this would be an improved allocation of storage to better suit the demands for each movement.

1.2.2 Pleasant Grove Boulevard/Country Club Drive Intersection

The westbound left-turn pocket would be extended from 290 to 350 feet to better accommodate morning and afternoon peak traffic queues.

1.2.3 Pleasant Grove Boulevard/Foothills Boulevard Intersection

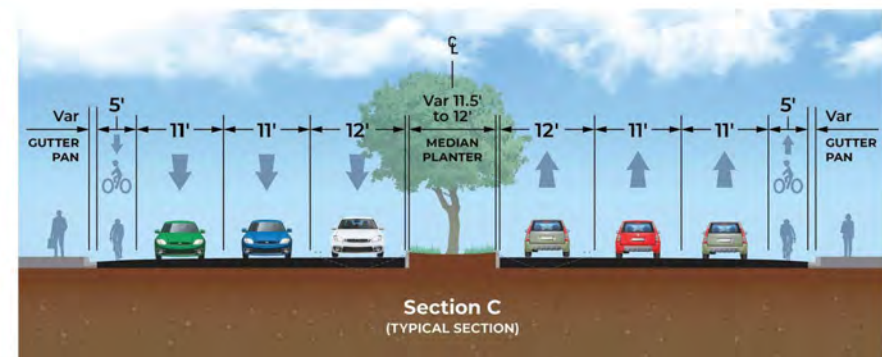
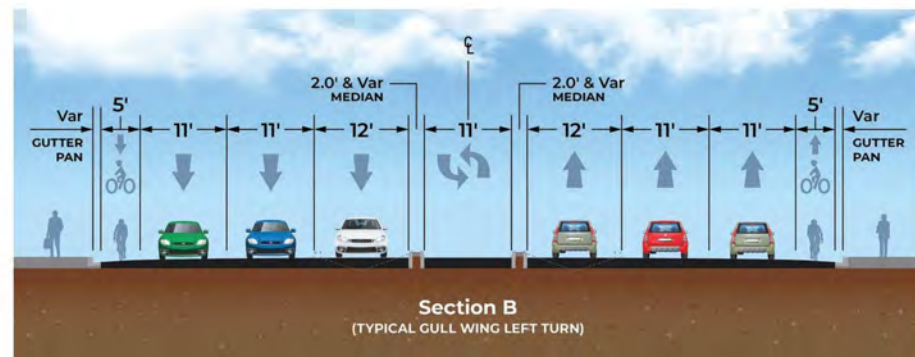
Additional westbound left-turn storage would be installed within the existing Pleasant Grove Boulevard median and by widening to the north, which also accommodates the additional third lane. As shown in Figures 1-2 and 1-3, the ultimate proposed improvements would provide left-turn storage of 450, 800, and 800 feet for left-turn lanes 1, 2, and 3, respectively. With this geometry, the Pleasant Grove Boulevard westbound left-turn movement into the shopping center located south of Pleasant Grove Boulevard would have adequate sight distance per City standards.

Lastly, the Project proposes improvements to three side-street stop-sign-controlled intersections within the Project Limits. Specifically, the following side-street stop-sign-controlled intersections within the Project Limits would be modified to provide right-in, right-out, and left-in turn movements.

- Pleasant Grove Boulevard & Birkdale Drive/Retreat Way
- Pleasant Grove Boulevard & Laporte Drive/Hemingway Drive
- Pleasant Grove Boulevard & Misty Wood Drive

1.3 Project Construction

Project construction is scheduled for spring 2023 and is expected to take 10 months to complete. Construction activities would take place mostly between 7:00 a.m. and 7:00 p.m. Monday through Friday and between 8:00 a.m. and 8:00 p.m. Saturday and Sunday, in compliance with City Municipal Code Chapter 9.24. In order to minimize the disruption to the morning and afternoon peak hours, limited nighttime work would be allowed at the intersection of Foothills and Pleasant Grove boulevards. The general construction phases, duration, and associated activities are identified in Table 1-1. It is anticipated that portions of Phases 2 and 3 would overlap and include concurrent construction activity.



PLEASANT GROVE BLVD WIDENING PROJECT

SHEET 1 OF 2





PLEASANT GROVE BLVD WIDENING PROJECT
SHEET 2 OF 2



Table 1-1. Construction Phasing		
Phase	Duration (Months)	Activity
Phase 1 – Pre-Construction Activities, Mobilization and Site Layout	2	Establish control points, survey, and field stake construction limits. Install environmental sensitive fencing and employ pre-construction BMPs. Clear and establish staging areas and temporary construction access roads. Mobilize heavy equipment, receive, and stockpile construction equipment and supplies.
Phase 2 – Grading, Underground Construction, and Tree Removal	2	Clear, grub, and remove vegetation and trees pre-approved for removal from work area. Conduct initial road grading activities, construct below-ground utility extensions and drainage facilities. Establish final road grades and fill slope limits.
Phase 3 – Construction of Road and Landscape Improvements	4	Reconstruct median curb to conform with road widening, install erosion control drainage facilities; lay aggregate base and pave. Reconstruct irrigation to conform to new center median, plant trees and install landscaping.
Phase 4 – Construction Closure Activities	2	Clean up, restore temporarily disturbed areas, demobilize, open roadway.

Following establishment of environmental site controls, construction equipment and supplies would mobilize to the site. The contractor may also establish a temporary construction trailer for onsite contractor administrative functions. During construction, any contractor trailer and all equipment and materials would be stored within the designated Construction Staging Area shown on Figure 1-4 or at an alternative location to be established and environmentally cleared by the Contractor and approved by the City. The Contractor would be responsible for obtaining all permits and rights for any staging area established as part of the Project. Depending on the construction phase, expected onsite equipment could include but is not limited to some combination of equipment listed in Table 1-2 plus hand operated equipment.



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Xrefs: _22x24_BorderPGB_X_TPOC_FlattenedPGB-R301_City-Sld
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NO.	REVISIONS DESCRIPTION	DATE	BY

BENCH MARK	ELEV.	SEE NOTES
THE VERTICAL DATUM OF THIS MAPPING IS BASED ON THE CITY OF ROSEVILLE BENCHMARK 85, ADJUSTED TO NAVD88 BY ADDING A PROJECT FACTOR OF +2.16 FEET.		

FIELD BOOK
SCALE
HORIZ.
VERT.



PSOMAS
1075 Creekside Ridge Way, Suite 200 Roseville, CA 95678 (916) 788-8122

DESIGNED BY: CHRIS BRAZIL DATE 02/2022
 CHECKED BY: _____ DATE _____
 DRAWN BY: CHRIS BRAZIL DATE 02/2022

**PLEASANT GROVE BOULEVARD
WIDENING PROJECT
STAGING AREA**

SHEET
— OF —

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Table 1-2. Construction Equipment List	
Equipment	Potential Uses
Excavator	General earthwork, roadway excavation and drainage
Grader	General earthwork and roadway sub-grade preparation and structural section construction
Water trucks	Dust control and moisture conditioning of subgrade and base
Roller/compactor	General earthwork, backfill and structural section construction
Backhoe/trenching machine	Excavations
Concrete trucks/concrete pumps	Concrete flatwork, drainage elements, foundations, and piles
Dump trucks	Hauling materials on and off site
Flatbed trucks	Delivering construction materials and equipment
Pickup trucks	Personnel access
Cranes/forklifts	Moving construction equipment and materials
Paving Machine	Paving

The City and its contractor would implement construction Best Management Practices (BMPs) to avoid and minimize noise-related impacts. The following BMPs are proposed to be incorporated into the Project construction specifications to reduce and control noise generated by construction-related activities:

- All construction equipment shall have sound-control devices no less effective than those provided on the original equipment.
- No equipment shall have an unmuffled exhaust.
- Stationary construction equipment shall be located as far as possible from sensitive uses; sensitive uses shall be identified on construction drawings; and excessive equipment idling (greater than five minutes) shall be prohibited when the equipment is not in use.

2.0 ENVIRONMENTAL NOISE AND GROUNDBORNE VIBRATION ANALYSIS

2.1 Fundamentals of Noise and Environmental Sound

2.1.1 Addition of Decibels

The decibel (dB) scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic decibel is A-weighted (dBA), an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be three dB higher than one source under the same conditions (Federal Transit Administration [FTA] 2018). For example, a 65-dB source of sound, such as a truck, when joined by another 65 dB source results in a sound amplitude of 68 dB, not 130 dB (i.e., doubling the source strength increases the sound pressure by three dB). Under the decibel scale, three sources of equal loudness together would produce an increase of five dB.

Typical noise levels associated with common noise sources are depicted in Figure 2-1.

2.1.2 Sound Propagation and Attenuation

Noise can be generated by a number of sources, including mobile sources such as automobiles, trucks and airplanes, and stationary sources such as construction sites, machinery, and industrial operations. Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB (dBA) for each doubling of distance from a stationary or point source (Federal Highway Administration [FHWA] 2017). Sound from a line source, such as a highway, propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of approximately 3 dBA for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics (FHWA 2017). No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dBA per doubling of distance is normally assumed. For line sources, an overall attenuation rate of three dB per doubling of distance is assumed (FHWA 2011).

Noise levels may also be reduced by intervening structures; generally, a single row of detached buildings between the receptor and the noise source reduces the noise level by about five dBA (FHWA 2006), while a solid wall or berm generally reduces noise levels by 10 to 20 dBA (FHWA 2011). However, noise barriers or enclosures specifically designed to reduce site-specific construction noise can provide a sound reduction 35 dBA or greater (Western Electro-Acoustic Laboratory, Inc. [WEAL] 2000). To achieve the most potent noise-reducing effect, a noise enclosure/barrier must physically fit in the available space, must completely break the "line of sight" between the noise source and the receptors, must be free of degrading holes or gaps, and must not be flanked by nearby reflective surfaces. Noise barriers must be sizable enough to cover the entire noise source and extend lengthwise and vertically as far as feasibly possible to be most effective.

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
<u>Jet Fly-over at 300m (1000 ft)</u>	110	<u>Rock Band</u>
<u>Gas Lawn Mower at 1 m (3 ft)</u>	100	
<u>Diesel Truck at 15 m (50 ft), at 80 km (50 mph)</u>	90	<u>Food Blender at 1 m (3 ft)</u>
<u>Noisy Urban Area, Daytime</u>	80	<u>Garbage Disposal at 1 m (3 ft)</u>
<u>Gas Lawn Mower, 30 m (100 ft)</u>	70	<u>Vacuum Cleaner at 3 m (10 ft)</u>
<u>Commercial Area</u>		<u>Normal Speech at 1 m (3 ft)</u>
<u>Heavy Traffic at 90 m (300 ft)</u>	60	
<u>Quiet Urban Daytime</u>	50	<u>Large Business Office</u>
		<u>Dishwasher Next Room</u>
<u>Quiet Urban Nighttime</u>	40	<u>Theater, Large Conference Room (Background)</u>
<u>Quiet Suburban Nighttime</u>		<u>Library</u>
	30	<u>Bedroom at Night,</u>
<u>Quiet Rural Nighttime</u>		<u>Concert Hall (Background)</u>
	20	<u>Broadcast/Recording Studio</u>
	10	
<u>Lowest Threshold of Human Hearing</u>	0	<u>Lowest Threshold of Human Hearing</u>

Source: California Department of Transportation (Caltrans) 2020a

The limiting factor for a noise barrier is not the component of noise transmitted through the material, but rather the amount of noise flanking around and over the barrier. In general, barriers contribute to decreasing noise levels only when the structure breaks the "line of sight" between the source and the receiver.

The manner in which older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows (Caltrans 2020). The exterior-to-interior reduction of newer residential units is generally 30 dBA or more (Harris Miller, Miller & Hanson Inc. 2006). Generally, in exterior noise environments ranging from 60 dBA Community Noise Equivalent Level (CNEL) to 65 dBA CNEL, interior noise levels can typically be maintained below 45 dBA, a typical residential interior noise standard, with the incorporation of an adequate forced air mechanical ventilation system in each residential building, and standard thermal-pane residential windows/doors with a minimum rating of Sound Transmission Class (STC) 28. (STC is an integer rating of how well a building partition attenuates airborne sound. In the U.S., it is widely used to rate interior partitions, ceilings, floors, doors, windows, and exterior wall configurations). In exterior noise environments of 65 dBA CNEL or greater, a combination of forced-air mechanical ventilation and sound-rated construction methods is often required to meet the interior noise level limit. Attaining the necessary noise reduction from exterior to interior spaces is readily achievable in noise environments less than 75 dBA CNEL with proper wall construction techniques following California Building Code methods, the selections of proper windows and doors, and the incorporation of forced-air mechanical ventilation systems.

2.1.3 Noise Descriptors

The decibel scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. The noise descriptors most often encountered when dealing with traffic, community, and environmental noise include the average hourly noise level (in L_{eq}) and the average daily noise levels/community noise equivalent level (in L_{dn} /CNEL). The L_{eq} is a measure of ambient noise, while the L_{dn} and CNEL are measures of community noise. Each is applicable to this analysis and defined as follows:

- Equivalent Noise Level (L_{eq}) is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
- Day-Night Average (L_{dn}) is a 24-hour average L_{eq} with a 10-dBA "weighting" added to noise during the hours of 10:00 pm to 7:00 am to account for noise sensitivity in the nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn} .
- Community Noise Equivalent Level (CNEL) is a 24-hour average L_{eq} with a 5-dBA weighting during the hours of 7:00 pm to 10:00 pm and a 10-dBA weighting added to noise during the

hours of 10:00 pm to 7:00 am to account for noise sensitivity in the evening and nighttime, respectively.

Table 2-1 provides a list of other common acoustical descriptors.

Table 2-1. Common Acoustical Descriptors	
Descriptor	Definition
Decibel, dB	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micropascals (or 20 micronewtons per square meter), where 1 pascal is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g., 20 micropascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hertz (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sounds are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
L_{max} , L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L01, L10, L50, L90	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	A 24-hour average L_{eq} with a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn} .
Community Noise Equivalent Level, CNEL	A 24-hour average L_{eq} with a 5 dBA "weighting" during the hours of 7:00 p.m. to 10:00 p.m. and a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content, as well as the prevailing ambient noise level.
Decibel, dB	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.

The A-weighted decibel sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about ± 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends on the distance between the receptor and the noise source. Close to the noise source, the models are accurate to within about ± 1 to 2 dBA.

2.1.4 Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL or L_{dn} is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in A-weighted noise levels (dBA), the following relationships should be noted in understanding this analysis:

- Except in carefully controlled laboratory experiments, a change of 1 dBA cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A change in level of at least 5 dBA is required before any noticeable change in community response would be expected. An increase of 5 dBA is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

2.1.5 Effects of Noise on People

2.1.5.1 Hearing Loss

While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise.

The Occupational Safety and Health Administration (OSHA) has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over eight hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

2.1.5.2 Annoyance

Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources.

2.2 Fundamentals of Environmental Groundborne Vibration

2.2.1 Vibration Sources and Characteristics

Sources of earthborne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or manmade causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous (e.g., factory machinery) or transient (e.g., explosions).

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. The RMS velocity is defined as the average of the squared amplitude of the signal. The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

PPV is generally accepted as the most appropriate descriptor for evaluating the potential for building damage. For human response, however, an average vibration amplitude is more appropriate because it takes time for the human body to respond to the excitation (the human body responds to an average vibration amplitude, not a peak amplitude). Because the average particle velocity over time is zero, the RMS amplitude is typically used to assess human response. The RMS value is the average of the amplitude squared over time, typically a 1- sec. period (FTA 2018).

Table 2-2 displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high-noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. For instance, heavy-duty trucks generally generate groundborne vibration velocity levels of 0.006 PPV at 50 feet under typical circumstances, which as identified in Table 2-2 is considered very unlikely to cause damage to buildings of any type. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving which requires the use of heavy-duty earth moving equipment.

Table 2-2. Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibration Levels			
Peak Particle Velocity (inches/second)	Approximate Vibration Velocity Level (VdB)	Human Reaction	Effect on Buildings
0.006–0.019	64–74	Range of threshold of perception	Vibrations unlikely to cause damage of any type
0.08	87	Vibrations readily perceptible	Recommended upper level to which ruins and ancient monuments should be subjected
0.1	92	Level at which continuous vibrations may begin to annoy people, particularly those involved in vibration sensitive activities	Virtually no risk of architectural damage to normal buildings
0.2	94	Vibrations may begin to annoy people in buildings	Threshold at which there is a risk of architectural damage to normal dwellings
0.4–0.6	98–104	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Architectural damage and possibly minor structural damage

Source: Caltrans 2020b

3.0 EXISTING ENVIRONMENTAL NOISE SETTING

3.1 Noise Sensitive Land Uses

Noise-sensitive land uses are generally considered to include those uses where noise exposure could result in health-related risks to individuals, as well as places where quiet is an essential element of their intended purpose. Residential dwellings are of primary concern because of the potential for increased and prolonged exposure of individuals to both interior and exterior noise levels. Additional land uses such as hospitals, historic sites, cemeteries, and certain recreation areas are considered sensitive to increases in exterior noise levels. Schools, churches, hotels, libraries, and other places where low interior noise levels are essential are also considered noise-sensitive land uses.

The nearest existing noise-sensitive land uses to the Project are residences positioned adjacent to the northern and southern boundaries of the Project Limits (see Figure 1-1). These residences are generally separated from Pleasant Grove Boulevard by a six-foot-high masonry wall and 30-foot-wide vegetated buffer with sidewalks.

3.2 Existing Ambient Noise Environment

The American National Standards Institute (ANSI) Standard 12.9-2013/Part 3 "Quantities and Procedures for Description and Measurement of Environmental Sound – Part 3: Short-Term Measurements with an Observer Present" provides a table of approximate background sound levels in L_{dn} , daytime L_{eq} , and nighttime L_{eq} , based on land use and population density. The ANSI standard estimation divides land uses into six distinct categories. Descriptions of these land use categories, along with the typical daytime and nighttime levels, are provided in Table 3-1. At times, one could reasonably expect the occurrence of periods that are both louder and quieter than the levels listed in the table. ANSI notes, "95% prediction interval [confidence interval] is on the order of +/- 10 dB." The majority of the Project Limits would be considered ambient noise Category 1, due to the heavy traffic conditions currently experienced.

Category	Land Use	Description	People per Square Mile	Typical L_{dn}	Daytime L_{eq}	Nighttime L_{eq}
1	Noisy Commercial & Industrial Areas and Very Noisy Residential Areas	Very heavy traffic conditions, such as in busy, downtown commercial areas; at intersections for mass transportation or other vehicles, including elevated trains, heavy motor trucks, and other heavy traffic; and at street corners where many motor buses and heavy trucks accelerate.	63,840	67 dBA	66 dBA	58 dBA

Table 3-1. ANSI Standard 12.9-2013/Part 3 A-weighted Sound Levels Corresponding to Land Use and Population Density						
Category	Land Use	Description	People per Square Mile	Typical L_{dn}	Daytime L_{eq}	Nighttime L_{eq}
2	Moderate Commercial & Industrial Areas and Noisy Residential Areas	Heavy traffic areas with conditions similar to Category 1, but with somewhat less traffic; routes of relatively heavy or fast automobile traffic, but where heavy truck traffic is not extremely dense.	20,000	62 dBA	61 dBA	54 dBA
3	Quiet Commercial, Industrial Areas and Normal Urban & Noisy Suburban Residential Areas	Light traffic conditions where no mass-transportation vehicles and relatively few automobiles and trucks pass, and where these vehicles generally travel at moderate speeds; residential areas and commercial streets, and intersections, with little traffic, compose this category.	6,384	57 dBA	55 dBA	49 dBA
4	Quiet Urban & Normal Suburban Residential Areas	These areas are similar to Category 3, but for this group, the background is either distant traffic or is unidentifiable; typically, the population density is one-third the density of Category 3.	2,000	52 dBA	50 dBA	44 dBA
5	Quiet Residential Areas	These areas are isolated, far from significant sources of sound, and may be situated in shielded areas, such as a small wooded valley.	638	47 dBA	45 dBA	39 dBA
6	Very Quiet Sparse Suburban or rural Residential Areas	These areas are similar to Category 4 but are usually in sparse suburban or rural areas; and, for this group, there are few if any nearby sources of sound.	200	42 dBA	40 dBA	34 dBA

Source: The American National Standards Institute (ANSI) 2013

3.2.1 Existing Pleasant Grove Boulevard Noise Levels

Existing roadway noise levels were calculated for the roadway segments in the Project vicinity. This task was accomplished using the FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77-108) (see Attachment A) and traffic volumes from the Project's Traffic Study (Fehr & Peers 2022). The model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway

geometry, and site environmental conditions. The average vehicle noise rates (energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by Caltrans. The Caltrans data shows that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels. The average daily noise levels along these roadway segments are presented in Table 3-2.

Table 3-2. Existing (Baseline) Traffic Noise Levels for Residential Surrounding Uses	
Roadway Segment	L_{dn} at 75 feet from Centerline of Roadway (dBA)
Pleasant Grove Boulevard	
West of Woodcreek Oaks Boulevard	70.4
Between Woodcreek Oaks Boulevard & Birkdale Drive/Retreat Way	68.1
Between Birkdale Drive/Retreat Way & Country Club Drive	68.1
Between Country Club Drive & Laporte Drive/Hemingway Drive	68.4
Between Misty Wood Drive & Foothills Boulevard	68.8
East of Foothills Boulevard	69.8

As shown, the existing traffic-generated noise level on Project-vicinity roadways currently ranges from 68.1 to 70.4 dBA L_{dn}. L_{dn} is 24-hour average noise level with a 10 dBA “weighting” during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the nighttime. As previously described, environmental noise levels are generally considered moderate in the 60 to 70 dBA range and high above 70 dBA.

4.0 REGULATORY FRAMEWORK

4.1 Federal

4.1.1 Occupational Safety and Health Act of 1970

OSHA regulates onsite noise levels and protects workers from occupational noise exposure. To protect hearing, worker noise exposure is limited to 90 decibels with A-weighting (dBA) over an eight-hour work shift (29 Code of Regulations 1910.95). Employers are required to develop a hearing conservation program when employees are exposed to noise levels exceeding 85 dBA. These programs include provision of hearing protection devices and testing employees for hearing loss on a periodic basis.

4.1.2 National Institute of Occupational Safety and Health

A division of the U.S. Department of Health and Human Services, the National Institute for Occupational Safety and Health (NIOSH) has established a construction-related noise level threshold as identified in the Criteria for a Recommended Standard: Occupational Noise Exposure prepared in 1998. NIOSH identifies a noise level threshold based on the duration of exposure to the source. The NIOSH construction-related noise level threshold starts at 85 dBA for more than 8 hours per day; for every 3-dBA increase, the exposure time is cut in half. This reduction results in noise level thresholds of 88 dBA for more than 4 hours per day, 92 dBA for more than 1 hour per day, 96 dBA for more than 30 minutes per day, and up to 100 dBA for more than 15 minutes per day. The intention of these thresholds is to protect people from hearing losses resulting from occupational noise exposure.

4.2 State

4.2.1 State of California General Plan Guidelines

The State of California regulates vehicular and freeway noise affecting classrooms, sets standards for sound transmission and occupational noise control, and identifies noise insulation standards and airport noise/land-use compatibility criteria. The State of California General Plan Guidelines, published by the Governor's Office of Planning and Research (OPR, 2003), also provides guidance for the acceptability of projects within specific CNEL/L_{dn} contours. The guidelines also present adjustment factors that may be used in order to arrive at noise acceptability standards that reflect the noise control goals of the community, the particular community's sensitivity to noise, and the community's assessment of the relative importance of noise pollution.

4.2.2 State Office of Planning and Research Noise Element Guidelines

The State OPR *Noise Element Guidelines* include recommended exterior and interior noise level standards for local jurisdictions to identify and prevent the creation of incompatible land uses due to noise. The Noise Element Guidelines contain a Land Use Compatibility table that describes the compatibility of various land uses with a range of environmental noise levels in terms of the CNEL.

4.2.3 California Department of Transportation

In 2020, the California Department of Transportation (Caltrans) published the Transportation and Construction Vibration Manual (Caltrans 2020b). The manual provides general guidance on vibration issues associated with the construction and operation of projects concerning human perception and structural damage. Table 2-2 above presents recommendations for levels of vibration that could result in damage to structures exposed to continuous vibration.

4.3 Local

4.3.1 City of Roseville General Plan Noise Element

The Noise Element of the City of Roseville General Plan addresses noise-related issues within the community. Programs include protection of noise sensitive uses from excessive noise levels, as well as measures to protect noise generators from encroachment by noise sensitive uses. The following policies are applicable to the Proposed Project:

Policy N1.1 The City's exterior noise compatibility standards for uses affected by transportation noise sources are included as Table IX-1 [Table 4-1 of this Report]. Exterior noise levels shall be mitigated to the extent feasible using site planning, building orientation, and/or other construction techniques or design features. Noise barriers should only be used after other feasible noise reduction strategies are exhausted, and not where they would interrupt existing or future community pedestrian or bicycle connectivity.

Policy N1.2 The City's interior noise compatibility standards for uses affected by transportation noise sources are 45 dBA L_{dn} for noise-sensitive uses such as residences, lodging, hospitals, assisted living facilities, and other places where people normally sleep. For noise-sensitive uses where people do not sleep, such as offices, schools, and uses with similar noise sensitivity, noise levels should be no greater than 45 dBA L_{eq} . Proposed projects should incorporate noise reduction strategies, if necessary, to achieve these interior noise levels.

Policy N1.4 The City will require new transportation improvement projects to be designed to limit noise impacts consistent with the standards contained in Table IX-1 [Table 4-1 of this Report], to the extent feasible, through the use of appropriate attenuation techniques.

Policy N1.5 If existing noise levels exceed the noise compatibility standards in Table IX-1 [Table 4-1 of this Report] or Policy N1.2, then feasible methods of reducing noise to levels consistent with standards should be considered but are not required. However, if existing noise levels exceed noise compatibility standards, and a project results in a significant increase in noise (as defined below), then feasible methods of reducing noise to avoid a significant noise increase should

be applied. In no case should a project result in a Clearly Unacceptable noise level according to Table IX-1 [Table 4-1 of this Report].

- Where existing exterior noise is less than 60 dB, a ≥ 5 dBA increase in noise is significant.
- Where existing exterior noise is between 60 and 65 dBA, a ≥ 3 dB increase in noise is significant.
- Where existing exterior noise is greater than 65 dB a ≥ 1.5 dBA increase in noise is significant.

Policy N1.6 In order to facilitate reinvestment and economic development, if noise mitigation is found to be infeasible or in conflict with other City policies regarding community design, the City may elect to allow noise levels that exceed the noise standards identified in Table IX-1 [Table 4-1 of this Report], although in no case should application of this policy result in a Clearly Unacceptable noise level according to Table IX-1 [Table 4-1].

Policy N1.9 Construction-related noise that is consistent with the City's Noise Ordinance is exempt from the noise standards outlined in this Element.

Policy N1.10 Include all feasible measures necessary, as a part of proposed development and public infrastructure projects, to avoid substantial annoyance for adjacent vibration-sensitive uses, consistent with California Department of Transportation and Federal Transit Agency guidance.

Table 4-1. Exterior Noise Compatibility Standards for Uses Affected by Transportation Noise		
Land Use Category	Community Noise Exposure L_{dn} dBA	Acceptability
Residential	< 60	Normally Acceptable
	60 – 65	Conditionally Acceptable
	65 – 70	Normally Unacceptable
	> 70	Clearly Unacceptable
Lodging – Motels, Hotels	< 65	Normally Acceptable
	65 – 70	Conditionally Acceptable
	70 – 75	Normally Unacceptable
	> 75	Clearly Unacceptable

Table 4-1. Exterior Noise Compatibility Standards for Uses Affected by Transportation Noise		
Land Use Category	Community Noise Exposure L_{dn} dBA	Acceptability
Schools, Libraries, Places of Worship, Hospitals, Assisted Living	< 65	Normally Acceptable
	65 – 70	Conditionally Acceptable
	70 – 75	Normally Unacceptable
	> 75	Clearly Unacceptable
Auditoriums, Concert Halls, Amphitheaters	< 70	Conditionally Acceptable
	> 70	Clearly Unacceptable
Sports Arenas, Outdoor Spectator Sports	< 70	Conditionally Acceptable
	> 70	Clearly Unacceptable
Playgrounds, Neighborhood Parks	< 65	Normally Acceptable
	65 – 70	Conditionally Acceptable
	70 – 75	Normally Unacceptable
	> 75	Clearly Unacceptable
Golf Courses, Riding Stables, Water Recreation, Cemeteries	< 70	Normally Acceptable
	70 – 75	Normally Unacceptable
	> 80	Clearly Unacceptable
Office Buildings	< 65	Normally Acceptable
	65 – 70	Conditionally Acceptable
	70 – 75	Normally Unacceptable
	> 75	Clearly Unacceptable

Source: City of Roseville 2020

Notes: Land uses not listed on this table will be evaluated according to guidance for the land use category that is most similar with regard to noise sensitivity. The land use-noise compatibility standards apply to outdoor (exterior) activity areas associated with each land use. Outdoor activity areas are the portion of a noise-sensitive property where outdoor activities would normally be expected. Outdoor activity areas for the purposes of this element do not include gathering spaces alongside transportation corridors or associated public rights-of-way.

Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

Conditionally Acceptable: New construction or development should be taken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.

Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

Clearly Unacceptable: New construction or development should generally not be undertaken.

4.3.2 City of Roseville Municipal Code

Chapter 9.24 of the City of Roseville Municipal Codes states that construction (e.g., construction, alteration or repair activities) between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday, and between the hours of 8:00 a.m. and 8:00 p.m. Saturday and Sunday is exempt from City noise standards; provided, however, that all construction equipment shall be fitted with factory installed muffling devices and that all construction equipment shall be maintained in good working order.

5.0 IMPACT ASSESSMENT

5.1 Thresholds of Significance

The impact analysis provided below is based on the following California Environmental Quality Act Guidelines Appendix G thresholds of significance. The Project would result in a significant noise-related impact if it would result in the:

- 1) 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.
- 2) Generation of excessive groundborne vibration or groundborne noise levels.
- 3) 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.

For purposes of this analysis, the City noise standards were used for evaluation of Project-related noise impacts. As previously stated, Chapter 9.24 of the City of Roseville Municipal Codes states that construction (e.g., construction, alteration or repair activities) between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday, and between the hours of 8:00 a.m. and 8:00 p.m. Saturday and Sunday is exempt from City noise standards. In order to evaluate the potential health-related effects (physical damage to the ear and mental damage from lack of sleep or focus) from construction noise, construction equipment noise levels are calculated and compared against the construction-related noise level threshold established in the Criteria for a Recommended Standard: Occupational Noise Exposure prepared in 1998 by NIOSH, described above.

As shown in Table 3-1 above, existing exterior noise levels at the nearest noise-sensitive receptors already exceeds the conditionally acceptable ambient noise standard of 65 dBA L_{dn} . Thus, the increase in transportation-related noise associated with implementation of the Proposed Project is evaluated against Roseville General Plan Noise Element Policy N1.5, which states that if existing noise levels already exceed noise compatibility standards without implementation of a proposed project, a project's contribution to ambient noise is considered significant in the case of the following:

- Where existing exterior noise is less than 60 dB, a ≥ 5 dBA increase in noise is significant.
- Where existing exterior noise is between 60 and 65 dBA, a ≥ 3 dB increase in noise is significant.
- Where existing exterior noise is greater than 65 dB a ≥ 1.5 dBA increase in noise is significant.

5.2 Methodology

This analysis of the existing and future noise environments is based on empirical observations. Predicted construction noise levels were calculated utilizing the FHWA's Roadway Construction Noise Model (2006). Groundborne vibration levels associated with construction-related activities for the Project have been

evaluated utilizing typical groundborne vibration levels associated with construction equipment. Potential groundborne vibration impacts related to structural damage and human annoyance were evaluated, taking into account the distance from construction activities to nearby structures and typically applied criteria for structural damage and human annoyance. Transportation-source noise levels associated with the Project were calculated using the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108) with trip generation rates provided by Fehr & Peers (2022). As previously described, this model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by Caltrans. The Caltrans data shows that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels.

5.3 Impact Analysis

5.3.1 Would the Project Result in Short-Term Construction-Generated Noise in Excess of City Standards?

Onsite Construction Noise

Construction noise associated with the Proposed Project would be temporary and would vary depending on the specific nature of the activities being performed. Noise generated would primarily be associated with the operation of off-road equipment for onsite construction activities as well as construction vehicle traffic on area roadways. Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g., site preparation, excavation, paving). Noise generated by construction equipment, including earth movers, pile drivers, and portable generators, can reach high levels. Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). During construction, exterior noise levels could negatively affect sensitive land uses in the vicinity of the construction site.

The nearest existing noise-sensitive land uses to the Project are residences positioned adjacent to the northern and southern boundaries of the Project Limits (see Figure 1-1). These residences are generally separated from Pleasant Grove Boulevard by a six-foot-high masonry wall and 30-foot-wide vegetated buffer with sidewalks. As previously described, the City of Roseville General Plan Noise Element Policy N1.9 states construction-related noise that is consistent with the City's Municipal Code is exempt from City noise standards. Chapter 9.24 of the City of Roseville Municipal Codes states that construction (e.g., construction, alteration or repair activities) between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday, and between the hours of 8:00 a.m. and 8:00 p.m. Saturday and Sunday, is exempt from City noise standards. The Project is proposing that construction activities take place between 7:00 a.m. and 7:00 p.m. Monday through Friday and between 8:00 a.m. and 8:00 p.m. Saturday and Sunday, in compliance with City Municipal Code Chapter 9.24.

To estimate the worst-case onsite construction noise levels that may occur at the nearest noise-sensitive receptors and in order to evaluate the potential health-related effects (physical damage to the ear) from construction noise, the construction equipment noise levels were calculated using the Roadway Noise Construction Model and compared against the construction-related noise level threshold established in the Criteria for a Recommended Standard: Occupational Noise Exposure prepared in 1998 by NIOSH. A division of the U.S. Department of Health and Human Services, NIOSH identifies a noise level threshold based on the duration of exposure to the source. The NIOSH construction-related noise level threshold starts at 85 dBA for more than 8 hours per day; for every 3-dBA increase, the exposure time is cut in half. This reduction results in noise level thresholds of 88 dBA for more than 4 hours per day, 92 dBA for more than 1 hour per day, 96 dBA for more than 30 minutes per day, and up to 100 dBA for more than 15 minutes per day. For the purposes of this analysis, the lowest, more conservative threshold of 85 dBA L_{eq} is used as an acceptable threshold for construction noise at the nearby sensitive receptors.

It is acknowledged that the majority of construction equipment is not situated at any one location during construction activities, but rather spread throughout the linear Project Limits and at various distances from sensitive receptors. Therefore, this analysis employs the FTA guidance for calculating construction noise, which recommends measuring construction noise produced by all construction equipment from the center of the Project Site (FTA 2018), which in this case is represented by the median of Pleasant Grove Boulevard, which is approximately 85 feet from the nearest sensitive receptor. The anticipated short-term construction noise levels generated for the necessary equipment is presented in Table 5-1.

Table 5-1. Construction Average (dBA) Noise Levels at Nearest Residential Receptors			
Equipment	Estimated Exterior Construction Noise Level at Existing Residences (dBA)	Construction Noise Standards (dBA L_{eq})	Exceeds Standards?
Phase 1	79.9	85	No
Phase 2	82.4	85	No
Phase 3	83.7	85	No
Phase 4	79.9	85	No

Source: Construction noise levels were calculated by ECORP Consulting using the FHWA Roadway Noise Construction Model (FHWA 2006). Refer to Attachment B for Model Data Outputs.

Notes: Construction equipment used during construction derived from Table 1-2 above and the Roadway Construction Emissions Model (RCEM). RCEM contains default construction equipment and usage parameters for typical roadway construction projects. The nearest residence is located approximately 85 feet from median of Pleasant Grove Boulevard.

L_{eq} = The equivalent energy noise level, is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.

As shown in Table 5-1, Project onsite construction activities would not exceed the NIOSH threshold of 85 dBA L_{eq} at the nearest noise-sensitive receptors.

Offsite Construction Traffic Noise

Construction associated with the Project would result in additional traffic on adjacent roadways over the period that construction occurs. According to the RCEM, which is used to predict the number of on-road Project construction-related trips, construction would not instigate more than 96 trips in a single day (up to 46 construction worker commute trips and up to 50 haul truck trips). According to the Caltrans *Technical Noise Supplement to the Traffic Noise Analysis Protocol* (2013), doubling of traffic on a roadway is required to result in an increase of 3 dB (outside of the laboratory, a 3-dBA change is considered a just-perceivable difference). The Project Limits are predominantly contained within Pleasant Grove Boulevard, which is regionally accessible from SR 65. According to the Traffic Study prepared for the Project, the segment of Pleasant Grove Boulevard contained within the Project Limits currently accommodates between 31,500 and 52,000 average daily traffic trips (Fehr & Peers 2022). Per Caltrans traffic counts, the segment of SR 65 traversing the Pleasant Grove Boulevard onramps currently accommodates an average daily traffic count of 100,000 vehicles (Caltrans 2021). Thus, Project construction would not result in a doubling of traffic, and therefore its contribution to existing traffic noise would not be perceptible. Additionally, it is noted that construction is temporary, and construction-related trips would cease upon completion of construction.

5.3.2 Would the Project Result in a Substantial Permanent Increase in Ambient Noise Levels in Excess of City Standards During Operations?

As previously described, noise-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would each be considered noise-sensitive and may warrant unique measures for protection from intruding noise. The nearest existing noise-sensitive land uses to the Project are residences positioned adjacent to the northern and southern boundaries of the Project Limits (see Figure 1-1). These residences are generally separated from Pleasant Grove Boulevard by a six-foot-high masonry wall and 30-foot-wide vegetated buffer with sidewalks.

Operational Traffic Noise

Future traffic noise levels on Pleasant Grove Boulevard were modeled based on traffic volumes identified by Fehr & Peers (2022). Table 5-2 shows the calculated Pleasant Grove Boulevard noise levels under existing traffic levels compared to future traffic levels resulting from implementation of the Project. The calculated noise levels as a result of the Project at affected sensitive land uses are compared to the maximum allowable noise exposure standard promulgated in the Roseville General Plan Noise Element. As shown in Table 3-1 above, existing exterior noise levels at the nearest noise-sensitive receptors already exceeds the conditionally acceptable ambient noise standard of 65 dBA L_{dn} without implementation of the Project. Thus, the increase in transportation-related noise associated with implementation of the Proposed Project is evaluated against Roseville General Plan Noise Element Policy N1.5, which states that if existing noise levels already exceed noise compatibility standards without implementation of a proposed project, a project's contribution to ambient noise is considered significant in the case of the following:

- Where existing exterior noise is less than 60 dB, a ≥ 5 dBA increase in noise is significant.

- Where existing exterior noise is between 60 and 65 dBA, a ≥ 3 dB increase in noise is significant.
- Where existing exterior noise is greater than 65 dB a ≥ 1.5 dBA increase in noise is significant.

Table 5-2. Existing Plus Project Conditions Predicted Traffic Noise Levels					
Roadway Segment	Surrounding Uses	L_{dn} at 75 feet from Centerline of Roadway		Standard	Exceed Standard ?
		Existing	Existing + Project		
Pleasant Grove Boulevard					
West of Woodcreek Oaks Boulevard	Residential	70.4 dBA	70.4 dBA	≥ 1.5 dBA	No
Between Woodcreek Oaks Boulevard & Birkdale Drive/Retreat Way	Residential	68.1 dBA	68.3 dBA	≥ 1.5 dBA	No
Between Birkdale Drive/Retreat Way & Country Club Drive	Residential	68.1 dBA	68.4 dBA	≥ 1.5 dBA	No
Between Country Club Drive & Laporte Drive/Hemingway Drive	Residential	68.4 dBA	68.6 dBA	≥ 1.5 dBA	No
Between Misty Wood Drive & Foothills Boulevard	Residential	68.8 dBA	68.8 dBA	≥ 1.5 dBA	No
East of Foothills Boulevard	Residential	69.8 dBA	69.8 dBA	≥ 1.5 dBA	No

Source: Traffic noise levels were calculated by ECORP using the FHWA traffic noise prediction model in conjunction with the trip generation rate identified by Fehr & Peers (2022). Refer to Attachment A for traffic noise modeling assumptions and results.

As show in Table 5-2, predicted increases in traffic noise levels associated with the Project would be less than the City of Roseville significance threshold.

5.3.3 Would the Project Expose Structures to Substantial Groundborne Vibration During Construction?

Excessive groundborne vibration impacts result from continuously occurring vibration levels. Increases in groundborne vibration levels attributable to the Project would be primarily associated with short-term construction-related activities. Construction on the Project Site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance.

Construction-related ground vibration is normally associated with impact equipment such as pile drivers, jackhammers, and the operation of some heavy-duty construction equipment, such as dozers and trucks. It is noted that pile drivers would not be necessary during Project construction. Vibration decreases rapidly with distance, and it is acknowledged that construction activities would occur throughout the Project Site and would not be concentrated at the point closest to sensitive receptors. Groundborne vibration levels associated with typical construction equipment at 25 feet distant are summarized in Table 5-3.

Table 5-3. Representative Vibration Source Levels for Construction Equipment	
Equipment Type	Peak Particle Velocity at 25 Feet (inches per second)
Large Bulldozer	0.089
Pile Driver	0.170
Loaded Trucks	0.076
Hoe Ram	0.089
Jackhammer	0.035
Small Bulldozer/Tractor	0.003
Vibratory Roller	0.210

Source: FTA 2018; Caltrans 2020b

The City of Roseville does not promulgate a numeric threshold regulating vibrations associated with construction. General Plan Policy N1.10 requires the inclusion of all feasible measures necessary, as a part of proposed development and public infrastructure projects, to avoid substantial annoyance for adjacent vibration-sensitive uses consistent with California Department of Transportation and Federal Transit Agency guidance. Thus, the Caltrans (2020b) recommended standard of 0.2 inch per second PPV with respect to the prevention of structural damage for older residential buildings is used as a threshold. This is also the level at which vibrations may begin to annoy people in buildings. Consistent with FTA recommendations for calculating construction vibration, construction vibration was measured from the center of the Project Site (FTA 2018). The nearest structure of concern to the construction site, with regard to groundborne vibrations, are residences approximately 85 feet from the Project Site.

Based on the representative vibration levels presented for various construction equipment types in Table 5-3 and the construction vibration assessment methodology published by the FTA (2018), it is possible to estimate the potential project construction vibration levels. The FTA provides the following equation:

$$[PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}]$$

Table 5-4 presents the expected Project related vibration levels at a distance of 85 feet.

Table 5-4. Construction Vibration Levels at 85 Feet							
Receiver PPV Levels (in/sec)¹					Peak Vibration	Threshold	Exceed Threshold
Large Bulldozer, Caisson Drilling, & Hoe Ram	Loaded Trucks	Jackhammer	Pile Driver	Vibratory Roller			
0.01	0.01	0.00	0.02	0.03	0.03	0.2	No

Notes: ¹Based on the Vibration Source Levels of Construction Equipment included on Table 5-3 (FTA 2018). Distance to the nearest structure of concern is approximately 85 feet measured from Project Site boundary.

As shown in Table 5-4, vibration as a result of construction activities would not exceed 0.2 PPV at the nearest structure. Thus, Project construction would not exceed the recommended threshold.

5.3.4 Would the Project Expose Structures to Substantial Groundborne Vibration During Operations?

Project operations would not include the use of any large-scale stationary equipment that would result in excessive vibration levels. Therefore, the Project would not result groundborne vibration impacts during operations.

5.3.5 Would the Project Expose People Residing or Working in the Project area to Excessive Airport Noise?

The Project Site is located approximately nine miles northeast of the Sacramento McClellan Airport and is located outside of the boundaries of the McClellan Airport land use plan. Since the site is outside the land use plan boundaries it is beyond the noise contours generated by airport operations. The Proposed Project would not expose people working to implement the Project to excess airport noise levels.

5.3.6 Cumulative Noise

5.3.6.1 Would the Project Contribute to Cumulatively Considerable Noise During Construction?

Construction activities associated with the Proposed Project and other construction projects in the area may overlap, resulting in construction noise in the area. However, construction noise impacts primarily affect the areas adjacent to the construction site. Construction noise for the Project was determined to be less than significant following compliance with City noise standards. Cumulative development in the vicinity of the Project Site could result in elevated construction noise levels at sensitive receptors in the Project vicinity. However, each project would be required to comply with the applicable noise limitations on construction. Therefore, the Project would not contribute to cumulative impacts during construction.

5.3.6.2 Would the Project Contribute to Cumulatively Considerable Noise from Offsite Traffic?

As described previously, Project operations would result in extremely minimal additional traffic on adjacent roadways. The only visitors to the site would be that of water deliveries, repair or maintenance work that would be done infrequently. Thus, any cumulative noise impacts from project-related traffic would be minimal. Therefore, the Project's contribution to cumulative noise impacts from traffic would be less than significant.

Cumulative traffic noise levels from Pleasant Grove Boulevard were modeled based on the traffic volumes identified by Fehr & Peers (2022). Table 5-5 shows the calculated roadway noise levels under cumulative conditions without the Project (Cumulative No Project) compared to cumulative conditions plus implementation of the Project (Cumulative Plus Project). The calculated noise levels as a result of Cumulative Plus Project conditions at affected sensitive land uses are compared to the noise standards promulgated by Roseville General Plan Policy N1.5.

Table 5-5. Cumulative Plus Project Conditions Predicted Traffic Noise Levels for Residential Surrounding Land Uses				
Roadway Segment	L_{dn} at 75 feet from Centerline of Roadway		Standard	Exceed Standard?
	Cumulative No Project	Cumulative + Project		
Pleasant Grove Boulevard				
West of Woodcreek Oaks Boulevard	71.7 dBA	71.8 dBA	≥ 1.5 dBA	No
Between Woodcreek Oaks Boulevard & Birkdale Drive/Retreat Way	68.7 dBA	69.7 dBA	≥ 1.5 dBA	No
Between Birkdale Drive/Retreat Way & Country Club Drive	68.7 dBA	69.7 dBA	≥ 1.5 dBA	No
Between Country Club Drive & Laporte Drive/Hemingway Drive	69.2 dBA	69.9 dBA	≥ 1.5 dBA	No
Between Misty Wood Drive & Foothills Boulevard	69.1 dBA	69.9 dBA	≥ 1.5 dBA	No
East of Foothills Boulevard	70.0 dBA	70.1 dBA	≥ 1.5 dBA	No

Source: Traffic noise levels were calculated by ECORP using the FHWA traffic noise prediction model in conjunction with the trip generation rate identified by Fehr & Peers (2022). Refer to Attachment A for traffic noise modeling assumptions and results.

As shown in Table 5-5, predicted increases in traffic noise levels associated with the Project cumulative scenario would be less than the City of Roseville threshold.

6.0 REFERENCES

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LIST OF ATTACHMENTS

Attachment A - Federal Highway Administration Traffic Noise Prediction Model Outputs

Attachment B – Federal Highway Administration Roadway Construction Noise Outputs

Federal Highway Administration Traffic Noise Prediction Model Outputs

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Existing**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: L_{dn} : x CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hour dB(A) _{Leq}	Traffic Volumes 24-Hour			
														24-Hour dB(A) _{Ldn}	Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	3,500	31,500	45	75	0	0	1.8%	0.7%	72.0	70.4	24,476	4,001	3,024
	Between Woodcreek Oak & Birkdale/Retreat	Residential	4	0	4,067	36,600	45	75	0	-3	1.8%	0.7%	69.7	68.1	28,438	4,648	3,514
	Between Birkdale/Retreat & Country Club Dr	Residential	4	0	4,122	37,100	45	75	0	-3	1.8%	0.7%	69.8	68.1	28,827	4,712	3,562
	Between Country Club Dr & Laporte/Hemingway	Residential	4	0	4,378	39,400	45	75	0	-3	1.8%	0.7%	70.0	68.4	30,614	5,004	3,782
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,578	41,200	45	75	0	-3	1.8%	0.7%	70.5	68.8	32,012	5,232	3,955
	East of Foothills Blvd	Residential	6	0	5,778	52,000	45	75	0	-3	1.8%	0.7%	71.5	69.8	40,404	6,604	4,992

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Existing Plus Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x \text{ CNEL}$

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hour dB(A) _{Leq}	Traffic Volumes 24-Hour			
														24-Hour dB(A) _{Ldn}	Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	3,500	31,500	45	75	0	0	1.8%	0.7%	72.0	70.4	24,476	4,001	3,024
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	4,067	36,600	45	75	0	-3	1.8%	0.7%	70.0	68.3	28,438	4,648	3,514
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	4,122	37,100	45	75	0	-3	1.8%	0.7%	70.0	68.4	28,827	4,712	3,562
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	4,378	39,400	45	75	0	-3	1.8%	0.7%	70.3	68.6	30,614	5,004	3,782
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,578	41,200	45	75	0	-3	1.8%	0.7%	70.5	68.8	32,012	5,232	3,955
	East of Foothills Blvd	Residential	6	0	5,778	52,000	45	75	0	-3	1.8%	0.7%	71.5	69.8	40,404	6,604	4,992

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Cumulative No Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: L_{dn} : x CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	4,656	41,900	45	75	0	0	1.8%	0.7%	73.3	71.7	32,556	5,321	4,022
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	4,433	39,900	45	75	0	-3	1.8%	0.7%	70.3	68.7	31,002	5,067	3,830
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	4,400	39,600	45	75	0	-3	1.8%	0.7%	70.3	68.7	30,769	5,029	3,802
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	4,978	44,800	45	75	0	-3	1.8%	0.7%	70.8	69.2	34,810	5,690	4,301
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,833	43,500	45	75	0	-3	1.8%	0.7%	70.7	69.1	33,800	5,525	4,176
	East of Foothills Blvd	Residential	6	0	6,000	54,000	45	75	0	-3	1.8%	0.7%	71.6	70.0	41,958	6,858	5,184

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Cumulative Plus Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x \text{ CNEL}$

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	4,767	42,900	45	75	0	0	1.8%	0.7%	73.4	71.8	33,333	5,448	4,118
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	5,644	50,800	45	75	0	-3	1.8%	0.7%	71.4	69.7	39,472	6,452	4,877
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	5,622	50,600	45	75	0	-3	1.8%	0.7%	71.4	69.7	39,316	6,426	4,858
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	5,900	53,100	45	75	0	-3	1.8%	0.7%	71.6	69.9	41,259	6,744	5,098
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	5,833	52,500	45	75	0	-3	1.8%	0.7%	71.5	69.9	40,793	6,668	5,040
	East of Foothills Blvd	Residential	6	0	6,178	55,600	45	75	0	-3	1.8%	0.7%	71.8	70.1	43,201	7,061	5,338

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

Federal Highway Administration Roadway Construction Noise Outputs

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 1

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	85	0
Gradall	No	40		83.4	85	0
Gradall	No	40		83.4	85	0
Flat Bed Truck	No	40		74.3	85	0
Pickup Truck	No	40		75	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	75.9	68
Gradall	78.8	74.8
Gradall	78.8	74.8
Flat Bed Truck	69.6	65.7
Pickup Truck	70.4	66.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	78.8	79.9

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 2

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
			Excavator	No		
Excavator	No	40		80.7	85	0
Excavator	No	40		80.7	85	0
Grader	No	40	85		85	0
Grader	No	40	85		85	0
Dump Truck	No	40		76.5	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Excavator	76.1	72.1
Excavator	76.1	72.1
Excavator	76.1	72.1
Grader	80.4	76.4
Grader	80.4	76.4
Dump Truck	71.8	67.9
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	80.4	82.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 3

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
			Concrete Pump Truck	No		
Grader	No	40	85		85	0
Dump Truck	No	40		76.5	85	0
Compactor (ground)	No	20		83.2	85	0
Pumps	No	50		80.9	85	0
Gradall	No	40		83.4	85	0
Paver	No	50		77.2	85	0
Pavement Scarafier	No	20		89.5	85	0
Roller	No	20		80	85	0
Roller	No	20		80	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Concrete Pump Truck	76.8	69.8
Grader	80.4	76.4
Dump Truck	71.8	67.9
Compactor (ground)	78.6	71.6
Pumps	76.3	73.3
Gradall	78.8	74.8
Paver	72.6	69.6
Pavement Scarafier	84.9	77.9
Roller	75.4	68.4
Roller	75.4	68.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	84.9	83.7

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 4

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	85	0
Gradall	No	40		83.4	85	0
Gradall	No	40		83.4	85	0
Flat Bed Truck	No	40		74.3	85	0
Pickup Truck	No	40		75	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	75.9	68
Gradall	78.8	74.8
Gradall	78.8	74.8
Flat Bed Truck	69.6	65.7
Pickup Truck	70.4	66.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	78.8	79.9

*Calculated Lmax is the Loudest value.

APPENDIX G

Noise Assessment

G-1: Noise Impact Assessment for the Pleasant Grove Boulevard Widening Project (ECORP Consulting, Inc. July 2022.)

G-2: Traffic Noise Model Output

G-3: Construction Noise Model Output

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Existing**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x \text{ CNEL}$

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	3,500	31,500	45	75	0	0	1.8%	0.7%	72.0	70.4	24,476	4,001	3,024
	Between Woodcreek Oak & Birkdale/Retreat	Residential	4	0	4,067	36,600	45	75	0	-3	1.8%	0.7%	69.7	68.1	28,438	4,648	3,514
	Between Birkdale/Retreat & Country Club Dr	Residential	4	0	4,122	37,100	45	75	0	-3	1.8%	0.7%	69.8	68.1	28,827	4,712	3,562
	Between Country Club Dr & Laporte/Hemingway	Residential	4	0	4,378	39,400	45	75	0	-3	1.8%	0.7%	70.0	68.4	30,614	5,004	3,782
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,578	41,200	45	75	0	-3	1.8%	0.7%	70.5	68.8	32,012	5,232	3,955
	East of Foothills Blvd	Residential	6	0	5,778	52,000	45	75	0	-3	1.8%	0.7%	71.5	69.8	40,404	6,604	4,992

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Existing Plus Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x \text{ CNEL}$

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	3,500	31,500	45	75	0	0	1.8%	0.7%	72.0	70.4	24,476	4,001	3,024
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	4,067	36,600	45	75	0	-3	1.8%	0.7%	70.0	68.3	28,438	4,648	3,514
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	4,122	37,100	45	75	0	-3	1.8%	0.7%	70.0	68.4	28,827	4,712	3,562
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	4,378	39,400	45	75	0	-3	1.8%	0.7%	70.3	68.6	30,614	5,004	3,782
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,578	41,200	45	75	0	-3	1.8%	0.7%	70.5	68.8	32,012	5,232	3,955
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According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Cumulative No Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x$ CNEL: _____

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	4,656	41,900	45	75	0	0	1.8%	0.7%	73.3	71.7	32,556	5,321	4,022
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	4,433	39,900	45	75	0	-3	1.8%	0.7%	70.3	68.7	31,002	5,067	3,830
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	4,400	39,600	45	75	0	-3	1.8%	0.7%	70.3	68.7	30,769	5,029	3,802
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	4,978	44,800	45	75	0	-3	1.8%	0.7%	70.8	69.2	34,810	5,690	4,301
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	4,833	43,500	45	75	0	-3	1.8%	0.7%	70.7	69.1	33,800	5,525	4,176
	East of Foothills Blvd	Residential	6	0	6,000	54,000	45	75	0	-3	1.8%	0.7%	71.6	70.0	41,958	6,858	5,184

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According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

TRAFFIC NOISE LEVELS

Project Number: 2021-260

Project Name: Pleasant Grove Boulevard Widening Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): **Cumulative Plus Project**

Source of Traffic Volumes: Fehr & Peers

Community Noise Descriptor: $L_{dn} = x$ CNEL: _____

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center	Alpha Factor	Barrier Attn. dB(A) ¹	Vehicle Mix		Peak Hour dB(A) _{Leq}	24-Hour dB(A) _{Ldn}	Traffic Volumes		
											Medium Trucks	Heavy Trucks			Day	Eve	Night
Pleasant Grove Boulevard																	
	West of Woodcreek Oaks Blvd	Residential	4	0	4,767	42,900	45	75	0	0	1.8%	0.7%	73.4	71.8	33,333	5,448	4,118
	Between Woodcreek Oak & Birkdale/Retreat	Residential	6	0	5,644	50,800	45	75	0	-3	1.8%	0.7%	71.4	69.7	39,472	6,452	4,877
	Between Birkdale/Retreat & Country Club Dr	Residential	6	0	5,622	50,600	45	75	0	-3	1.8%	0.7%	71.4	69.7	39,316	6,426	4,858
	Between Country Club Dr & Laporte/Hemingway	Residential	6	0	5,900	53,100	45	75	0	-3	1.8%	0.7%	71.6	69.9	41,259	6,744	5,098
	Between Misty Wood Dr & Foothills Blvd	Residential	6	0	5,833	52,500	45	75	0	-3	1.8%	0.7%	71.5	69.9	40,793	6,668	5,040
	East of Foothills Blvd	Residential	6	0	6,178	55,600	45	75	0	-3	1.8%	0.7%	71.8	70.1	43,201	7,061	5,338

¹A barrier attenuation of 3 dBA was applied for all roadway segments east of Woodcreek Oak Blvd to account for the intervening 6 foot high masonry walls between Pleasant Grove Boulevard and adjacent residences.

According to the FHWA (2006), if a noise barrier or other obstruction just barely breaks the line-of-sight between the noise source and the receptor, an attenuation factor of 3 dBA is applied. [FHWA. 2006. Roadway Construction Noise Model User's Guide].

APPENDIX G

Noise Assessment

G-1: Noise Impact Assessment for the Pleasant Grove Boulevard
Widening Project (ECORP Consulting, Inc. July 2022.)

G-2: Traffic Noise Model Output

G-3: Construction Noise Model Output

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 1

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	85	0
Gradall	No	40		83.4	85	0
Gradall	No	40		83.4	85	0
Flat Bed Truck	No	40		74.3	85	0
Pickup Truck	No	40		75	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	75.9	68
Gradall	78.8	74.8
Gradall	78.8	74.8
Flat Bed Truck	69.6	65.7
Pickup Truck	70.4	66.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	78.8	79.9

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 2

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
			Excavator	No		
Excavator	No	40		80.7	85	0
Excavator	No	40		80.7	85	0
Grader	No	40	85		85	0
Grader	No	40	85		85	0
Dump Truck	No	40		76.5	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Excavator	76.1	72.1
Excavator	76.1	72.1
Excavator	76.1	72.1
Grader	80.4	76.4
Grader	80.4	76.4
Dump Truck	71.8	67.9
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	80.4	82.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 3

Description Land Use
Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
			Concrete Pump Truck	No		
Grader	No	40	85		85	0
Dump Truck	No	40		76.5	85	0
Compactor (ground)	No	20		83.2	85	0
Pumps	No	50		80.9	85	0
Gradall	No	40		83.4	85	0
Paver	No	50		77.2	85	0
Pavement Scarafier	No	20		89.5	85	0
Roller	No	20		80	85	0
Roller	No	20		80	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Concrete Pump Truck	76.8	69.8
Grader	80.4	76.4
Dump Truck	71.8	67.9
Compactor (ground)	78.6	71.6
Pumps	76.3	73.3
Gradall	78.8	74.8
Paver	72.6	69.6
Pavement Scarafier	84.9	77.9
Roller	75.4	68.4
Roller	75.4	68.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	84.9	83.7

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/16/2022

Case Description: Pleasant Grove Boulevard Widening Project - Phase 4

Description **Land Use**
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	85	0
Gradall	No	40		83.4	85	0
Gradall	No	40		83.4	85	0
Flat Bed Truck	No	40		74.3	85	0
Pickup Truck	No	40		75	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0
Backhoe	No	40		77.6	85	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	75.9	68
Gradall	78.8	74.8
Gradall	78.8	74.8
Flat Bed Truck	69.6	65.7
Pickup Truck	70.4	66.4
Backhoe	73	69
Backhoe	73	69
Backhoe	73	69
Total	78.8	79.9

*Calculated Lmax is the Loudest value.

APPENDIX H

Pleasant Grove Widening Project Traffic Study
(Fehr & Peers. March 2022)

Pleasant Grove Widening Project Traffic Study

Prepared for:



PSOMAS

March 2022

RS21-4099

FEHR  PEERS

Table of Contents

1. Project Introduction.....	1
1.1 Project Description.....	1
1.2 Study Area.....	1
1.3 Analysis Scenarios.....	2
1.4 Analysis Methods.....	2
1.4.1 Level of Service (LOS).....	2
1.4.2 Queuing.....	3
1.4.3 Average Daily Traffic (ADT).....	3
1.5 Performance Targets.....	4
2. Existing Conditions.....	5
2.1 Traffic Volumes.....	5
2.2 Average Daily Traffic.....	7
2.3 Level of Service.....	8
3. Existing Plus Project Conditions.....	9
3.1 Traffic Volumes.....	9
3.2 Level Of Service.....	11
3.3 Queuing.....	12
4. Cumulative (2035) No Project Conditions.....	14
4.1 Traffic Volumes.....	14
4.2 Average Daily Traffic.....	16
4.3 Level Of Service.....	17
5. Cumulative (2035) Plus Project Conditions.....	18
5.1 Traffic Volumes.....	18
5.2 Average Daily Traffic.....	20
5.3 Level Of Service.....	21
5.4 Queuing.....	22
6. Design Recommendations.....	24
6.1 Flashing Yellow Arrow Evaluation.....	24
6.2 Left-Turns.....	25
6.3 Lane Configurations and Storage.....	26

List of Figures

Figure 1: Peak Hour Traffic Volumes and Lane Configurations - Existing Conditions	6
Figure 2: Peak Hour Traffic Volumes and Lane Configurations – Existing Plus Project Conditions.....	10
Figure 3: Peak Hour Traffic Volumes and Lane Configurations – Cumulative No Project Conditions	15
Figure 4: Peak Hour Traffic Volumes and Lane Configurations – Cumulative Plus Project Conditions	19
Figure 5: Flashing Yellow Arrow Sight Distance	24
Figure 6: Positive Offset Left-Turns	25
Figure 7: Pleasant Grove Blvd/Foothills Blvd Westbound Left-Turn Storage	26

List of Tables

Table 1: Intersection LOS Criteria.....	3
Table 2: ADT – Existing Conditions.....	7
Table 3: Level of Service – Existing Conditions	8
Table 5: Level of Service – Existing Plus Project Conditions.....	11
Table 6: Queuing – Existing Plus Project Conditions.....	12
Table 7: ADT – Cumulative No Project Conditions.....	16
Table 8: Level of Service – Cumulative No Project Conditions.....	17
Table 9: ADT – Cumulative Plus Project Conditions	20
Table 10: Level of Service – Cumulative Plus Project Conditions	21
Table 11: Queuing – Cumulative Plus Project Conditions	22

Appendices

Technical Appendix
Attachments

1. Project Introduction

This study analyzes the traffic impacts of the proposed Pleasant Grove Widening Project (i.e., "Proposed Project"), which would widen one mile of Pleasant Grove Boulevard from approximately 450 feet west of Woodcreek Oaks Boulevard to 900 feet east of Foothills Boulevard. The study analyzes traffic under the following scenarios:

- Existing,
- Existing Plus Project,
- Cumulative (2035) No Project, and
- Cumulative (2035) Plus Project.

1.1 Project Description

The project would widen Pleasant Grove Boulevard in Roseville, CA from four to six travel lanes, configured as three eastbound and three westbound lanes, from the existing six-lane section east of Foothills Boulevard westerly through Woodcreek Oaks Boulevard.

The widening of Pleasant Grove Boulevard between Misty Wood Drive and Woodcreek Oaks Boulevard would be completed by removal of a portion of the median and adding travel lanes on the inside. At Foothills Boulevard, the pedestrian island on the northwest corner would be removed. East of Foothills Boulevard, widening would be completed by relocating the channelized right-turn island farther north and widening the roadway to shift the right turn lane north, allowing room for an additional westbound through lane. West of Woodcreek Oaks Boulevard, striping would be modified to open the inside eastbound through lane and the inside westbound receiving lane.

At the three side-street stop-controlled intersections within the project (intersections 2, 4, and 5), only right-turns will be allowed for outbound motorists exiting each neighborhood. This is due to City policy prohibiting left turns or through movements across an uncontrolled 6-lane roadway. Channelized left-turn ingress lane(s) would be constructed to physically restrict the left-turn and through movements from these side streets.

The attached preliminary exhibit by Psomas was used to incorporate project geometry into the "plus project" analyses.

1.2 Study Area

Potential project impacts are analyzed at six study intersections along the project segment of Pleasant Grove Boulevard between Foothills Boulevard and Woodcreek Oaks Boulevard (see Figure 1). The study area includes three signalized intersections and three unsignalized intersections along Pleasant Grove Boulevard.



1.3 Analysis Scenarios

The following scenarios are analyzed in this report:

- Existing Conditions - represents the existing setting upon which project-specific impacts are judged.
- Existing Plus Project (EPP) Conditions - represents existing conditions and volumes plus the widening of Pleasant Grove Boulevard.
- Cumulative No Project (CNP) (2035) Conditions – assumes planned City of Roseville capital improvements and development of numerous reasonable and foreseeable land uses in the study area and additional land uses and roadway network improvements, but no widening of Pleasant Grove Boulevard.
- Cumulative Plus Project (CPP) (2035) Conditions – assumes planned City of Roseville capital improvements and development of numerous reasonable and foreseeable land uses in the study area and additional land uses and roadway network improvements, which already includes the widening of Pleasant Grove Boulevard.

1.4 Analysis Methods

1.4.1 Level of Service (LOS)

Level of service (LOS) is a qualitative measure of traffic operating conditions whereby a letter grade, from A (the best) to F (the worst), is assigned. These grades represent the perspective of drivers and are an indication of the comfort and convenience associated with driving. In general, LOS A represents free-flow conditions with no congestion, and LOS F represents severe congestion and delay under stop-and-go conditions. See Table 1 for intersection LOS criteria. LOS results reported throughout this document are determined using the procedures and methodology contained in the Highway Capacity Manual 6th Edition.

To provide consistency with other studies, this study uses the deterministic Synchro software program to analyze all study intersections except Pleasant Grove Boulevard/Foothills Boulevard for PM peak hour conditions. This intersection was analyzed using the SimTraffic 11 micro-simulation model due to its level of congestion and coordinated traffic signal progression.



Table 1: Intersection LOS Criteria

Level of Service	Description (for signalized intersections)	Average Delay (Seconds/Vehicle)	
		Signalized	Unsignalized
A	Operations with very low delay occurring with favorable traffic signal progression and/or short cycle lengths.	< 10.0	< 10.0
B	Operations with low delay occurring with good progression and/or short cycle lengths.	> 10.0 to 20.0	> 10.0 to 15.0
C	Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	> 20.0 to 35.0	> 15.0 to 25.0
D	Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and individual cycle failures are noticeable.	> 35.0 to 55.0	> 25.0 to 35.0
E	Operations with high delay values indicating poor progression, and long cycle lengths. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	> 55.0 to 80.0	> 35.0 to 50.0
F	Operations with delays unacceptable to most drivers occurring due to over-saturation, poor progression, or very long cycle lengths.	> 80.0	> 50.0

Note: LOS = level of service; V/C ratio = volume-to-capacity ratio
 Source: Transportation Research Board, 2016.

1.4.2 Queuing

Queuing was evaluated for plus-project conditions (EPP and CPP) using the SimTraffic 11 micro-simulation model to provide input for design decisions. All reported queuing results represent the average maximum queues for 10 simulation runs.

1.4.3 Average Daily Traffic (ADT)

Average daily traffic (ADT) is the sum of all vehicles over a 24-hour period. Comparison of No Project and Plus Project ADT can provide understanding of the overall impacts of a project on the transportation system. ADT is typically reported for a mid-week condition (Tuesday, Wednesday, or Thursday).

Note that while the City of Roseville reports ADT on its roadways, the City does not use ADT-based LOS as a metric. The City evaluates LOS on signalized intersections because intersections dictate overall operations of the City's roadway system.



1.5 Performance Targets

The City of Roseville's level of service policy per the City of Roseville 2035 General Plan (August 2020) is:¹

Maintain a LOS "C" standard at a minimum of 70 percent of all signalized intersections and roadway segments in the City during the a.m. and p.m. peak hours. Exceptions to the LOS "C" standard may be considered where improvements required to achieve the standard would adversely affect pedestrian, bicycle, or transit access, and where feasible LOS improvements and travel-demand-reducing strategies have been exhausted.

With the implementation of Senate Bill 743 in 2018, Vehicle Miles Travelled (VMT) replaced LOS as the significance criterion to be applied when analyzing a proposed land use or infrastructure project under CEQA. Accordingly, while the LOS results reported herein may be compared to the City's LOS policy to evaluate performance, LOS results not meeting the City's LOS policy would not represent a significant impact under CEQA.

A VMT analysis of the proposed project has been prepared and is included as a separate document.²

¹ City of Roseville, City of Roseville 2035 General Plan (August 2020), Circulation Element, https://p1cdn4static.civicdive.com/UserFiles/Servers/Server_7964838/File/Government/Departments/Development%20Services/Planning/General%20Plan/Final%20General%20Plan%202020/03%20Circulation_Final.pdf

² This approach has been taken based on prior City comments on similar studies recommending that VMT analysis results not be included in the widening traffic study.



2. Existing Conditions

This chapter presents Existing conditions within the study area. Existing conditions are generally reflective of travel prior to the onset of the COVID-19 pandemic.

Within the study area, Pleasant Grove Boulevard is primarily a four-lane roadway with a posted speed limit of 45 MPH. At the eastern end of the study area, Pleasant Grove Boulevard widens to a six-lane roadway east of Foothills Boulevard.

There are existing Class II bike lanes (on-street with appropriate signage and pavement markings) along both sides of Pleasant Grove Boulevard, which will be maintained by the project.³

There are existing City Local "Route M" bus stops along both sides of Pleasant Grove Boulevard, which will be unchanged by the project.⁴ These are located:

- West of Woodcreek Oaks Boulevard (both eastbound and westbound),
- East of Woodcreek Oaks Boulevard (eastbound only),
- East of Country Club Drive (eastbound only),
- West of Foothills Boulevard (both eastbound and westbound), and
- East of Foothills Boulevard (eastbound only)

2.1 Traffic Volumes

For the three signalized study intersections, the study utilized traffic count data (collected in February 2020) from the Transportation Impact Study for the Roseville Housing Element Update (2021). For the three unsignalized study intersections, it was necessary to collect counts in October 2021 to provide side-street volume data. Through traffic volumes were then balanced through the unsignalized locations using the higher pre-COVID volumes from the signalized intersections, such that the analysis should reflect pre-COVID conditions.

Figure 1 shows Existing AM and PM peak hour turning volumes and lane configurations at the study intersections.

³ "Roseville Parks, Trails, & Bikeways Map", July 2021,
https://www.roseville.ca.us/UserFiles/Servers/Server_7964838/File/Government/Departments/Public%20Works/Biking%20&%20Walking/Parks,%20Trails,%20and%20Bikeways%20Map/7-2021_parks_trails_map_WEB.pdf

⁴ "Route M schedule and map", July 26, 2021,
https://www.roseville.ca.us/UserFiles/Servers/Server_7964838/File/Government/Departments/Public%20Works/Roseville%20Transit/Services%20&%20Schedules/Local/Route%20M_2021%20Local%20Bus%20Services%20Guide-7-2021.pdf



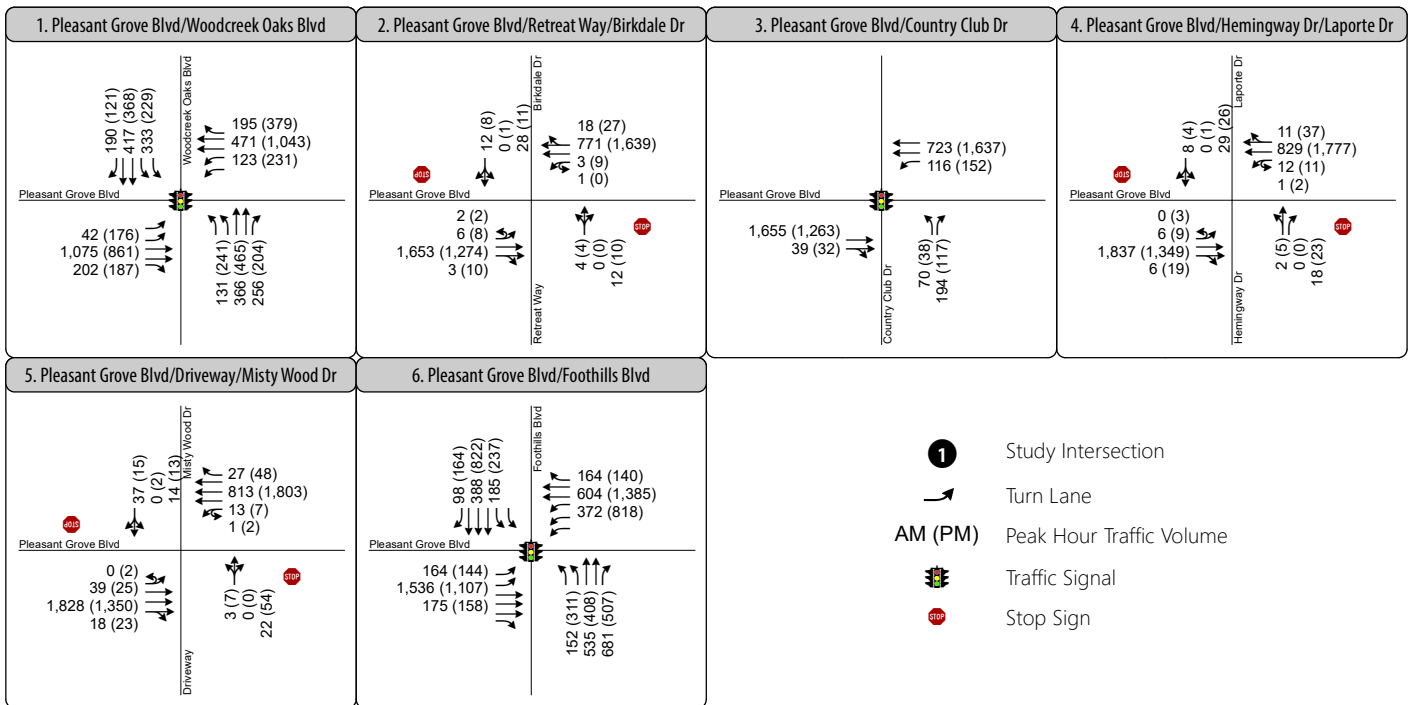
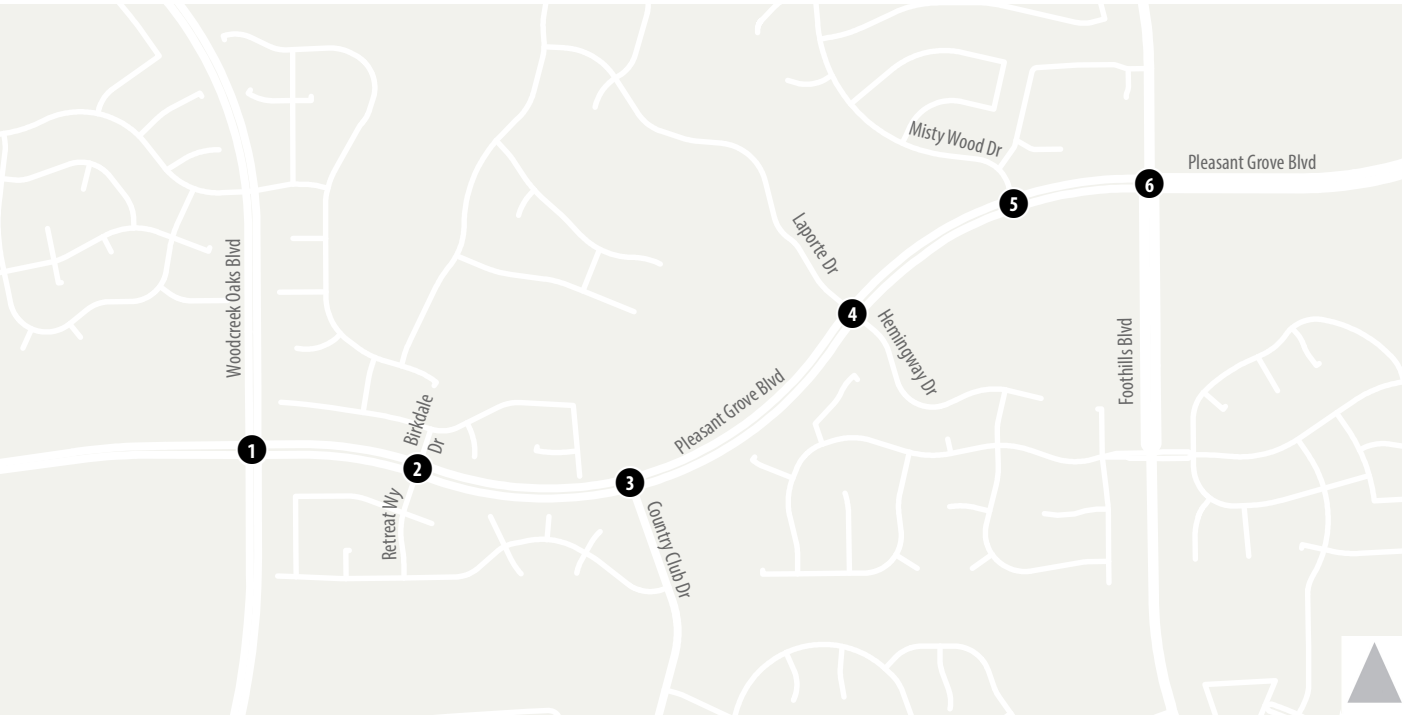


Figure 1
Peak Hour Traffic Volumes
and Lane Configurations -
Existing Conditions



2.2 Average Daily Traffic

Table 2 shows the existing ADT at multiple locations along Pleasant Grove Boulevard collected by the City's traffic signal loop detectors over the same days as the turning movement counts (February 2020).

Table 2: ADT – Existing Conditions

Location on Pleasant Grove Boulevard	Existing (2020) Daily Volume
West of Woodcreek Oaks Blvd	31,500
Woodcreek Oaks Blvd to Birkdale Dr/Retreat Wy	36,600
Birkdale Dr/Retreat Wy to Country Club Dr	37,100
Country Club Dr to Laporte Dr/Hemingway Dr	39,400
Misty Wood Dr to Foothills Blvd	41,200
East of Foothills Blvd	52,000

ADT values are rounded to the nearest 100 vehicles.
Source: Fehr & Peers, 2021.



2.3 Level of Service

Table 3 displays Existing AM and PM peak hour operations at the study intersections along Pleasant Grove Boulevard. Details are included in the Technical Appendix.

Table 3: Level of Service – Existing Conditions

	Intersection	Control Type	Peak Hour	Delay [1][2]	LOS
1	Pleasant Grove Blvd & Woodcreek Oaks Blvd	Signal	AM	43	D
			PM	35	D
2	Pleasant Grove Blvd & Birkdale Dr/Retreat Way	SSSC	AM	2 (79)	A (F)
			PM	2 (268)	A (F)
3	Pleasant Grove Blvd & Country Club Dr	Signal	AM	10	B
			PM	20	B
4	Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	SSSC	AM	2 (204)	A (F)
			PM	10 (>300)	B (F)
5	Pleasant Grove Blvd & Misty Wood Dr	SSSC	AM	1 (37)	A (E)
			PM	4 (278)	A (F)
6	Pleasant Grove Blvd & Foothills Blvd	Signal	AM	44	D
			PM [3,4]	58	E

SSSC = side-street stop control; LOS = level of service

Excessive delays greater than 300 seconds are reported as ">300" seconds due to model's inability to produce reasonable delay estimates under high volume, near-capacity conditions

Notes:

1. For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the overall intersection and (worst-case) movement.
2. Unless otherwise noted, intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).
3. LOS analysis was completed using the SimTraffic 11 micro-simulation model
4. Existing PM LOS result was sourced from the Transportation Impact Study for the Roseville Housing Element Update (2021)

Source: Fehr & Peers, 2021.

The two primary intersections at each end of the corridor operate at LOS D or E during peak hours. Delays are also high for through and left-turns from the side-street stop-controlled intersections.

At Foothills Boulevard, the overall average intersection delay is mostly influenced by eastbound and westbound through and left-turn delays.



3. Existing Plus Project Conditions

This chapter analyzes the impacts of the proposed project under Existing Plus Project (EPP) Conditions, which represents Existing conditions with the addition of the Project as described in Section 1.1.

3.1 Traffic Volumes

To isolate the effects of the project without any induced travel demand, the EPP turning traffic volumes used in this analysis are representative of the Existing volumes applied to the proposed project geometry.

Figure 2 shows the EPP AM and PM peak hour turning volumes and lane configurations at the study intersections. As shown, movements exiting the side-streets at the three unsignalized study intersections are restricted to right-turns only. Vehicles previously traveling straight or turning left were instead assumed to turn right and perform a U-turn at a nearby downstream intersection.



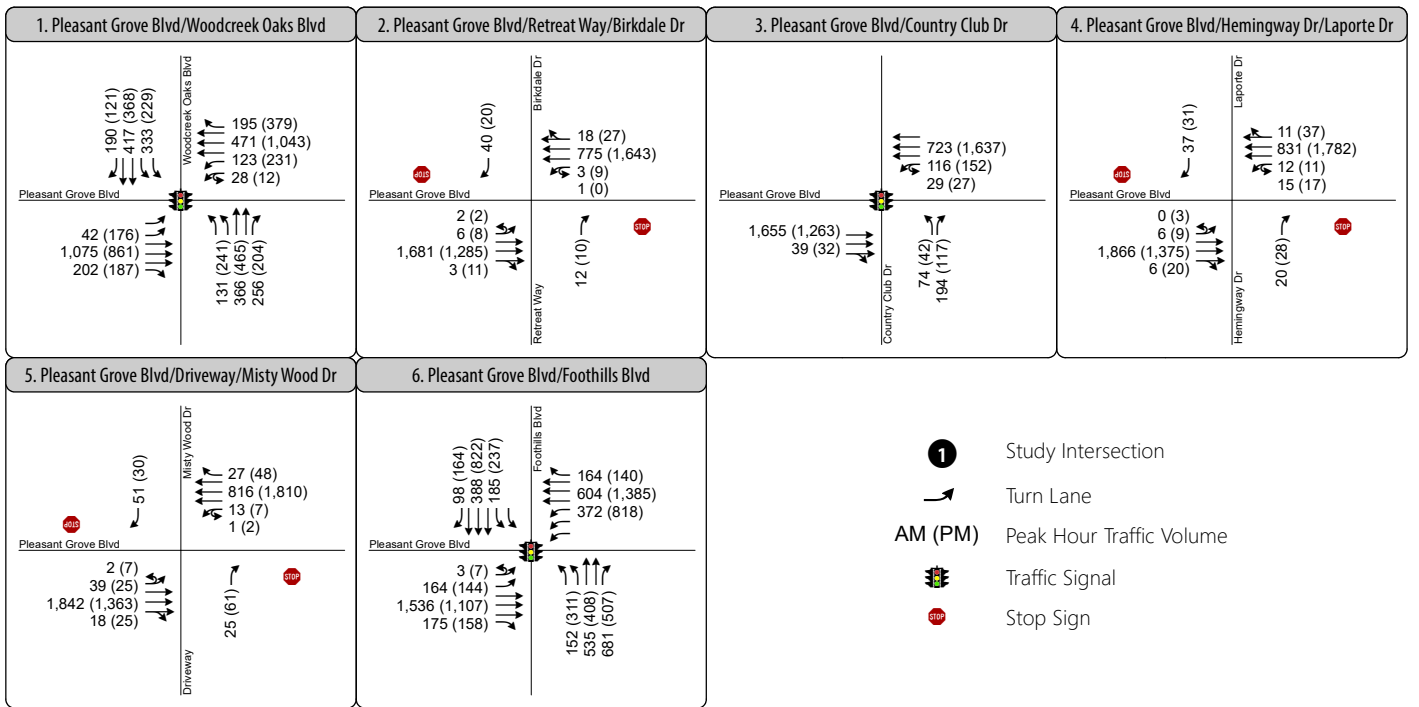
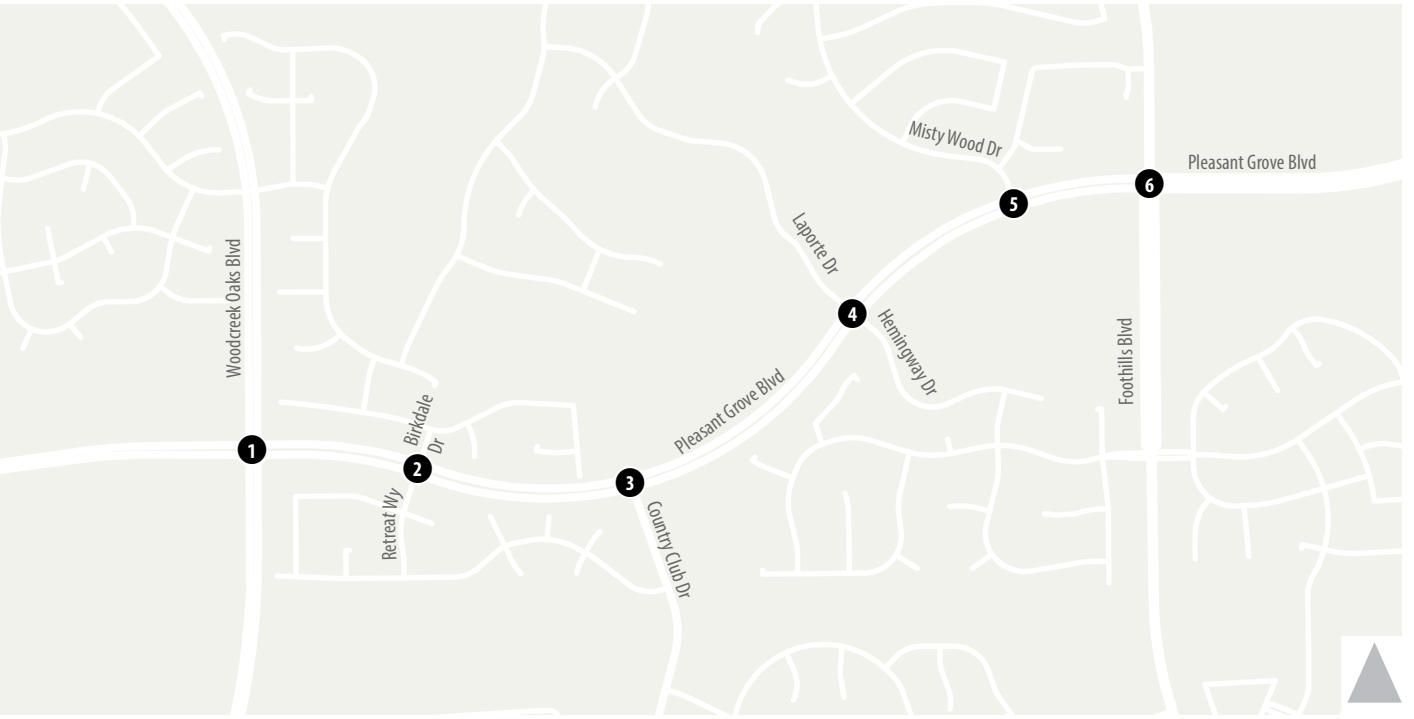


Figure 2
Peak Hour Traffic Volumes
and Lane Configurations -
Existing Plus Project Conditions



3.2 Level Of Service

Table 4 displays EPP AM and PM peak hour operations at the study intersections along Pleasant Grove Boulevard compared to Existing Conditions. Details are included in the Technical Appendix. The analysis utilized existing traffic signal timing (cycle lengths, splits, and coordination offsets).

Table 4: Level of Service – Existing Plus Project Conditions

Intersection	Control Type	Peak Hour	Existing		Existing Plus Project	
			Delay [1,2]	LOS	Delay [1,2]	LOS
1 Pleasant Grove Blvd & Woodcreek Oaks Blvd	Signal	AM	43	D	37	D
		PM	35	D	32	C
2 Pleasant Grove Blvd & Birkdale Dr/Retreat Way	SSSC	AM	2 (79)	A (F)	0 (26)	A (D)
		PM	2 (268)	A (F)	0 (26)	A (D)
3 Pleasant Grove Blvd & Country Club Dr	Signal	AM	10	B	8	A
		PM	20	B	9	A
4 Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	SSSC	AM	2 (204)	A (F)	1 (36)	A (E)
		PM	10 (>300)	B (F)	1 (30)	A (D)
5 Pleasant Grove Blvd & Misty Wood Dr	SSSC	AM	1 (37)	A (E)	1 (32)	A (D)
		PM	4 (278)	A (F)	1 (36)	A (E)
6 Pleasant Grove Blvd & Foothills Blvd	Signal	AM	44	D	43	D
		PM [3,4]	58	E	48	D

SSSC = side-street stop control; LOS = level of service

Excessive delays greater than 300 seconds are reported as ">300" seconds due to model's inability to produce reasonable delay estimates under high volume, near-capacity conditions

Values shown in **bold** indicate a degradation below LOS C

Notes:

1. For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the overall intersection and (worst-case) movement.
2. Unless otherwise noted, intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).
3. LOS analysis was completed using the SimTraffic 11 micro-simulation model
4. Existing PM LOS result was sourced from the Transportation Impact Study for the Roseville Housing Element Update (2021)

Source: Fehr & Peers, 2022.

Results show reductions in overall delay at the three signalized intersections. As these results do not incorporate any induced travel demand on the study segment due to the widening, delay would be expected to increase over time as motorists begin to utilize the additional capacity.

The reductions in delay for the worst-case movements at the side-street stop-controlled intersections shown under the EPP Conditions can primarily be attributed to the removal of outbound through and left-turn movements.



3.3 Queuing

Maximum vehicle queuing results, determined using the SimTraffic 11 micro-simulation model, are reported in Table 5 for movements relevant to the project design. Discussion of any locations with substandard storage follows the table.

Table 5: Queuing – Existing Plus Project Conditions

Intersection		Movement	Storage [ft]	AM Peak Hour	PM Peak Hour
1	Pleasant Grove Blvd & Woodcreek Oaks Blvd	EBL	300	125	225
		WBL	500	125	200
2	Pleasant Grove Blvd & Birkdale Dr/Retreat Way	EBL	240	50	50
		WBL	170	50	50
3	Pleasant Grove Blvd & Country Club Dr	WBL	300	250	275
4	Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	EBL	250	25	50
		WBL	275	100	75
5	Pleasant Grove Blvd & Misty Wood Dr	EBL	300	75	75
		WBL	200	75	50
6	Pleasant Grove Blvd & Foothills Blvd	EBL	250	375	325
		WBL	800 [1]	200	350
		NBL	250	150	250
		SBL	225	200	325
		SBR	225	150	250

Results shown are the average of the maximum queues observed for 10 simulation runs.

Queue lengths are rounded up to nearest 25 feet.

Values shown in **bold** indicate queue exceeds available storage.

Notes:

1. Storage includes extension of left-turn lane adjacent to median (see Figure 7).

Source: Fehr & Peers, 2022.

Pleasant Grove Boulevard & Foothills Boulevard:

1. *Eastbound Left-Turn:* The maximum eastbound through queues (550 feet AM/500 feet PM) would block access to the 240-foot left-turn pocket; the resulting maximum queues shown include vehicles trapped upstream in the through lanes.
2. *Southbound Left-Turn (PM):* The maximum southbound through queue (400 feet) would block access to the 220-foot left-turn pocket; the resulting maximum queue shown includes vehicles trapped upstream in the through lanes.
3. *Southbound Right-Turn (PM):* No longer operating as a free-right turn and with a PM peak volume of 230 vehicles, maximum queues would back up through the driveway in the existing auxiliary lane but would not spill into the adjacent through lane.



Regarding items 1 and 2 above, corridor improvements do not normally include designs with turn lane storage that allows turning vehicles to access the pocket without being blocked by through traffic. Therefore, no physical changes to the project design are recommended at this location.



4. Cumulative (2035) No Project Conditions

This chapter analyzes the impacts of the proposed project under Cumulative No Project (CNP) Conditions, which assumes planned City of Roseville capital improvements and development of numerous reasonable and foreseeable land uses in the study area., This scenario assumes no widening of Pleasant Grove Boulevard.

4.1 Traffic Volumes

The City of Roseville Cumulative (2035) travel demand model already includes this project's widening of Pleasant Grove Boulevard. Therefore, to derive CNP forecasts, the widening of Pleasant Grove Boulevard was *removed* from the model and forecasts were regenerated.

Figure 3 shows the CNP AM and PM peak hour turning volumes and lane configurations at the study intersections. A third northbound through lane and a fourth southbound through lane are assumed at the Pleasant Grove Boulevard/Foothills Boulevard intersection consistent with the City's Capital Improvement Program.



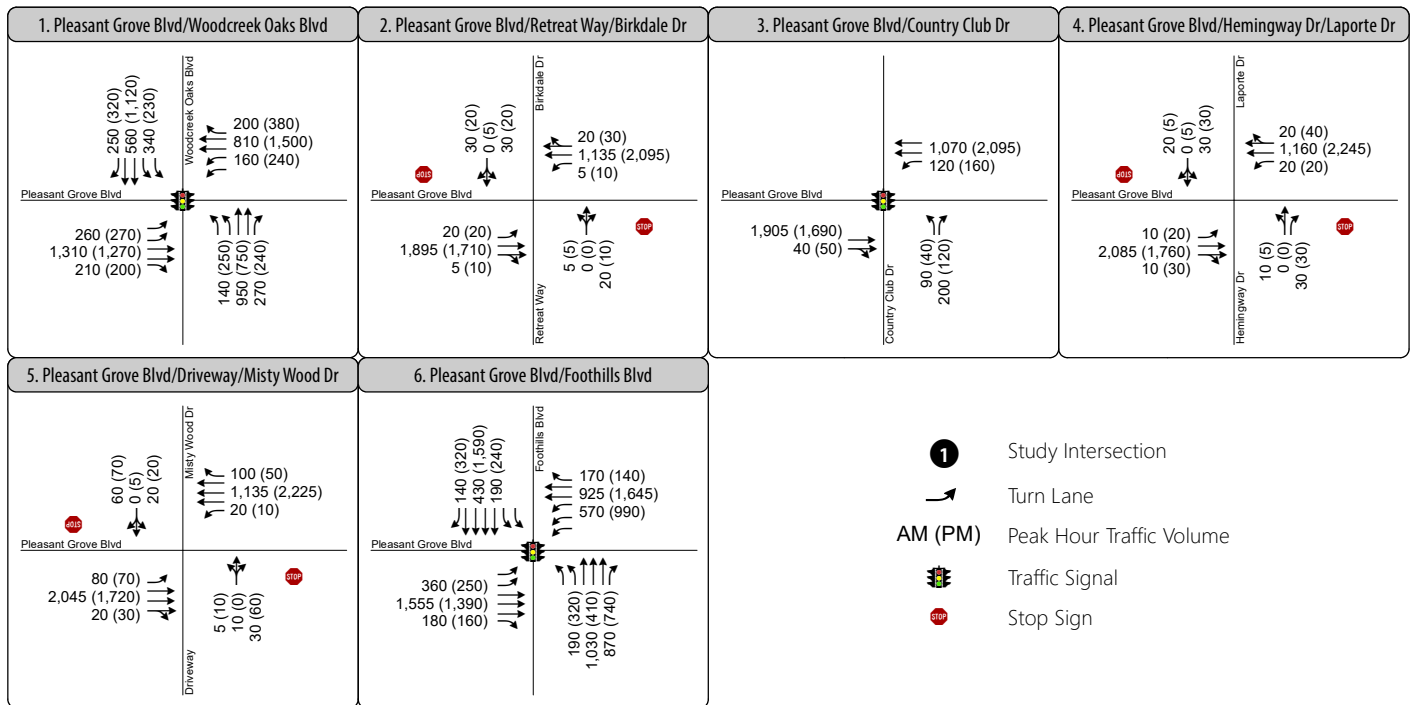
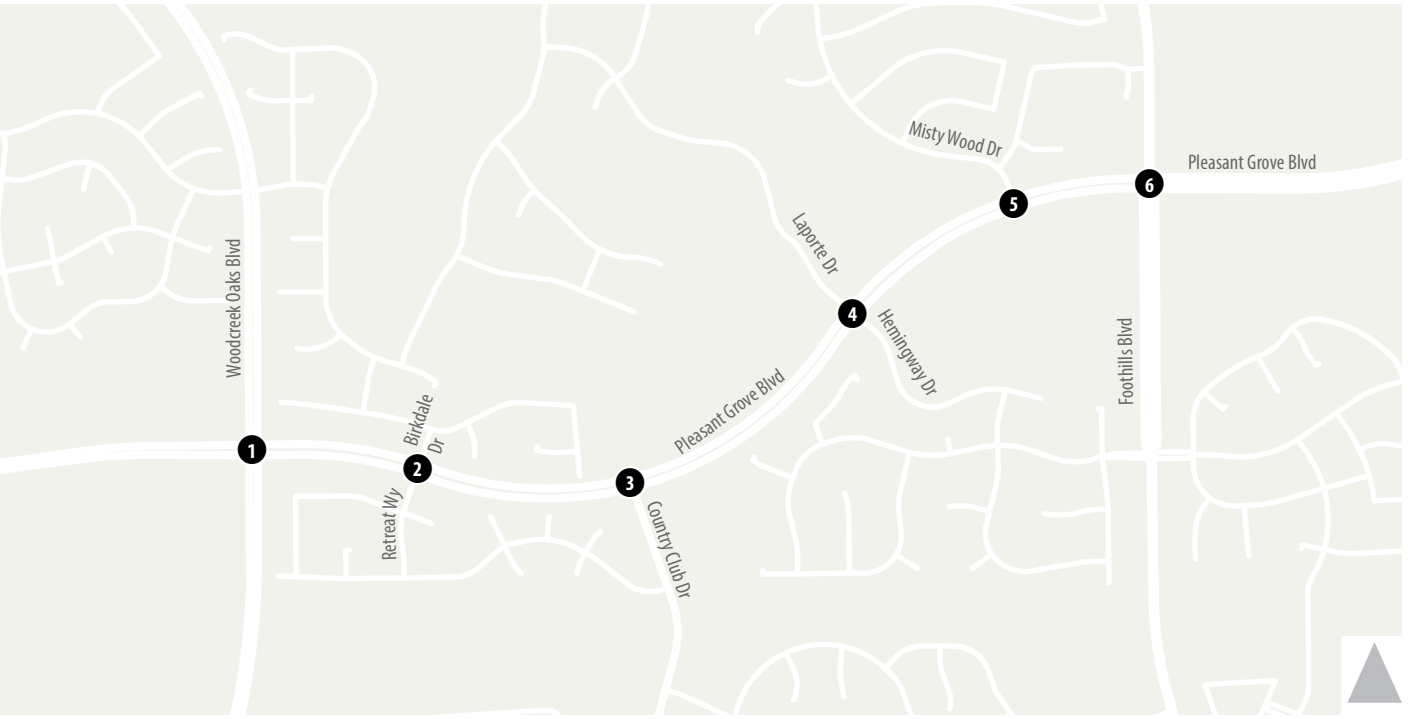


Figure 3

Peak Hour Traffic Volumes and Lane Configurations - Cumulative No Project Conditions



4.2 Average Daily Traffic

Table 6 shows the ADT calculated for CNP Conditions and compared to Existing ADT measurements.

Table 6: ADT – Cumulative No Project Conditions

Location on Pleasant Grove Boulevard	Existing (2020) Daily Volume	Cumulative No Project Daily Volume	Growth
West of Woodcreek Oaks Blvd	31,500	41,900	+10,400
Woodcreek Oaks Blvd to Birkdale Dr/Retreat Wy	36,600	39,900	+3,300
Birkdale Dr/Retreat Wy to Country Club Dr	37,100	39,600	+2,500
Country Club Dr to Laporte Dr/Hemingway Dr	39,400	44,800	+5,400
Misty Wood Dr to Foothills Blvd	41,200	43,500	+2,300
East of Foothills Blvd	52,000	54,000	+2,000

ADT values are rounded to the nearest 100 vehicles.
 Source: Fehr & Peers, 2021.

In review of the model output, increases between Existing to CNP conditions on the order of 10,000 ADT or more were observed on parallel arterials. In contrast, modest traffic growth in the range of 1,000 to 3,000 ADT is forecast on Pleasant Grove Boulevard between Woodcreek Oaks Boulevard and Foothills Boulevard. This indicates that without the project, the roadway would lack the capacity for a proportional increase in traffic (similar to the parallel roadways) under Cumulative conditions.



4.3 Level Of Service

Table 7 displays CNP AM and PM peak hour operations at the study intersections along Pleasant Grove Boulevard compared to Existing Conditions. Details are included in the Technical Appendix. The three traffic signals were coordinated with a cycle length of 150 seconds (AM) and 160 seconds (PM).

Table 7: Level of Service – Cumulative No Project Conditions

	Intersection	Control Type	Peak Hour	Existing		Cumulative No Project	
				Delay [1,2]	LOS	Delay [1,2]	LOS
1	Pleasant Grove Blvd & Woodcreek Oaks Blvd	Signal	AM	43	D	50	D
			PM	35	D	57	E
2	Pleasant Grove Blvd & Birkdale Dr/Retreat Way	SSSC	AM	2 (79)	A (F)	21 (>300)	C (F)
			PM	2 (268)	A (F)	41 (>300)	E (F)
3	Pleasant Grove Blvd & Country Club Dr	Signal	AM	10	B	17	B
			PM	20	B	14	B
4	Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	SSSC	AM	2 (204)	A (F)	32 (>300)	D (F)
			PM	10 (>300)	B (F)	117 (>300)	F (F)
5	Pleasant Grove Blvd & Misty Wood Dr	SSSC	AM	1 (37)	A (E)	90 (>300)	F (F)
			PM	4 (278)	A (F)	145 (>300)	F (F)
6	Pleasant Grove Blvd & Foothills Blvd	Signal	AM	44	D	57	E
			PM [3,4]	58	E	135	F

SSSC = side-street stop control; LOS = level of service

Excessive delays of greater than 300 seconds are reported as ">300" seconds due to model's inability to produce reasonable delay estimates under high volume, near-capacity conditions

Values shown in **bold** indicate a degradation below LOS C

Notes:

1. For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the overall intersection and (worst-case) movement.
2. Unless otherwise noted, intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).
3. LOS analysis was completed using the SimTraffic 11 micro-simulation model.
4. Existing PM LOS result was sourced from the Transportation Impact Study for the Roseville Housing Element Update (2021).

Source: Fehr & Peers, 2022.

As shown, the increased demand under the Cumulative scenario would push most study intersections into LOS E or worse without the project.



5. Cumulative (2035) Plus Project Conditions

This chapter presents the analysis of project impacts under Cumulative Plus Projects (2035) (CPP) conditions.

5.1 Traffic Volumes

Forecasts for CPP conditions were derived from the Transportation Impact Study for the Roseville Housing Element Update (2021), as the cumulative scenario from that analysis is consistent with the CPP scenario for the proposed Pleasant Grove Boulevard Widening Project.

Figure 4 shows the CPP AM and PM peak hour turning volumes and lane configurations at the study intersections. While not included in the project, a third northbound through lane and a fourth southbound through lane are assumed at the Pleasant Grove Boulevard/Foothills Boulevard intersection consistent with the City's Capital Improvement Program.

A comparison of Figure 3 to Figure 4 indicates the following:

- The widening of Pleasant Grove Boulevard would increase eastbound AM peak hour trips by 430 vehicles and increase westbound PM peak hour trips by about 450 vehicles on the segment between Woodcreek Oaks Boulevard and Country Club Drive.
- Under Existing Plus Project Conditions, much of the increase on this segment was due to added traffic from Country Club Drive. However, under cumulative conditions, the increase is not associated with added traffic from Country Club Drive, but rather overall increases in through travel throughout the corridor. Note that the large increases in eastbound right-turns and northbound left-turns at Country Club Drive do not occur under Cumulative Plus Project conditions, likely because Pleasant Grove Boulevard is near capacity (from a model volume-to-capacity perspective) under cumulative conditions; hence, the model does not route traffic from Country Club Drive onto it.



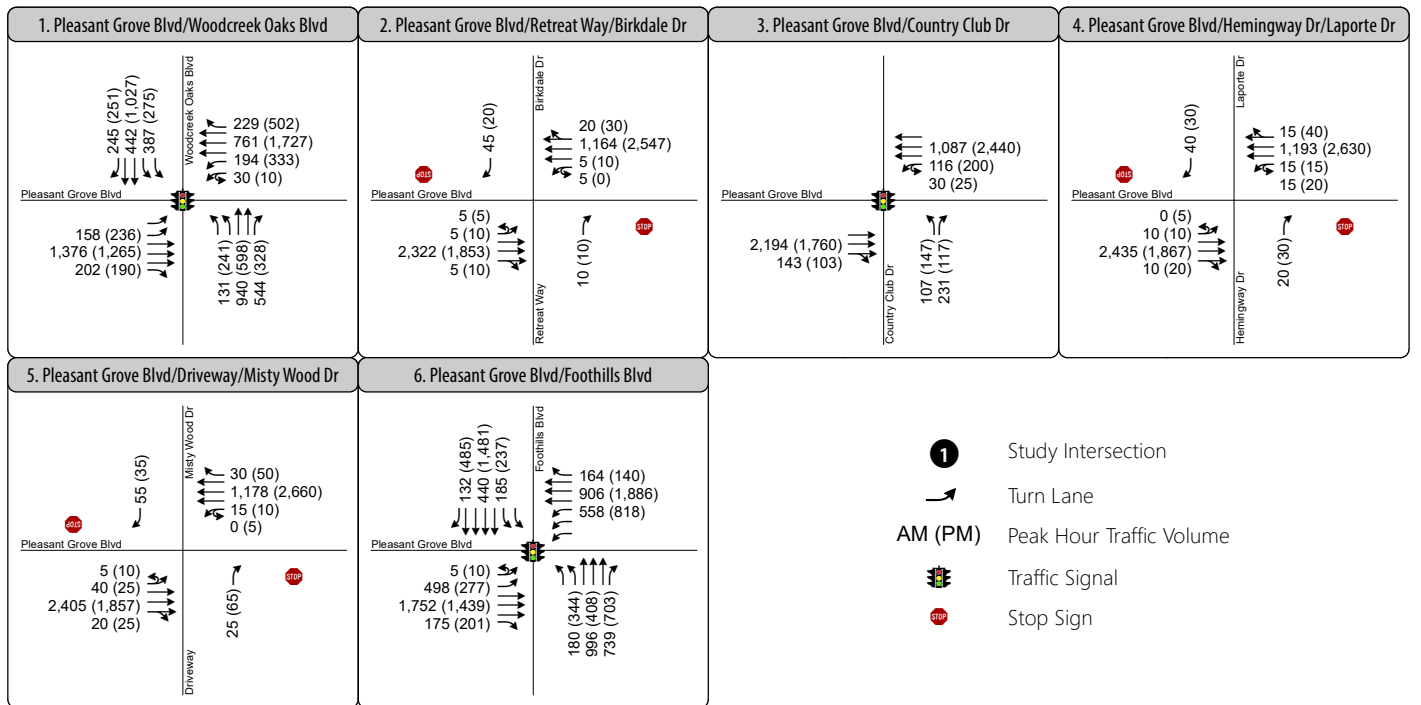
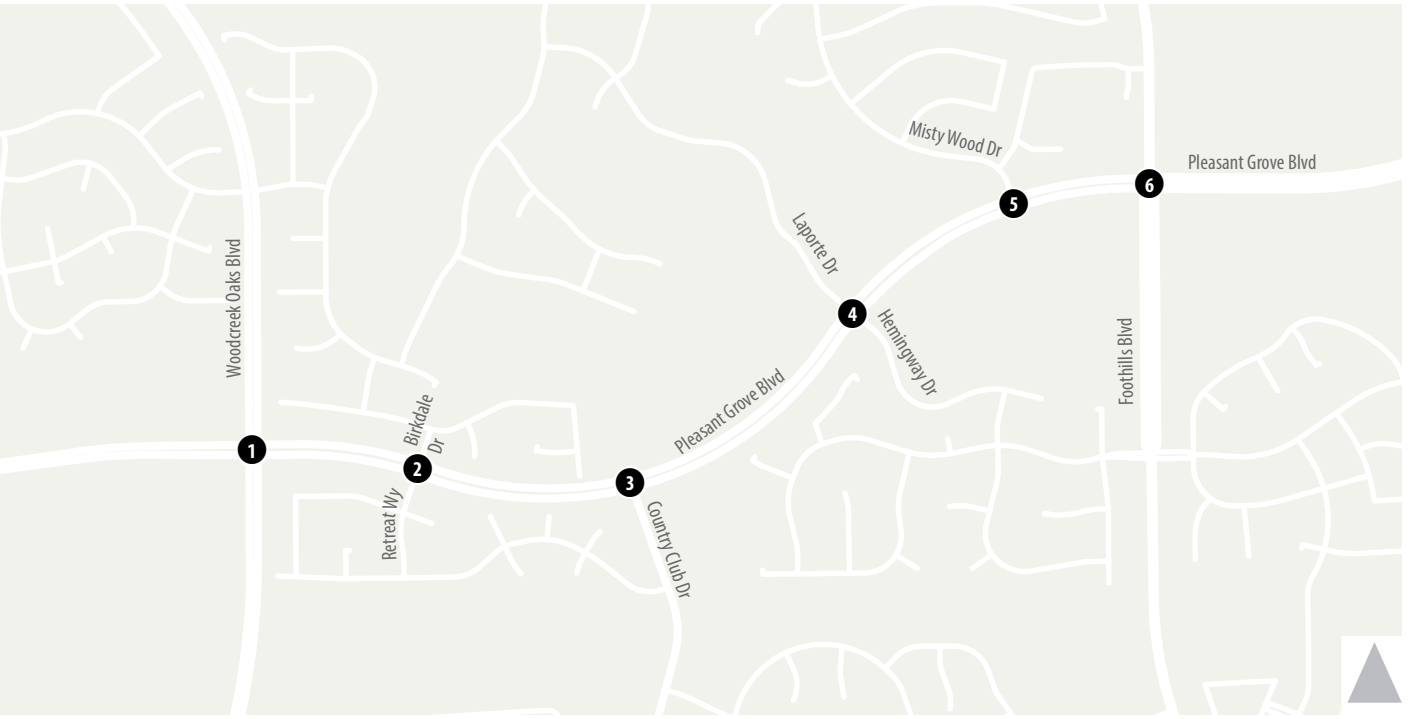


Figure 4

Peak Hour Traffic Volumes and Lane Configurations - Cumulative Plus Project Conditions



5.2 Average Daily Traffic

Table 8 shows the ADT calculated for CPP Conditions and compared to CNP conditions.

Table 8: ADT – Cumulative Plus Project Conditions

Location on Pleasant Grove Boulevard	Cumulative No Project Daily Volume	Cumulative Plus Project Daily Volume	Project Delta
West of Woodcreek Oaks Blvd	41,900	42,900	+1,000
Woodcreek Oaks Blvd to Birkdale Dr/Retreat Wy	39,900	50,800	+10,900
Birkdale Dr/Retreat Wy to Country Club Dr	39,600	50,600	+11,000
Country Club Dr to Laporte Dr/Hemingway Dr	44,800	53,100	+8,300
Misty Wood Dr to Foothills Blvd	43,500	52,500	+9,000
East of Foothills Blvd	54,000	55,600	+1,600

ADT values are rounded to the nearest 100 vehicles.
Source: Fehr & Peers, 2021.



5.3 Level Of Service

Table 9 displays Cumulative (2035) AM and PM peak hour operations at the study intersections along Pleasant Grove Boulevard under “Plus Project” conditions compared to “No Project” Conditions. Details are included in the Technical Appendix. For this analysis, the three traffic signals were coordinated with a cycle length of 150 seconds (AM) and 160 seconds (PM).

Table 9: Level of Service – Cumulative Plus Project Conditions

	Intersection	Control Type	Peak Hour	Cumulative No Project		Cumulative Plus Project	
				Delay [1,2]	LOS	Delay [1,2]	LOS
1	Pleasant Grove Blvd & Woodcreek Oaks Blvd	Signal	AM	50	D	49	D
			PM	57	E	49	D
2	Pleasant Grove Blvd & Birkdale Dr/Retreat Way	SSSC	AM	21 (>300)	C (F)	1 (53)	A (F)
			PM	41 (>300)	E (F)	1 (65)	A (F)
3	Pleasant Grove Blvd & Country Club Dr	Signal	AM	17	B	12	B
			PM	14	B	12	B
4	Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	SSSC	AM	32 (>300)	D (F)	1 (84)	A (F)
			PM	117 (>300)	F (F)	1 (76)	A (F)
5	Pleasant Grove Blvd & Misty Wood Dr	SSSC	AM	90 (>300)	F (F)	1 (65)	A (F)
			PM	145 (>300)	F (F)	2 (123)	A (F)
6	Pleasant Grove Blvd & Foothills Blvd	Signal	AM	57	E	55	D
			PM [3,4]	135	F	85	F

SSSC = side-street stop control; LOS = Level of Service

Excessive delays of greater than 300 seconds are reported as “>300” seconds due to model’s inability to produce reasonable delay estimates under high volume, near-capacity conditions

Values shown in **bold** indicate a degradation below LOS C

Notes:

1. For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the overall intersection and (worst-case) movement.
2. Unless otherwise noted, intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).
3. LOS analysis was completed using the SimTraffic 11 micro-simulation model.

Source: Fehr & Peers, 2022.

The project would reduce Cumulative delay at all study intersections. However, despite the improvement, the Woodcreek Oaks Boulevard traffic signal would operate at LOS D during the AM and PM peak hours and the Foothills Boulevard traffic signal would operate at LOS D and LOS F for the AM and PM peak hours.

While the project would increase capacity at the Pleasant Grove Boulevard/Foothills Boulevard intersection by the addition of a westbound through lane, the travel on Pleasant Grove Boulevard induced by the widening would also increase demand by approximately 400 vehicles in the AM Peak Hour. Over 300 of these vehicles would be added to the eastbound approach, which already widens to three through lanes at



the intersection. Under PM peak conditions, overall intersection delay remains high (85 seconds), although it would be an improvement compared to the CNP predicted delay. Note that the fourth southbound through lane assumed under the cumulative scenario enabled a large reduction in overall delay.

The reduction in delay from CNP to CPP for the SSSC intersections is primarily due to the prohibition of outbound through and left-turn movements.

5.4 Queuing

Table 10 shows the maximum vehicle queuing calculated for CPP Conditions. Discussion of any locations with storage deficiencies follows the table.

Table 10: Queuing – Cumulative Plus Project Conditions

Intersection		Movement	Storage [ft]	AM Peak Hour	PM Peak Hour
1	Pleasant Grove Blvd & Woodcreek Oaks Blvd	EBL	300	350	375
		WBL	500	250	275
2	Pleasant Grove Blvd & Birkdale Dr/Retreat Way	EBL	240	50	100
		WBL	170	50	50
3	Pleasant Grove Blvd & Country Club Dr	WBL	300	300	350
4	Pleasant Grove Blvd & Laporte Dr/Hemingway Dr	EBL	250	50	75
		WBL	275	100	75
5	Pleasant Grove Blvd & Misty Wood Dr	EBL	300	325	175
		WBL	200	100	75
6	Pleasant Grove Blvd & Foothills Blvd	EBL	250	350	350
		WBL	800 [1]	325	500
		NBL	250	375	550
		SBL	225	250	325
		SBR	225	175	775

Results shown are the average of the maximum queues observed for 10 simulation runs. Queue lengths are rounded up to nearest 25 feet. Values shown in **bold** indicate queue exceeds available storage.

Notes:

- Storage includes extension of left-turn lane adjacent to median (see Figure 7)

Source: Fehr & Peers, 2022.

Pleasant Grove Boulevard & Woodcreek Oaks Boulevard, Eastbound Left-Turn:

- The maximum eastbound through queues (950 feet AM/650 feet PM) would block access to the turn pocket; the resulting maximum queue shown includes vehicles trapped upstream in the through lanes.



Pleasant Grove Boulevard & Country Club Drive, Westbound Left-Turn:

2. A longer left-turn pocket would be appropriate for the forecasted left-turn volume and there is adequate median available for a longer turn pocket; accordingly Fehr & Peers recommends extending the westbound left-turn pocket to 350 feet.

Pleasant Grove Boulevard & Misty Wood Drive, AM Eastbound Left-Turn:

3. Eastbound queues backing up from Foothills Boulevard (1,350 feet) would block access to the turn pocket; the resulting maximum queue shown includes vehicles trapped upstream in the through lanes. This blockage could be improved by providing more green time to the eastbound movement at Foothills Boulevard.

Pleasant Grove Boulevard & Foothills Boulevard:

4. *Eastbound Left-Turn:* The maximum eastbound through queues (1,325 feet AM/750 feet PM) would block access to the turn pocket; the resulting maximum queues shown include vehicles trapped upstream in the through lanes.
5. *Westbound Left-Turn (PM):* Additional storage capacity can be added to the westbound left-turn lane (see discussion in Section 6.3); this modification to the project has been included in the analysis to accommodate maximum queues for the movement. Due to the high demand on the intersection, the maximum queue length results are very sensitive to the duration of the green signal for the movement and the project should maximize the storage space within the constraints as shown in Figure 7.
6. *Northbound Left-Turn:* The results indicate that under cumulative conditions, an extension of the northbound left-turn pocket into the existing median may be required to accommodate queuing. In reviewing the model, this queue length was very sensitive to timing adjustments.
7. *Southbound Left-Turn:* Southbound through queuing (350 feet AM/1,025 feet PM) would block access to the turn pocket; the resulting maximum queue shown includes vehicles trapped upstream in the through lanes.
8. *Southbound Right-Turn (PM):* No longer operating as a free-right turn and a heavy PM peak volume (485 vehicles/hr), queuing would be expected. Much can be accommodated in the auxiliary lane for a total of 675 feet storage, although this will hinder ingress/egress to driveways of the adjacent parcel, which are located approximately 225 feet and 550 feet north of the limit line. Note that the reduction in southbound green time allowed by the addition of a fourth southbound through lane corresponded with an increase in the maximum southbound right queue.

Regarding items 1, 4, and 7 above, corridor improvements do not normally include designs with turn lane storage that allows turning vehicles to access the pocket without being blocked by through traffic. Therefore, no physical changes to the project design are recommended for these movements as a result of the queuing results.



6. Design Recommendations

6.1 Flashing Yellow Arrow Evaluation

Fehr & Peers evaluated the intersection of Pleasant Grove Boulevard and Country Club Drive for the use of a flashing yellow arrow (FYA) controlling the westbound left-turn movement. Pleasant Grove Boulevard has a posted speed limit of 45 MPH. The design speed for a major arterial in the City of Roseville is 60 MPH per City of Roseville Design Standards Table 7-4 and a yielding left-turn requires a minimum sight distance of 695 feet per City of Roseville Design Standards Table 7-5.⁵

Figure 5 illustrates the available sight distance for a motorist performing a westbound left-turn movement at Pleasant Grove Boulevard and Country Club Drive. Due to the roadway curvature, trees and other vegetation in the median provide an obstruction to intersection sight distance. Opening up the intersection sight distance would require removal of approximately 13 trees from the median and require maintenance to limit vegetation height. Regardless, due to the roadway horizontal curvature, the volume/speed of traffic, and acceptable operational characteristics of the signal without the FYA, Fehr & Peers recommends against the use of a flashing yellow arrow to control this movement.

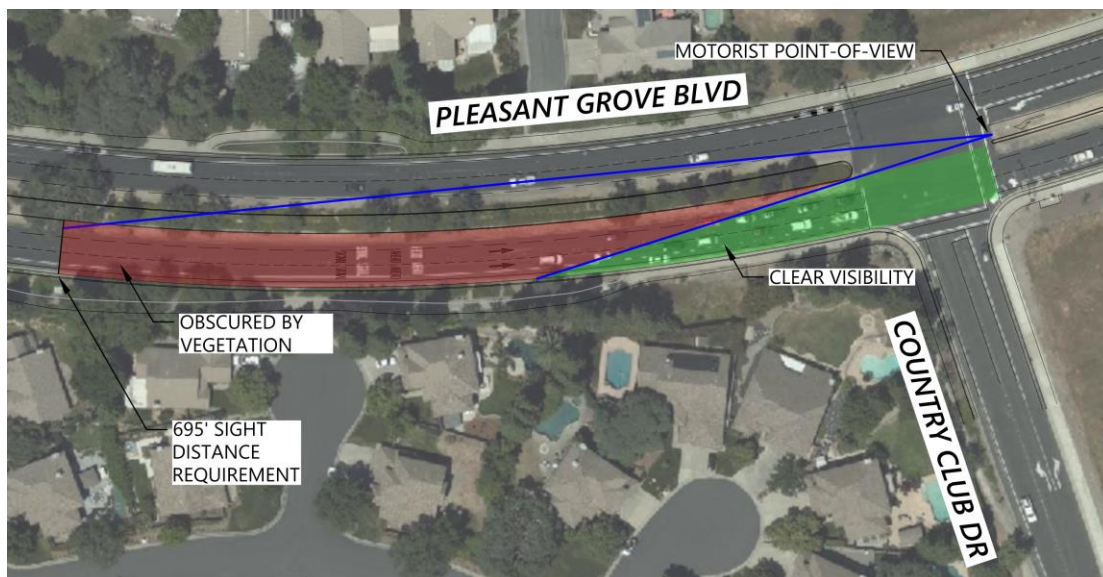


Figure 5: Flashing Yellow Arrow Sight Distance

Source: Fehr & Peers, 2022

⁵ A speed survey could indicate that a lower design speed may be used for this analysis. However, modifications to the median would still be required to provide adequate intersection sight distance limitations and the overall conclusions for implementing a flashing-yellow arrow would not change.



6.2 Left-Turns

The preliminary project layout proposes to provide for left turn ingress lanes from Pleasant Grove Boulevard to the minor side streets within the project (Birkdale Dr/Retreat Way, Laporte Dr/Hemingway Dr, and Misty Wood Dr/"shopping center"). The project design should be evaluated at each of these to ensure adequate intersection sight distance. Where the curvature of the roadway impacts sight distance, such as for the eastbound left-turns at Laporte Drive and Mistywood Drive, project design may need to consider prohibiting the movement altogether. It should be noted that prohibiting these left turns could have an adverse effect on the operations and queuing at Foothills Boulevard due to increased demand for the eastbound U-turn.

Opposing left-turns (i.e., face-to-face) can limit temporarily limit visibility when opposing vehicles are simultaneously present. The City has stated that they do not consider opposing vehicles to be an obstruction in sight distance analysis. Nevertheless, positive-offset left-turns (see Figure 6) can help motorists see past each other for better visibility.

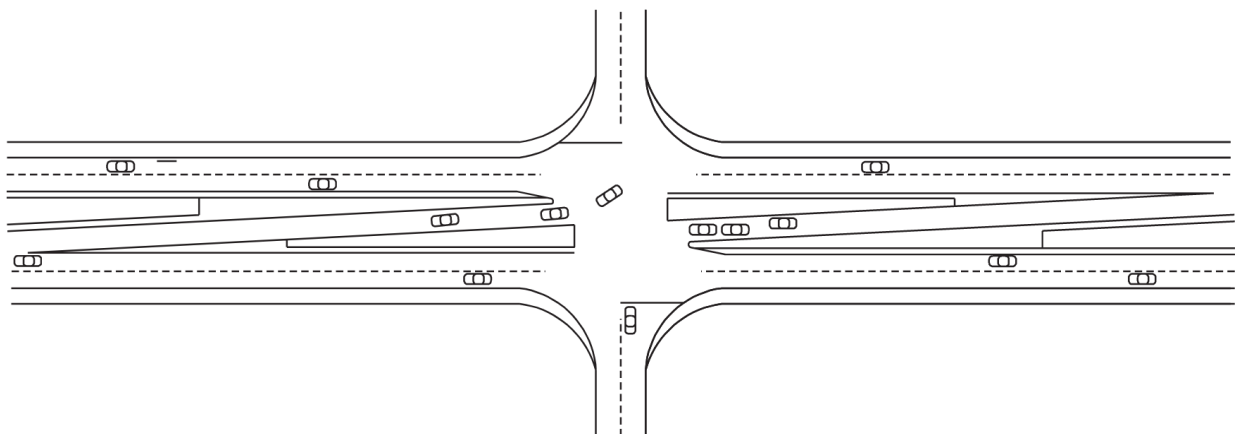


Figure 6: Positive Offset Left-Turns

Source: AASHTO, A Policy on Geometric Design of Highways and Streets, 2011

6.3 Lane Configurations and Storage

At the Pleasant Grove Boulevard / Woodcreek Oaks Boulevard intersection, additional storage may be added to the westbound left-turn by shortening the eastbound left-turn pocket at Birkdale Drive. As the turn-lanes are back-to-back, this would be an improved allocation of storage to better suit the demands for each movement.

At the Pleasant Grove Boulevard / Country Club Drive intersection, Fehr & Peers recommends extending the westbound left-turn pocket to 350 feet to better accommodate peak queues.

At the Pleasant Grove Boulevard / Foothills Boulevard intersection, Fehr & Peers recommends construction of additional storage within the existing median for the westbound left-turn. The preliminary design (Figure 7) indicates space for left-turn storage of 450, 800, and 800 feet for left-turn lanes #1, 2, & 3, respectively. With this geometry, the left-turn movement into the shopping center east of Foothills Boulevard has adequate intersection sight distance (i.e. over 695 feet of visibility of oncoming traffic). The LOS and queuing analysis in this report assumed these improvements were included in the project.

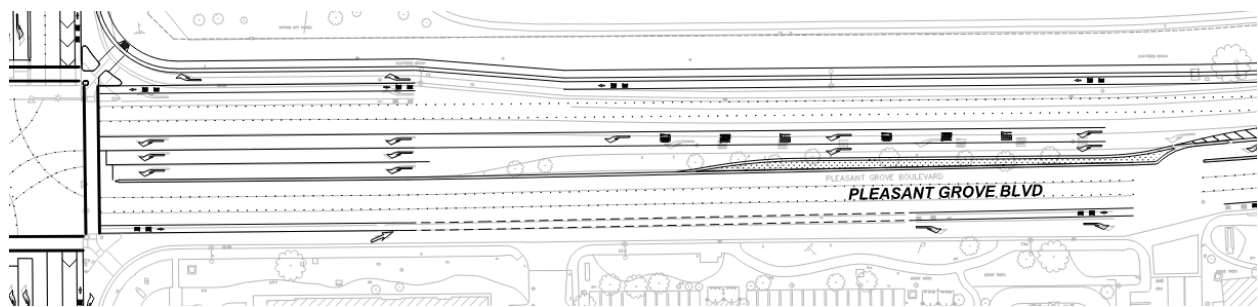


Figure 7: Pleasant Grove Blvd/Foothills Blvd Westbound Left-Turn Storage

Source: Psomas, 2022































TECHNICAL APPENDIX



HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Existing Conditions
 AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	 			 			 			 		
Traffic Volume (veh/h)	42	1075	202	123	471	195	131	366	256	333	417	190
Future Volume (veh/h)	42	1075	202	123	471	195	131	366	256	333	417	190
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	42	1075	0	123	471	0	131	366	0	333	417	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	75	1164		807	1966		189	475		398	742	
Arrive On Green	0.02	0.33	0.00	0.47	1.00	0.00	0.05	0.13	0.00	0.12	0.21	0.00
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	42	1075	0	123	471	0	131	366	0	333	417	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	1.4	35.0	0.0	2.5	0.0	0.0	4.5	11.9	0.0	11.3	12.6	0.0
Cycle Q Clear(g_c), s	1.4	35.0	0.0	2.5	0.0	0.0	4.5	11.9	0.0	11.3	12.6	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	75	1164		807	1966		189	475		398	742	
V/C Ratio(X)	0.56	0.92		0.15	0.24		0.69	0.77		0.84	0.56	
Avail Cap(c_a), veh/h	461	1164		807	1966		576	542		778	749	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	58.1	38.9	0.0	25.2	0.0	0.0	55.7	50.2	0.0	52.0	42.6	0.0
Incr Delay (d2), s/veh	2.4	13.4	0.0	0.0	0.1	0.0	1.7	7.0	0.0	1.8	1.4	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	0.6	16.7	0.0	1.0	0.0	0.0	2.0	5.7	0.0	4.9	5.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.5	52.4	0.0	25.2	0.1	0.0	57.5	57.2	0.0	53.8	43.9	0.0
LnGrp LOS	E	D		C	A		E	E		D	D	
Approach Vol, veh/h		1117	A		594	A		497	A		750	A
Approach Delay, s/veh		52.7			5.3			57.3			48.3	
Approach LOS		D			A			E			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.5	21.8	33.7	45.0	10.5	30.7	6.6	72.1				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	27.0	* 18	16.0	* 39	20.0	25.3	16.0	39.3				
Max Q Clear Time (g_c+I1), s	13.3	13.9	4.5	37.0	6.5	14.6	3.4	2.0				
Green Ext Time (p_c), s	0.5	1.2	0.1	1.8	0.2	2.8	0.0	5.3				

Intersection Summary

HCM 6th Ctrl Delay	42.8
HCM 6th LOS	D

Notes

- User approved pedestrian interval to be less than phase max green.
- * HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
- Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection

Int Delay, s/veh 1.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔			↔	
Traffic Vol, veh/h	8	1653	3	4	771	18	4	0	12	28	0	12
Future Vol, veh/h	8	1653	3	4	771	18	4	0	12	28	0	12
Conflicting Peds, #/hr	1	0	2	2	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	240	-	-	170	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	8	1653	3	4	771	18	4	0	12	28	0	12

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	790	0	0	1658	0	0	2067	2471	830	1632	2463	396
Stage 1	-	-	-	-	-	-	1673	1673	-	789	789	-
Stage 2	-	-	-	-	-	-	394	798	-	843	1674	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	826	-	-	385	-	-	31	30	313	67	30	603
Stage 1	-	-	-	-	-	-	99	151	-	350	400	-
Stage 2	-	-	-	-	-	-	602	396	-	325	151	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	825	-	-	384	-	-	30	29	312	63	29	602
Mov Cap-2 Maneuver	-	-	-	-	-	-	30	29	-	63	29	-
Stage 1	-	-	-	-	-	-	98	149	-	346	396	-
Stage 2	-	-	-	-	-	-	584	392	-	309	149	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.1	51.6	79
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	93	825	-	-	384	-	-	86
HCM Lane V/C Ratio	0.172	0.01	-	-	0.01	-	-	0.465
HCM Control Delay (s)	51.6	9.4	-	-	14.5	-	-	79
HCM Lane LOS	F	A	-	-	B	-	-	F
HCM 95th %tile Q(veh)	0.6	0	-	-	0	-	-	1.9

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Existing Conditions
 AM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↵	↑↑	↵	↵
Traffic Volume (veh/h)	1655	39	116	723	70	194
Future Volume (veh/h)	1655	39	116	723	70	194
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.97	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	1655	38	116	723	70	20
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2091	48	142	2496	95	85
Arrive On Green	1.00	1.00	0.08	0.70	0.05	0.05
Sat Flow, veh/h	3642	81	1781	3647	1781	1585
Grp Volume(v), veh/h	827	866	116	723	70	20
Grp Sat Flow(s),veh/h/ln	1777	1853	1781	1777	1781	1585
Q Serve(g_s), s	0.0	0.0	7.7	9.1	4.6	1.5
Cycle Q Clear(g_c), s	0.0	0.0	7.7	9.1	4.6	1.5
Prop In Lane		0.04	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1047	1092	142	2496	95	85
V/C Ratio(X)	0.79	0.79	0.81	0.29	0.74	0.24
Avail Cap(c_a), veh/h	1047	1092	386	2496	386	343
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	54.3	6.7	56.0	54.4
Incr Delay (d2), s/veh	6.1	6.0	4.2	0.3	4.1	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	1.8	3.5	3.0	2.2	0.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	6.1	6.0	58.6	7.0	60.1	55.0
LnGrp LOS	A	A	E	A	E	D
Approach Vol, veh/h	1693			839	90	
Approach Delay, s/veh	6.0			14.1	58.9	
Approach LOS	A			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		10.4	13.6	76.4		90.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		26.0	26.0	38.3		84.3
Max Q Clear Time (g_c+I1), s		6.6	9.7	2.0		11.1
Green Ext Time (p_c), s		0.1	0.1	25.4		9.6

Intersection Summary

HCM 6th Ctrl Delay	10.4
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

HCM 6th TWSC
 4: Hemingway Dr/Laporte Dr & Pleasant Grove Blvd

Existing Conditions
 AM Peak Hour

Intersection

Int Delay, s/veh 2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔	↔		↔	
Traffic Vol, veh/h	6	1837	6	13	829	11	2	0	18	29	0	8
Future Vol, veh/h	6	1837	6	13	829	11	2	0	18	29	0	8
Conflicting Peds, #/hr	2	0	4	4	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	50	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	1837	6	13	829	11	2	0	18	29	0	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	842	0	0	1847	0	0	2297	2724	926	1794	2722	422
Stage 1	-	-	-	-	-	-	1856	1856	-	863	863	-
Stage 2	-	-	-	-	-	-	441	868	-	931	1859	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	789	-	-	325	-	-	21	20	271	51	20	580
Stage 1	-	-	-	-	-	-	76	122	-	316	370	-
Stage 2	-	-	-	-	-	-	565	368	-	287	122	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	787	-	-	324	-	-	20	19	270	46	19	579
Mov Cap-2 Maneuver	-	-	-	-	-	-	20	19	-	46	19	-
Stage 1	-	-	-	-	-	-	75	121	-	313	354	-
Stage 2	-	-	-	-	-	-	535	353	-	266	121	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.3	37.8	146.3
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	20	270	787	-	-	324	-	-	57
HCM Lane V/C Ratio	0.1	0.067	0.008	-	-	0.04	-	-	0.649
HCM Control Delay (s)	204.1	19.3	9.6	-	-	16.6	-	-	146.3
HCM Lane LOS	F	C	A	-	-	C	-	-	F
HCM 95th %tile Q(veh)	0.3	0.2	0	-	-	0.1	-	-	2.7

Intersection

Int Delay, s/veh 1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔	↔			↔	
Traffic Vol, veh/h	39	1828	18	14	813	27	3	0	22	14	0	37
Future Vol, veh/h	39	1828	18	14	813	27	3	0	22	14	0	37
Conflicting Peds, #/hr	5	0	4	4	0	5	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	39	1828	18	14	813	27	3	0	22	14	0	37

























Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	845	0	0	1850	0	0	2272	2792	927	1655	2774	412
Stage 1	-	-	-	-	-	-	1919	1919	-	846	846	-
Stage 2	-	-	-	-	-	-	353	873	-	809	1928	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	465	-	-	149	-	-	43	18	232	104	19	503
Stage 1	-	-	-	-	-	-	44	113	-	254	377	-
Stage 2	-	-	-	-	-	-	583	366	-	309	112	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	463	-	-	148	-	-	34	15	231	81	16	501
Mov Cap-2 Maneuver	-	-	-	-	-	-	34	15	-	81	16	-
Stage 1	-	-	-	-	-	-	40	103	-	231	339	-
Stage 2	-	-	-	-	-	-	489	329	-	256	102	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.5	37.3	28
HCM LOS			E	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	136	463	-	-	148	-	-	207
HCM Lane V/C Ratio	0.184	0.084	-	-	0.095	-	-	0.246
HCM Control Delay (s)	37.3	13.5	-	-	31.9	-	-	28
HCM Lane LOS	E	B	-	-	D	-	-	D
HCM 95th %tile Q(veh)	0.6	0.3	-	-	0.3	-	-	0.9

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Existing Conditions
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	164	1536	175	372	604	164	152	535	681	185	388	98
Future Volume (veh/h)	164	1536	175	372	604	164	152	535	681	185	388	98
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	164	1536	0	372	604	0	152	535	0	185	388	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	221	1902		469	1362		210	628		244	952	
Arrive On Green	0.06	0.35	0.00	0.09	0.38	0.00	0.06	0.18	0.00	0.07	0.19	0.00
Sat Flow, veh/h	3456	5375	1585	5023	3554	1585	3456	3554	1585	3456	5106	1585
Grp Volume(v), veh/h	164	1536	0	372	604	0	152	535	0	185	388	0
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1777	1585	1728	1777	1585	1728	1702	1585
Q Serve(g_s), s	5.6	31.0	0.0	8.7	15.2	0.0	5.2	17.5	0.0	6.3	8.0	0.0
Cycle Q Clear(g_c), s	5.6	31.0	0.0	8.7	15.2	0.0	5.2	17.5	0.0	6.3	8.0	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	221	1902		469	1362		210	628		244	952	
V/C Ratio(X)	0.74	0.81		0.79	0.44		0.72	0.85		0.76	0.41	
Avail Cap(c_a), veh/h	354	1902		795	1362		461	711		461	1021	
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	55.2	35.1	0.0	53.3	27.5	0.0	55.4	47.9	0.0	54.8	43.0	0.0
Incr Delay (d2), s/veh	1.9	2.9	0.0	1.2	1.0	0.0	1.8	9.6	0.0	1.8	0.4	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	13.4	0.0	3.6	6.4	0.0	2.3	8.4	0.0	2.7	3.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	57.0	38.0	0.0	54.4	28.5	0.0	57.1	57.5	0.0	56.6	43.4	0.0
LnGrp LOS	E	D		D	C		E	E		E	D	
Approach Vol, veh/h		1700	A		976	A		687	A		573	A
Approach Delay, s/veh		39.8			38.4			57.4			47.6	
Approach LOS		D			D			E			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	12.5	27.2	17.2	48.2	11.3	28.4	13.4	52.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	4.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	16.0	24.0	19.0	39.3	16.0	24.0	12.3	46.0				
Max Q Clear Time (g_c+I1), s	8.3	19.5	10.7	33.0	7.2	10.0	7.6	17.2				
Green Ext Time (p_c), s	0.2	1.7	0.5	5.3	0.1	2.7	0.1	5.9				

Intersection Summary

























HCM 6th Ctrl Delay	43.7
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.
Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Existing Conditions
 PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	176	861	187	231	1043	379	241	465	204	229	368	121
Future Volume (veh/h)	176	861	187	231	1043	379	241	465	204	229	368	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	176	861	0	231	1043	0	241	465	0	229	368	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	235	994		945	1774		302	615		290	653	
Arrive On Green	0.07	0.28	0.00	0.55	1.00	0.00	0.09	0.17	0.00	0.08	0.18	0.00
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	176	861	0	231	1043	0	241	465	0	229	368	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	6.0	27.6	0.0	4.2	0.1	0.0	8.2	14.9	0.0	7.8	11.3	0.0
Cycle Q Clear(g_c), s	6.0	27.6	0.0	4.2	0.1	0.0	8.2	14.9	0.0	7.8	11.3	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	235	994		945	1774		302	615		290	653	
V/C Ratio(X)	0.75	0.87		0.24	0.59		0.80	0.76		0.79	0.56	
Avail Cap(c_a), veh/h	461	1075		945	1774		547	720		547	720	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	54.9	41.1	0.0	20.7	0.0	0.0	53.7	47.2	0.0	53.9	44.6	0.0
Incr Delay (d2), s/veh	1.8	10.1	0.0	0.0	0.7	0.0	1.8	4.8	0.0	1.8	1.4	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	13.0	0.0	1.6	0.2	0.0	3.6	6.9	0.0	3.4	5.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.7	51.2	0.0	20.7	0.7	0.0	55.6	52.0	0.0	55.8	46.0	0.0
LnGrp LOS	E	D		C	A		E	D		E	D	
Approach Vol, veh/h		1037	A		1274	A		706	A		597	A
Approach Delay, s/veh		52.1			4.4			53.2			49.7	
Approach LOS		D			A			D			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	15.8	26.5	38.5	39.3	14.5	27.7	12.2	65.6				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	19.0	* 24	21.0	* 36	19.0	24.3	16.0	41.3				
Max Q Clear Time (g_c+I1), s	9.8	16.9	6.2	29.6	10.2	13.3	8.0	2.1				
Green Ext Time (p_c), s	0.3	2.4	0.3	3.9	0.3	2.4	0.2	14.5				

Intersection Summary

HCM 6th Ctrl Delay	35.1
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th TWSC
 2: Retreat Way/Birkdale Dr & Pleasant Grove Blvd

Existing Conditions
 PM Peak Hour

Intersection												
Int Delay, s/veh	2.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔			↔	
Traffic Vol, veh/h	10	1274	10	9	1639	27	4	0	10	11	1	8
Future Vol, veh/h	10	1274	10	9	1639	27	4	0	10	11	1	8
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	240	-	-	170	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	1274	10	9	1639	27	4	0	10	11	1	8

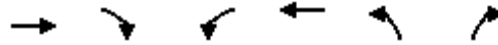
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1666	0	0	1285	0	0	2138	2984	643	2328	2976	833
Stage 1	-	-	-	-	-	-	1300	1300	-	1671	1671	-
Stage 2	-	-	-	-	-	-	838	1684	-	657	1305	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	382	-	-	536	-	-	28	14	416	20	14	312
Stage 1	-	-	-	-	-	-	170	230	-	100	151	-
Stage 2	-	-	-	-	-	-	327	149	-	420	228	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	382	-	-	535	-	-	25	13	416	19	13	312
Mov Cap-2 Maneuver	-	-	-	-	-	-	25	13	-	19	13	-
Stage 1	-	-	-	-	-	-	165	224	-	97	148	-
Stage 2	-	-	-	-	-	-	311	146	-	399	222	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.1	62.8	267.6
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	76	382	-	-	535	-	-	29
HCM Lane V/C Ratio	0.184	0.026	-	-	0.017	-	-	0.69
HCM Control Delay (s)	62.8	14.7	-	-	11.8	-	-	267.6
HCM Lane LOS	F	B	-	-	B	-	-	F
HCM 95th %tile Q(veh)	0.6	0.1	-	-	0.1	-	-	2.2

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Existing Conditions
 PM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↵	↑↑	↵	↵
Traffic Volume (veh/h)	1263	32	152	1637	38	117
Future Volume (veh/h)	1263	32	152	1637	38	117
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.99	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	1263	31	152	1637	38	9
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1611	40	180	2094	54	48
Arrive On Green	0.91	0.91	0.10	0.59	0.03	0.03
Sat Flow, veh/h	3637	87	1781	3647	1781	1585
Grp Volume(v), veh/h	633	661	152	1637	38	9
Grp Sat Flow(s),veh/h/ln	1777	1854	1781	1777	1781	1585
Q Serve(g_s), s	13.5	13.5	10.1	42.1	2.5	0.7
Cycle Q Clear(g_c), s	13.5	13.5	10.1	42.1	2.5	0.7
Prop In Lane		0.05	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	808	843	180	2094	54	48
V/C Ratio(X)	0.78	0.78	0.84	0.78	0.71	0.19
Avail Cap(c_a), veh/h	808	843	386	2496	386	343
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	3.6	3.6	53.0	18.8	57.7	56.8
Incr Delay (d2), s/veh	7.5	7.2	4.1	3.0	6.2	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	3.4	4.6	16.3	1.2	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.1	10.8	57.1	21.8	63.8	57.5
LnGrp LOS	B	B	E	C	E	E
Approach Vol, veh/h	1294			1789	47	
Approach Delay, s/veh	10.9			24.8	62.6	
Approach LOS	B			C	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		7.6	16.1	60.3		76.4
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		26.0	26.0	54.3		84.3
Max Q Clear Time (g_c+I1), s		4.5	12.1	15.5		44.1
Green Ext Time (p_c), s		0.0	0.1	18.4		26.6
Intersection Summary						
HCM 6th Ctrl Delay			19.6			
HCM 6th LOS			B			

Intersection

Int Delay, s/veh 10.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔	↔		↔	
Traffic Vol, veh/h	12	1349	19	13	1777	37	5	0	23	26	1	4
Future Vol, veh/h	12	1349	19	13	1777	37	5	0	23	26	1	4
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	50	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1349	19	13	1777	37	5	0	23	26	1	4

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1814	0	0	1369	0	0	2299	3224	685	2521	3215	907
Stage 1	-	-	-	-	-	-	1384	1384	-	1822	1822	-
Stage 2	-	-	-	-	-	-	915	1840	-	699	1393	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	335	-	-	497	-	-	21	9	391	~ 14	10	279
Stage 1	-	-	-	-	-	-	151	209	-	80	127	-
Stage 2	-	-	-	-	-	-	294	124	-	397	207	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	335	-	-	497	-	-	18	8	391	~ 13	9	279
Mov Cap-2 Maneuver	-	-	-	-	-	-	18	8	-	~ 13	9	-
Stage 1	-	-	-	-	-	-	145	201	-	77	124	-
Stage 2	-	-	-	-	-	-	280	121	-	360	199	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.1	60.2	\$ 1014.9
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	18	391	335	-	-	497	-	-	15
HCM Lane V/C Ratio	0.278	0.059	0.036	-	-	0.026	-	-	2.067
HCM Control Delay (s)	269.2	14.8	16.1	-	-	12.4	-	-	\$ 1014.9
HCM Lane LOS	F	B	C	-	-	B	-	-	F
HCM 95th %tile Q(veh)	0.8	0.2	0.1	-	-	0.1	-	-	4.6

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔			↔		
Traffic Vol, veh/h	27	1350	23	9	1803	48	7	0	54	13	2	15
Future Vol, veh/h	27	1350	23	9	1803	48	7	0	54	13	2	15
Conflicting Peds, #/hr	1	0	1	1	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	27	1350	23	9	1803	48	7	0	54	13	2	15

























Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1852	0	0	1374	0	0	2157	3287	688	2416	3250	903
Stage 1	-	-	-	-	-	-	1417	1417	-	1822	1822	-
Stage 2	-	-	-	-	-	-	740	1870	-	594	1428	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	149	-	-	257	-	-	51	9	333	35	9	241
Stage 1	-	-	-	-	-	-	101	201	-	52	127	-
Stage 2	-	-	-	-	-	-	340	120	-	418	199	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	149	-	-	257	-	-	32	7	333	25	7	241
Mov Cap-2 Maneuver	-	-	-	-	-	-	32	7	-	25	7	-
Stage 1	-	-	-	-	-	-	83	164	-	43	122	-
Stage 2	-	-	-	-	-	-	303	116	-	287	163	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	0.1	40.7	277.5
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	160	149	-	-	257	-	-	35
HCM Lane V/C Ratio	0.381	0.181	-	-	0.035	-	-	0.857
HCM Control Delay (s)	40.7	34.4	-	-	19.5	-	-	277.5
HCM Lane LOS	E	D	-	-	C	-	-	F
HCM 95th %tile Q(veh)	1.6	0.6	-	-	0.1	-	-	3.1



































HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Existing Conditions
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	144	1107	158	818	1385	140	311	408	507	237	822	164
Future Volume (veh/h)	144	1107	158	818	1385	140	311	408	507	237	822	164
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	144	1107	0	818	1385	0	311	408	0	237	822	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	190	1331		908	1327		359	829		285	1014	
Arrive On Green	0.06	0.25	0.00	0.18	0.37	0.00	0.10	0.23	0.00	0.08	0.20	0.00
Sat Flow, veh/h	3456	5375	1585	5023	3554	1585	3456	3554	1585	3456	5106	1585
Grp Volume(v), veh/h	144	1107	0	818	1385	0	311	408	0	237	822	0
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1777	1585	1728	1777	1585	1728	1702	1585
Q Serve(g_s), s	6.2	29.3	0.0	23.9	56.0	0.0	13.3	14.9	0.0	10.1	23.1	0.0
Cycle Q Clear(g_c), s	6.2	29.3	0.0	23.9	56.0	0.0	13.3	14.9	0.0	10.1	23.1	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	190	1331		908	1327		359	829		285	1014	
V/C Ratio(X)	0.76	0.83		0.90	1.04		0.87	0.49		0.83	0.81	
Avail Cap(c_a), veh/h	329	1337		1105	1327		484	900		461	1191	
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	69.9	53.5	0.0	60.1	47.0	0.0	66.2	49.8	0.0	67.8	57.4	0.0
Incr Delay (d2), s/veh	2.3	4.9	0.0	8.0	37.0	0.0	9.6	0.7	0.0	3.2	4.2	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	2.8	13.5	0.0	10.6	30.7	0.0	6.3	6.6	0.0	4.5	10.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.2	58.4	0.0	68.1	84.0	0.0	75.7	50.5	0.0	70.9	61.6	0.0
LnGrp LOS	E	E		E	F		E	D		E	E	
Approach Vol, veh/h		1251	A		2203	A		719	A		1059	A
Approach Delay, s/veh		60.0			78.1			61.4			63.7	
Approach LOS		E			E			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	16.4	41.0	33.1	42.8	21.6	35.8	14.0	62.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	20.0	38.0	33.0	37.3	21.0	35.0	14.3	56.0				
Max Q Clear Time (g_c+I1), s	12.1	16.9	25.9	31.3	15.3	25.1	8.2	58.0				
Green Ext Time (p_c), s	0.3	3.4	1.2	4.3	0.3	4.7	0.1	0.0				
Intersection Summary												
HCM 6th Ctrl Delay			68.6									
HCM 6th LOS			E									
Notes												
Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.												

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
 AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	 	  		 	  		 	 		 	 	
Traffic Volume (veh/h)	42	1075	202	151	471	195	131	366	256	333	417	190
Future Volume (veh/h)	42	1075	202	151	471	195	131	366	256	333	417	190
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	42	1075	0	151	471	0	131	366	0	333	417	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	75	1672		807	2825		189	475		398	742	
Arrive On Green	0.02	0.33	0.00	0.47	1.00	0.00	0.05	0.13	0.00	0.12	0.21	0.00
Sat Flow, veh/h	3456	5106	1585	3456	5106	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	42	1075	0	151	471	0	131	366	0	333	417	0
Grp Sat Flow(s),veh/h/ln	1728	1702	1585	1728	1702	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	1.4	21.5	0.0	3.1	0.0	0.0	4.5	11.9	0.0	11.3	12.6	0.0
Cycle Q Clear(g_c), s	1.4	21.5	0.0	3.1	0.0	0.0	4.5	11.9	0.0	11.3	12.6	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	75	1672		807	2825		189	475		398	742	
V/C Ratio(X)	0.56	0.64		0.19	0.17		0.69	0.77		0.84	0.56	
Avail Cap(c_a), veh/h	461	1672		807	2825		576	542		778	749	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	58.1	34.4	0.0	25.3	0.0	0.0	55.7	50.2	0.0	52.0	42.6	0.0
Incr Delay (d2), s/veh	2.4	1.9	0.0	0.0	0.0	0.0	1.7	7.0	0.0	1.8	1.4	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	0.6	8.8	0.0	1.2	0.0	0.0	2.0	5.7	0.0	4.9	5.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.5	36.3	0.0	25.4	0.0	0.0	57.5	57.2	0.0	53.8	43.9	0.0
LnGrp LOS	E	D		C	A		E	E		D	D	
Approach Vol, veh/h		1117	A		622	A		497	A		750	A
Approach Delay, s/veh		37.2			6.2			57.3			48.3	
Approach LOS		D			A			E			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.5	21.8	33.7	45.0	10.5	30.7	6.6	72.1				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	27.0	* 18	16.0	* 39	20.0	25.3	16.0	39.3				
Max Q Clear Time (g_c+I1), s	13.3	13.9	5.1	23.5	6.5	14.6	3.4	2.0				
Green Ext Time (p_c), s	0.5	1.2	0.2	9.0	0.2	2.8	0.0	5.3				

Intersection Summary

HCM 6th Ctrl Delay	36.9
HCM 6th LOS	D

Notes

User approved ignoring U-Turning movement.
 * HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th TWSC
 2: Retreat Way/Birkdale Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
 AM Peak Hour

Intersection

Int Delay, s/veh 0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑			↔ ↑		
Traffic Vol, veh/h	8	1681	3	4	775	18	0	0	12	0	0	40
Future Vol, veh/h	8	1681	3	4	775	18	0	0	12	0	0	40
Conflicting Peds, #/hr	1	0	2	2	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	170	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	8	1681	3	4	775	18	0	0	12	0	0	40

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	794	0	0	1686	0	0	-	-	844	-	-	398
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	492	-	-	180	-	-	0	0	263	0	0	514
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	492	-	-	180	-	-	-	-	262	-	-	514
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.1	19.4	12.6
HCM LOS			C	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	262	492	-	-	180	-	-	514
HCM Lane V/C Ratio	0.046	0.016	-	-	0.022	-	-	0.078
HCM Control Delay (s)	19.4	12.4	-	-	25.5	-	-	12.6
HCM Lane LOS	C	B	-	-	D	-	-	B
HCM 95th %tile Q(veh)	0.1	0.1	-	-	0.1	-	-	0.3

HCM 6th Signalized Intersection Summary
3: Country Club Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
AM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↑		↵	↑↑↑	↵	↵
Traffic Volume (veh/h)	1655	39	145	723	74	194
Future Volume (veh/h)	1655	39	145	723	74	194
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.99	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	1655	38	145	723	74	20
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2937	67	173	3587	100	89
Arrive On Green	1.00	1.00	0.10	0.70	0.06	0.06
Sat Flow, veh/h	5302	118	1781	5274	1781	1585
Grp Volume(v), veh/h	1097	596	145	723	74	20
Grp Sat Flow(s),veh/h/ln	1702	1848	1781	1702	1781	1585
Q Serve(g_s), s	0.0	0.0	9.6	5.9	4.9	1.4
Cycle Q Clear(g_c), s	0.0	0.0	9.6	5.9	4.9	1.4
Prop In Lane		0.06	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1947	1057	173	3587	100	89
V/C Ratio(X)	0.56	0.56	0.84	0.20	0.74	0.23
Avail Cap(c_a), veh/h	1947	1057	386	3587	386	343
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	53.3	6.2	55.8	54.2
Incr Delay (d2), s/veh	1.2	2.2	4.1	0.1	4.1	0.5
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	0.6	4.4	1.8	2.3	0.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	1.2	2.2	57.4	6.3	59.9	54.6
LnGrp LOS	A	A	E	A	E	D
Approach Vol, veh/h	1693			868	94	
Approach Delay, s/veh	1.5			14.8	58.7	
Approach LOS	A			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		10.7	15.6	74.4		90.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		26.0	26.0	54.3		84.3
Max Q Clear Time (g_c+I1), s		6.9	11.6	2.0		7.9
Green Ext Time (p_c), s		0.1	0.1	29.6		9.5
Intersection Summary						
HCM 6th Ctrl Delay			7.9			
HCM 6th LOS			A			
Notes						
User approved ignoring U-Turning movement.						

HCM 6th TWSC
4: Hemingway Dr/Laporte Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
AM Peak Hour

Intersection

Int Delay, s/veh 0.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑			↔ ↑		
Traffic Vol, veh/h	6	1866	6	27	831	11	0	0	20	0	0	37
Future Vol, veh/h	6	1866	6	27	831	11	0	0	20	0	0	37
Conflicting Peds, #/hr	2	0	4	4	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	1866	6	27	831	11	0	0	20	0	0	37

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	844	0	0	1876	0	0	-	-	940	-	-	423
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	465	-	-	144	-	-	0	0	227	0	0	495
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	464	-	-	143	-	-	-	-	226	-	-	494
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	1.1	22.5	12.9
HCM LOS			C	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	226	464	-	-	143	-	-	494
HCM Lane V/C Ratio	0.088	0.013	-	-	0.189	-	-	0.075
HCM Control Delay (s)	22.5	12.9	-	-	35.9	-	-	12.9
HCM Lane LOS	C	B	-	-	E	-	-	B
HCM 95th %tile Q(veh)	0.3	0	-	-	0.7	-	-	0.2

HCM 6th TWSC
5: Driveway/Misty Wood Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
AM Peak Hour

Intersection

Int Delay, s/veh 0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔			↔		
Traffic Vol, veh/h	41	1842	18	14	816	27	0	0	25	0	0	51
Future Vol, veh/h	41	1842	18	14	816	27	0	0	25	0	0	51
Conflicting Peds, #/hr	5	0	4	4	0	5	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	41	1842	18	14	816	27	0	0	25	0	0	51

























Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	848	0	0	1864	0	0	-	-	934	-	-	413
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	463	-	-	147	-	-	0	0	230	0	0	503
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	461	-	-	146	-	-	-	-	229	-	-	501
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.5	22.6	13
HCM LOS			C	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	229	461	-	-	146	-	-	501
HCM Lane V/C Ratio	0.109	0.089	-	-	0.096	-	-	0.102
HCM Control Delay (s)	22.6	13.6	-	-	32.3	-	-	13
HCM Lane LOS	C	B	-	-	D	-	-	B
HCM 95th %tile Q(veh)	0.4	0.3	-	-	0.3	-	-	0.3

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	167	1536	175	372	604	164	152	535	681	185	388	98
Future Volume (veh/h)	167	1536	175	372	604	164	152	535	681	185	388	98
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	167	1536	0	372	604	0	152	535	0	185	388	98
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	224	1907		469	1957		210	628		244	952	296
Arrive On Green	0.06	0.35	0.00	0.09	0.38	0.00	0.06	0.18	0.00	0.07	0.19	0.19
Sat Flow, veh/h	3456	5375	1585	5023	5106	1585	3456	3554	1585	3456	5106	1585
Grp Volume(v), veh/h	167	1536	0	372	604	0	152	535	0	185	388	98
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1702	1585	1728	1777	1585	1728	1702	1585
Q Serve(g_s), s	5.7	31.0	0.0	8.7	9.9	0.0	5.2	17.5	0.0	6.3	8.0	4.2
Cycle Q Clear(g_c), s	5.7	31.0	0.0	8.7	9.9	0.0	5.2	17.5	0.0	6.3	8.0	4.2
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	224	1907		469	1957		210	628		244	952	296
V/C Ratio(X)	0.75	0.81		0.79	0.31		0.72	0.85		0.76	0.41	0.33
Avail Cap(c_a), veh/h	354	1907		795	1957		461	711		461	1021	317
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	55.1	35.0	0.0	53.3	25.9	0.0	55.4	47.9	0.0	54.8	43.0	17.8
Incr Delay (d2), s/veh	1.9	2.9	0.0	1.2	0.4	0.0	1.8	9.6	0.0	1.8	0.4	1.0
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	13.4	0.0	3.6	4.0	0.0	2.3	8.4	0.0	2.7	3.3	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	57.0	37.8	0.0	54.4	26.3	0.0	57.1	57.5	0.0	56.6	43.4	18.7
LnGrp LOS	E	D		D	C		E	E		E	D	B
Approach Vol, veh/h		1703	A		976	A		687	A		671	
Approach Delay, s/veh		39.7			37.0			57.4			43.4	
Approach LOS		D			D			E			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	12.5	27.2	17.2	48.3	11.3	28.4	13.5	52.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	4.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	16.0	24.0	19.0	39.3	16.0	24.0	12.3	46.0				
Max Q Clear Time (g_c+I1), s	8.3	19.5	10.7	33.0	7.2	10.0	7.7	11.9				
Green Ext Time (p_c), s	0.2	1.7	0.5	5.4	0.1	3.2	0.1	6.1				

Intersection Summary



































HCM 6th Ctrl Delay	42.7
HCM 6th LOS	D

Notes

User approved ignoring U-Turning movement.
Unsignalized Delay for [NBR, EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
 PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	 	  		 	  		 	 		 	 	
Traffic Volume (veh/h)	176	861	187	243	1043	379	241	465	204	229	368	121
Future Volume (veh/h)	176	861	187	243	1043	379	241	465	204	229	368	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	176	861	0	243	1043	0	241	465	0	229	368	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	235	1545		866	2550		302	615		290	653	
Arrive On Green	0.07	0.30	0.00	0.50	1.00	0.00	0.09	0.17	0.00	0.08	0.18	0.00
Sat Flow, veh/h	3456	5106	1585	3456	5106	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	176	861	0	243	1043	0	241	465	0	229	368	0
Grp Sat Flow(s),veh/h/ln	1728	1702	1585	1728	1702	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	6.0	17.0	0.0	4.9	0.1	0.0	8.2	14.9	0.0	7.8	11.3	0.0
Cycle Q Clear(g_c), s	6.0	17.0	0.0	4.9	0.1	0.0	8.2	14.9	0.0	7.8	11.3	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	235	1545		866	2550		302	615		290	653	
V/C Ratio(X)	0.75	0.56		0.28	0.41		0.80	0.76		0.79	0.56	
Avail Cap(c_a), veh/h	461	1545		866	2550		547	720		547	720	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	54.9	35.1	0.0	23.7	0.0	0.0	53.7	47.2	0.0	53.9	44.6	0.0
Incr Delay (d2), s/veh	1.8	1.5	0.0	0.1	0.2	0.0	1.8	4.8	0.0	1.8	1.4	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	7.0	0.0	1.8	0.1	0.0	3.6	6.9	0.0	3.4	5.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.7	36.6	0.0	23.7	0.2	0.0	55.6	52.0	0.0	55.8	46.0	0.0
LnGrp LOS	E	D		C	A		E	D		E	D	
Approach Vol, veh/h		1037	A		1286	A		706	A		597	A
Approach Delay, s/veh		40.0			4.7			53.2			49.7	
Approach LOS		D			A			D			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	15.8	26.5	35.8	42.0	14.5	27.7	12.2	65.6				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	19.0	* 24	21.0	* 36	19.0	24.3	16.0	41.3				
Max Q Clear Time (g_c+I1), s	9.8	16.9	6.9	19.0	10.2	13.3	8.0	2.1				
Green Ext Time (p_c), s	0.3	2.4	0.3	7.7	0.3	2.4	0.2	14.0				

Intersection Summary

HCM 6th Ctrl Delay	31.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

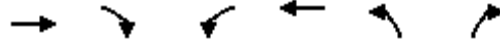
HCM 6th TWSC
 2: Retreat Way/Birkdale Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
 PM Peak Hour

Intersection												
Int Delay, s/veh	0.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	S ↑↑↑			S ↑↑↑			↑			↑		
Traffic Vol, veh/h	10	1285	11	9	1643	27	0	0	10	0	0	20
Future Vol, veh/h	10	1285	11	9	1643	27	0	0	10	0	0	20
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	170	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	1285	11	9	1643	27	0	0	10	0	0	20
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1670	0	0	1297	0	0	-	-	649	-	-	835
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	183	-	-	281	-	-	0	0	354	0	0	267
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	183	-	-	281	-	-	-	-	354	-	-	267
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			0.1			15.5			19.6		
HCM LOS							C			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	354	183	-	-	281	-	-	267				
HCM Lane V/C Ratio	0.028	0.055	-	-	0.032	-	-	0.075				
HCM Control Delay (s)	15.5	25.8	-	-	18.2	-	-	19.6				
HCM Lane LOS	C	D	-	-	C	-	-	C				
HCM 95th %tile Q(veh)	0.1	0.2	-	-	0.1	-	-	0.2				

HCM 6th Signalized Intersection Summary
3: Country Club Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
PM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↑		↵	↑↑↑	↵	↵
Traffic Volume (veh/h)	1263	32	179	1637	42	117
Future Volume (veh/h)	1263	32	179	1637	42	117
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.99	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	1263	31	179	1637	42	9
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2832	70	208	3587	59	52
Arrive On Green	1.00	1.00	0.12	0.70	0.03	0.03
Sat Flow, veh/h	5293	126	1781	5274	1781	1585
Grp Volume(v), veh/h	839	455	179	1637	42	9
Grp Sat Flow(s),veh/h/ln	1702	1846	1781	1702	1781	1585
Q Serve(g_s), s	0.0	0.0	11.8	16.8	2.8	0.7
Cycle Q Clear(g_c), s	0.0	0.0	11.8	16.8	2.8	0.7
Prop In Lane		0.07	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1881	1020	208	3587	59	52
V/C Ratio(X)	0.45	0.45	0.86	0.46	0.71	0.17
Avail Cap(c_a), veh/h	1881	1020	386	3587	386	343
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	52.1	7.8	57.5	56.4
Incr Delay (d2), s/veh	0.8	1.4	4.1	0.4	5.9	0.6
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	0.4	5.4	5.2	1.4	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	0.8	1.4	56.2	8.2	63.3	57.0
LnGrp LOS	A	A	E	A	E	E
Approach Vol, veh/h	1294			1816	51	
Approach Delay, s/veh	1.0			13.0	62.2	
Approach LOS	A			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		8.0	18.0	72.0		90.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		26.0	26.0	54.3		84.3
Max Q Clear Time (g_c+I1), s		4.8	13.8	2.0		18.8
Green Ext Time (p_c), s		0.0	0.2	19.8		32.8

Intersection Summary

HCM 6th Ctrl Delay	8.9
HCM 6th LOS	A

Notes

User approved ignoring U-Turning movement.

HCM 6th TWSC
 4: Hemingway Dr/Laporte Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
 PM Peak Hour

Intersection

Int Delay, s/veh 0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑			↔ ↑		
Traffic Vol, veh/h	12	1375	20	28	1782	37	0	0	28	0	0	31
Future Vol, veh/h	12	1375	20	28	1782	37	0	0	28	0	0	31
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1375	20	28	1782	37	0	0	28	0	0	31

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1819	0	0	1396	0	0	-	-	699	-	-	910
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	154	-	-	251	-	-	0	0	328	0	0	238
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	154	-	-	251	-	-	-	-	328	-	-	238
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB			WB			NB			SB
HCM Control Delay, s	0.3			0.3			17			22.4
HCM LOS							C			C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	328	154	-	-	251	-	-	238
HCM Lane V/C Ratio	0.085	0.078	-	-	0.112	-	-	0.13
HCM Control Delay (s)	17	30.3	-	-	21.1	-	-	22.4
HCM Lane LOS	C	D	-	-	C	-	-	C
HCM 95th %tile Q(veh)	0.3	0.2	-	-	0.4	-	-	0.4

HCM 6th TWSC
5: Driveway/Misty Wood Dr & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
PM Peak Hour

Intersection												
Int Delay, s/veh	0.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑ ↗						↗		
Traffic Vol, veh/h	32	1363	25	9	1810	48	0	0	61	0	0	30
Future Vol, veh/h	32	1363	25	9	1810	48	0	0	61	0	0	30
Conflicting Peds, #/hr	1	0	1	1	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	32	1363	25	9	1810	48	0	0	61	0	0	30

























Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1859	0	0	1389	0	0	-	-	695	-	-	906
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	147	-	-	253	-	-	0	0	330	0	0	240
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	147	-	-	253	-	-	-	-	330	-	-	240
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0.1	18.4	22.1
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	330	147	-	-	253	-	-	240
HCM Lane V/C Ratio	0.185	0.218	-	-	0.036	-	-	0.125
HCM Control Delay (s)	18.4	36.2	-	-	19.8	-	-	22.1
HCM Lane LOS	C	E	-	-	C	-	-	C
HCM 95th %tile Q(veh)	0.7	0.8	-	-	0.1	-	-	0.4

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Existing Volumes Under Project Conditions
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	151	1107	158	818	1385	140	311	408	507	237	822	164
Future Volume (veh/h)	151	1107	158	818	1385	140	311	408	507	237	822	164
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	151	1107	0	818	1385	0	311	408	0	237	822	164
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	197	1342		908	1906		359	840		285	1030	320
Arrive On Green	0.06	0.25	0.00	0.18	0.37	0.00	0.10	0.24	0.00	0.08	0.20	0.20
Sat Flow, veh/h	3456	5375	1585	5023	5106	1585	3456	3554	1585	3456	5106	1585
Grp Volume(v), veh/h	151	1107	0	818	1385	0	311	408	0	237	822	164
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1702	1585	1728	1777	1585	1728	1702	1585
Q Serve(g_s), s	6.5	29.2	0.0	23.9	35.0	0.0	13.3	14.9	0.0	10.1	23.0	9.6
Cycle Q Clear(g_c), s	6.5	29.2	0.0	23.9	35.0	0.0	13.3	14.9	0.0	10.1	23.0	9.6
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	1342		908	1906		359	840		285	1030	320
V/C Ratio(X)	0.77	0.82		0.90	0.73		0.87	0.49		0.83	0.80	0.51
Avail Cap(c_a), veh/h	329	1342		1105	1906		484	900		461	1191	370
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	69.7	53.2	0.0	60.1	40.4	0.0	66.2	49.4	0.0	67.8	57.0	26.0
Incr Delay (d2), s/veh	2.3	4.7	0.0	8.0	2.5	0.0	9.6	0.6	0.0	3.2	3.8	1.9
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	13.5	0.0	10.6	14.7	0.0	6.3	6.6	0.0	4.5	10.1	3.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.1	57.8	0.0	68.1	42.9	0.0	75.7	50.0	0.0	70.9	60.8	27.9
LnGrp LOS	E	E		E	D		E	D		E	E	C
Approach Vol, veh/h		1258	A		2203	A		719	A		1223	
Approach Delay, s/veh		59.5			52.3			61.2			58.3	
Approach LOS		E			D			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	16.4	41.5	33.1	43.2	21.6	36.3	14.3	62.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	20.0	38.0	33.0	37.3	21.0	35.0	14.3	56.0				
Max Q Clear Time (g_c+I1), s	12.1	16.9	25.9	31.2	15.3	25.0	8.5	37.0				
Green Ext Time (p_c), s	0.3	3.4	1.2	4.3	0.3	5.3	0.1	11.9				
Intersection Summary												
HCM 6th Ctrl Delay			56.5									
HCM 6th LOS			E									
Notes												
Unsignalized Delay for [NBR, EBR, WBR] is excluded from calculations of the approach delay and intersection delay.												

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Existing Plus Project Conditions
PM Peak Hour

Intersection 1 **Woodcreek Oaks Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	241	243	100.9%	46.2	2.6	D
	Through	465	466	100.2%	39.2	4.0	D
	Right Turn	204	205	100.3%	3.4	0.3	A
	Subtotal	910	913	100.4%	33.4	1.8	C
SB	Left Turn	229	228	99.5%	44.3	4.3	D
	Through	368	366	99.5%	36.8	2.6	D
	Right Turn	121	121	99.8%	2.4	0.2	A
	Subtotal	718	715	99.5%	33.5	2.6	C
EB	Left Turn	176	180	102.3%	56.2	4.5	E
	Through	861	858	99.6%	30.7	2.9	C
	Right Turn	187	183	97.7%	3.9	0.3	A
	Subtotal	1,224	1,220	99.7%	30.3	2.4	C
WB	Left Turn	243	242	99.5%	42.7	3.4	D
	Through	1,043	1,044	100.1%	28.9	1.3	C
	Right Turn	379	368	97.2%	8.3	0.8	A
	Subtotal	1,665	1,654	99.3%	25.6	0.9	C
Total		4,517	4,502	99.7%	29.9	1.0	C

Intersection 2 **Birkdale Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn	10	9	89.0%	9.1	6.0	A
	Subtotal	10	9	89.0%	9.1	6.0	A
SB	Left Turn						
	Through						
	Right Turn	20	19	96.0%	14.9	8.3	B
	Subtotal	20	19	96.0%	14.9	8.3	B
EB	Left Turn	10	8	83.0%	25.4	20.6	D
	Through	1,285	1,279	99.5%	0.8	0.2	A
	Right Turn	11	14	123.6%	0.4	0.4	A
	Subtotal	1,306	1,301	99.6%	1.0	0.2	A
WB	Left Turn	9	8	90.0%	15.6	10.8	C
	Through	1,643	1,641	99.9%	3.0	0.8	A
	Right Turn	27	28	104.4%	3.4	1.8	A
	Subtotal	1,679	1,677	99.9%	3.1	0.8	A
Total		3,015	3,006	99.7%	2.3	0.4	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Existing Plus Project Conditions
PM Peak Hour

Intersection 3 **Country Club Dr/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	42	44	105.5%	44.4	10.1	D
	Through						
	Right Turn	117	111	94.6%	12.5	2.6	B
	Subtotal	159	155	97.5%	22.5	3.8	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,263	1,250	99.0%	9.0	1.2	A
	Right Turn	32	32	101.3%	7.8	0.9	A
	Subtotal	1,295	1,282	99.0%	8.9	1.1	A
WB	Left Turn	179	174	97.0%	57.8	5.4	E
	Through	1,637	1,634	99.8%	12.6	1.8	B
	Right Turn						
	Subtotal	1,816	1,808	99.5%	17.4	2.2	B
Total		3,270	3,245	99.2%	14.4	1.4	B

Intersection 4 **Laporte Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn	28	30	108.6%	20.2	10.1	C
	Subtotal	28	30	108.6%	20.2	10.1	C
SB	Left Turn						
	Through						
	Right Turn	31	29	94.5%	19.0	7.5	C
	Subtotal	31	29	94.5%	19.0	7.5	C
EB	Left Turn	12	12	98.3%	27.6	22.4	D
	Through	1,375	1,351	98.3%	3.8	0.6	A
	Right Turn	20	23	114.0%	3.3	1.4	A
	Subtotal	1,407	1,386	98.5%	4.0	0.5	A
WB	Left Turn	28	28	100.7%	15.9	10.1	C
	Through	1,782	1,778	99.8%	2.5	0.3	A
	Right Turn	37	35	93.8%	2.5	1.0	A
	Subtotal	1,847	1,841	99.7%	2.7	0.3	A
Total		3,313	3,287	99.2%	3.6	0.4	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Existing Plus Project Conditions
PM Peak Hour

Intersection 5 **Misty Wood Dr/Pleasant Grove Blvd** **Side-street Stop**

























Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	61	60	99.0%	20.4	22.3	C
	Subtotal	61	60	99.0%	20.4	22.3	C
SB	Left Turn						
	Through						
	Right Turn	30	30	99.7%	13.6	6.8	B
	Subtotal	30	30	99.7%	13.6	6.8	B
EB	Left Turn	32	31	97.8%	16.0	4.4	C
	Through	1,363	1,347	98.8%	3.3	0.9	A
	Right Turn	25	24	96.8%	2.8	1.1	A
	Subtotal	1,420	1,403	98.8%	3.6	0.9	A
WB	Left Turn	9	9	98.9%	33.3	36.7	D
	Through	1,810	1,806	99.8%	0.8	0.1	A
	Right Turn	48	46	96.7%	0.1	0.1	A
	Subtotal	1,867	1,861	99.7%	1.0	0.3	A
Total		3,378	3,354	99.3%	2.5	0.7	A

Intersection 6 **Foothills Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	311	301	96.8%	65.8	6.3	E
	Through	408	401	98.4%	43.5	5.2	D
	Right Turn	507	512	100.9%	3.0	0.5	A
	Subtotal	1,226	1,214	99.0%	35.1	2.7	D
SB	Left Turn	237	234	98.9%	67.6	7.2	E
	Through	822	819	99.6%	53.2	3.7	D
	Right Turn	164	163	99.6%	25.1	6.6	C
	Subtotal	1,223	1,216	99.5%	52.2	3.1	D
EB	Left Turn	151	148	97.9%	73.8	9.7	E
	Through	1,107	1,081	97.6%	77.7	22.6	E
	Right Turn	158	159	100.6%	-2.9	5.0	A
	Subtotal	1,416	1,388	98.0%	69.6	18.7	E
WB	Left Turn	818	823	100.6%	61.8	5.0	E
	Through	1,385	1,391	100.5%	21.1	2.3	C
	Right Turn	140	142	101.6%	5.4	0.9	A
	Subtotal	2,343	2,356	100.6%	39.4	3.0	D
Total		6,208	6,174	99.5%	48.0	5.4	D

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Cumulative Conditions
 AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	260	1310	210	160	810	200	140	950	270	340	560	250
Future Volume (veh/h)	260	1310	210	160	810	200	140	950	270	340	560	250
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	260	1310	0	160	810	0	140	950	0	340	560	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	308	1429		462	1627		186	1025		369	1254	
Arrive On Green	0.09	0.40	0.00	0.27	0.92	0.00	0.05	0.29	0.00	0.11	0.35	0.00
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	260	1310	0	160	810	0	140	950	0	340	560	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	11.1	52.4	0.0	5.6	5.3	0.0	6.0	38.9	0.0	14.6	18.2	0.0
Cycle Q Clear(g_c), s	11.1	52.4	0.0	5.6	5.3	0.0	6.0	38.9	0.0	14.6	18.2	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	308	1429		462	1627		186	1025		369	1254	
V/C Ratio(X)	0.84	0.92		0.35	0.50		0.75	0.93		0.92	0.45	
Avail Cap(c_a), veh/h	438	1429		462	1627		299	1050		369	1254	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	67.3	42.5	0.0	49.7	3.6	0.0	70.0	51.8	0.0	66.4	37.3	0.0
Incr Delay (d2), s/veh	7.3	10.8	0.0	0.2	0.4	0.0	2.3	13.8	0.0	27.7	0.4	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	5.1	24.3	0.0	2.3	1.3	0.0	2.7	19.0	0.0	7.8	7.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.6	53.3	0.0	49.8	4.1	0.0	72.3	65.6	0.0	94.1	37.7	0.0
LnGrp LOS	E	D		D	A		E	E		F	D	
Approach Vol, veh/h		1570	A		970	A		1090	A		900	A
Approach Delay, s/veh		56.8			11.6			66.4			59.0	
Approach LOS		E			B			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	21.7	49.0	25.8	66.0	12.1	58.6	17.4	74.4				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	16.0	* 44	10.0	* 60	13.0	47.3	19.0	51.3				
Max Q Clear Time (g_c+I1), s	16.6	40.9	7.6	54.4	8.0	20.2	13.1	7.3				
Green Ext Time (p_c), s	0.0	2.3	0.1	4.7	0.1	6.1	0.2	10.6				

Intersection Summary

HCM 6th Ctrl Delay	49.9
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th TWSC
2: Retreat Way/Birkdale Dr & Pleasant Grove Blvd

Cumulative Conditions
AM Peak Hour

Intersection

Int Delay, s/veh 21.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔			↔	
Traffic Vol, veh/h	20	1895	5	5	1135	20	5	0	20	30	0	30
Future Vol, veh/h	20	1895	5	5	1135	20	5	0	20	30	0	30
Conflicting Peds, #/hr	1	0	2	2	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	240	-	-	170	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	22	2129	6	6	1275	22	6	0	22	34	0	34

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1298	0	0	2137	0	0	2828	3488	1070	2408	3480	650
Stage 1	-	-	-	-	-	-	2178	2178	-	1299	1299	-
Stage 2	-	-	-	-	-	-	650	1310	-	1109	2181	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	530	-	-	250	-	-	8	6	217	~ 17	6	412
Stage 1	-	-	-	-	-	-	47	84	-	171	230	-
Stage 2	-	-	-	-	-	-	424	227	-	223	83	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	529	-	-	250	-	-	7	6	217	~ 14	6	412
Mov Cap-2 Maneuver	-	-	-	-	-	-	7	6	-	~ 14	6	-
Stage 1	-	-	-	-	-	-	45	80	-	164	224	-
Stage 2	-	-	-	-	-	-	380	221	-	192	79	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.1	\$ 318.6	\$ 988.2
HCM LOS			F	F

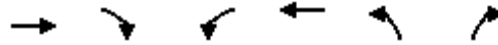
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	31	529	-	-	250	-	-	27
HCM Lane V/C Ratio	0.906	0.042	-	-	0.022	-	-	2.497
HCM Control Delay (s)	\$ 318.6	12.1	-	-	19.7	-	-	\$ 988.2
HCM Lane LOS	F	B	-	-	C	-	-	F
HCM 95th %tile Q(veh)	3.1	0.1	-	-	0.1	-	-	8.2

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Cumulative Conditions
 AM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↔	↑↑	↔	↔
Traffic Volume (veh/h)	1905	40	120	1070	90	200
Future Volume (veh/h)	1905	40	120	1070	90	200
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.97	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	1905	39	120	1070	90	26
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2096	43	142	2471	113	101
Arrive On Green	1.00	1.00	0.08	0.70	0.06	0.06
Sat Flow, veh/h	3653	73	1781	3647	1781	1585
Grp Volume(v), veh/h	947	997	120	1070	90	26
Grp Sat Flow(s),veh/h/ln	1777	1855	1781	1777	1781	1585
Q Serve(g_s), s	0.0	0.0	10.0	19.7	7.5	2.3
Cycle Q Clear(g_c), s	0.0	0.0	10.0	19.7	7.5	2.3
Prop In Lane		0.04	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1046	1092	142	2471	113	101
V/C Ratio(X)	0.91	0.91	0.84	0.43	0.79	0.26
Avail Cap(c_a), veh/h	1046	1092	226	2471	428	380
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	68.1	10.0	69.3	66.9
Incr Delay (d2), s/veh	12.7	13.0	8.5	0.6	4.7	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	3.9	4.8	7.2	3.6	1.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	12.7	13.0	76.6	10.5	73.9	67.3
LnGrp LOS	B	B	E	B	E	E
Approach Vol, veh/h	1944			1190	116	
Approach Delay, s/veh	12.8			17.2	72.5	
Approach LOS	B			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		13.5	16.0	94.0		110.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		36.0	19.0	81.3		104.3
Max Q Clear Time (g_c+I1), s		9.5	12.0	2.0		21.7
Green Ext Time (p_c), s		0.2	0.1	52.9		17.8
Intersection Summary						
HCM 6th Ctrl Delay			16.5			
HCM 6th LOS			B			

Intersection

Int Delay, s/veh 31.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↓		↔	↑↓			↔	↔		↔	
Traffic Vol, veh/h	10	2085	10	20	1160	20	10	0	30	30	0	20
Future Vol, veh/h	10	2085	10	20	1160	20	10	0	30	30	0	20
Conflicting Peds, #/hr	2	0	4	4	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	50	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	11	2343	11	22	1303	22	11	0	34	34	0	22

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1327	0	0	2358	0	0	3071	3746	1181	2554	3740	665
Stage 1	-	-	-	-	-	-	2375	2375	-	1360	1360	-
Stage 2	-	-	-	-	-	-	696	1371	-	1194	2380	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	516	-	-	204	-	-	~ 5	4	183	~ 13	4	403
Stage 1	-	-	-	-	-	-	35	66	-	156	215	-
Stage 2	-	-	-	-	-	-	398	212	-	198	66	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	515	-	-	203	-	-	~ 4	3	182	~ 10	3	402
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 4	3	-	~ 10	3	-
Stage 1	-	-	-	-	-	-	34	64	-	152	191	-
Stage 2	-	-	-	-	-	-	335	189	-	158	64	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.4	\$ 635.3	\$ 1616.5
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	4	182	515	-	-	203	-	-	16
HCM Lane V/C Ratio	2.809	0.185	0.022	-	-	0.111	-	-	3.511
HCM Control Delay (s)	\$ 2453.6	29.2	12.1	-	-	24.9	-	-	\$ 1616.5
HCM Lane LOS	F	D	B	-	-	C	-	-	F
HCM 95th %tile Q(veh)	2.6	0.7	0.1	-	-	0.4	-	-	7.7

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 90.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔	↔			↔	
Traffic Vol, veh/h	80	2045	20	20	1135	100	5	10	30	20	0	60
Future Vol, veh/h	80	2045	20	20	1135	100	5	10	30	20	0	60
Conflicting Peds, #/hr	5	0	4	4	0	5	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	2298	22	22	1275	112	6	11	34	22	0	67

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1392	0	0	2324	0	0	3047	3929	1164	2429	3828	643
Stage 1	-	-	-	-	-	-	2493	2493	-	1324	1324	-
Stage 2	-	-	-	-	-	-	554	1436	-	1105	2504	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	252	-	-	85	-	-	14	~3	161	34	4	357
Stage 1	-	-	-	-	-	-	17	57	-	118	224	-
Stage 2	-	-	-	-	-	-	442	197	-	202	57	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	251	-	-	85	-	-	7	~1	160	-	2	355
Mov Cap-2 Maneuver	-	-	-	-	-	-	7	~1	-	-	2	-
Stage 1	-	-	-	-	-	-	11	36	-	75	165	-
Stage 2	-	-	-	-	-	-	265	145	-	70	36	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1	1	\$ 6985.2	
HCM LOS			F	-













Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	4	251	-	-	85	-	-	-
HCM Lane V/C Ratio	12.64	0.358	-	-	0.264	-	-	-
HCM Control Delay (s)	\$ 6985.2	27.1	-	-	61.9	-	-	-
HCM Lane LOS	F	D	-	-	F	-	-	-
HCM 95th %tile Q(veh)	8.1	1.6	-	-	1	-	-	-

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Cumulative Conditions
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	🚗🚗	↑↑↑	↘	🚗🚗	↑↑	↘	🚗🚗	↑↑↑	↘	🚗🚗	↑↑↑	↘
Traffic Volume (veh/h)	360	1555	180	570	925	170	190	1030	870	190	430	140
Future Volume (veh/h)	360	1555	180	570	925	170	190	1030	870	190	430	140
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	360	1555	0	570	925	0	190	1030	0	190	430	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	530	1989		640	1222		234	1152		234	1451	
Arrive On Green	0.15	0.37	0.00	0.13	0.34	0.00	0.07	0.23	0.00	0.07	0.23	0.00
Sat Flow, veh/h	3456	5375	1585	5023	3554	1585	3456	5106	1585	3456	6434	1585
Grp Volume(v), veh/h	360	1555	0	570	925	0	190	1030	0	190	430	0
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1777	1585	1728	1702	1585	1728	1609	1585
Q Serve(g_s), s	14.8	38.5	0.0	16.8	34.6	0.0	8.1	29.4	0.0	8.1	8.3	0.0
Cycle Q Clear(g_c), s	14.8	38.5	0.0	16.8	34.6	0.0	8.1	29.4	0.0	8.1	8.3	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	530	1989		640	1222		234	1152		234	1451	
V/C Ratio(X)	0.68	0.78		0.89	0.76		0.81	0.89		0.81	0.30	
Avail Cap(c_a), veh/h	707	2197		703	1222		253	1191		253	1501	
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	60.0	41.9	0.0	64.4	43.6	0.0	69.0	56.3	0.0	69.0	48.2	0.0
Incr Delay (d2), s/veh	0.7	2.0	0.0	12.0	4.4	0.0	15.2	9.1	0.0	15.2	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	6.4	16.9	0.0	7.7	15.6	0.0	4.0	13.3	0.0	4.0	3.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.7	43.9	0.0	76.4	48.0	0.0	84.1	65.4	0.0	84.1	48.4	0.0
LnGrp LOS	E	D		E	D		F	E		F	D	
Approach Vol, veh/h		1915	A		1495	A		1220	A		620	A
Approach Delay, s/veh		47.1			58.9			68.3			59.3	
Approach LOS		D			E			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	14.2	39.8	25.1	61.2	14.2	39.8	28.7	57.6				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	4.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	11.0	35.0	21.0	61.3	11.0	35.0	30.7	51.6				
Max Q Clear Time (g_c+I1), s	10.1	31.4	18.8	40.5	10.1	10.3	16.8	36.6				
Green Ext Time (p_c), s	0.0	2.5	0.4	15.0	0.0	3.8	0.6	7.0				

Intersection Summary

























HCM 6th Ctrl Delay	56.8
HCM 6th LOS	E

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Cumulative Conditions
 PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	270	1270	200	240	1500	380	250	750	240	230	1120	320
Future Volume (veh/h)	270	1270	200	240	1500	380	250	750	240	230	1120	320
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	278	1309	0	247	1546	0	258	773	0	237	1155	0
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, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	302	1517		663	1925		259	901		390	1073	
Arrive On Green	0.09	0.43	0.00	0.38	1.00	0.00	0.08	0.25	0.00	0.11	0.30	0.00
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	278	1309	0	247	1546	0	258	773	0	237	1155	0
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	12.8	53.5	0.0	8.2	0.0	0.0	11.9	33.2	0.0	10.5	48.3	0.0
Cycle Q Clear(g_c), s	12.8	53.5	0.0	8.2	0.0	0.0	11.9	33.2	0.0	10.5	48.3	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	302	1517		663	1925		259	901		390	1073	
V/C Ratio(X)	0.92	0.86		0.37	0.80		1.00	0.86		0.61	1.08	
Avail Cap(c_a), veh/h	302	1517		663	1925		259	1028		390	1073	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	72.4	41.6	0.0	42.4	0.0	0.0	74.0	57.0	0.0	67.6	55.8	0.0
Incr Delay (d2), s/veh	31.1	6.7	0.0	0.1	2.8	0.0	54.5	7.4	0.0	2.0	50.6	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	6.9	24.1	0.0	3.2	0.7	0.0	7.2	15.7	0.0	4.7	28.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	103.6	48.3	0.0	42.5	2.8	0.0	128.5	64.4	0.0	69.6	106.4	0.0
LnGrp LOS	F	D		D	A		F	E		E	F	
Approach Vol, veh/h		1587	A		1793	A		1031	A		1392	A
Approach Delay, s/veh		58.0			8.3			80.4			100.2	
Approach LOS		E			A			F			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	23.7	46.3	36.4	74.0	16.0	54.0	18.0	92.4				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	14.0	* 46	12.0	* 68	12.0	48.3	14.0	66.3				
Max Q Clear Time (g_c+I1), s	12.5	35.2	10.2	55.5	13.9	50.3	14.8	2.0				
Green Ext Time (p_c), s	0.1	5.4	0.1	9.3	0.0	0.0	0.0	32.1				

Intersection Summary

HCM 6th Ctrl Delay	56.7
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th TWSC
 2: Retreat Way/Birkdale Dr & Pleasant Grove Blvd

Cumulative Conditions
 PM Peak Hour

Intersection

Int Delay, s/veh 40.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↔			↔ ↑↔				↔			↔	
Traffic Vol, veh/h	20	1710	10	10	2095	30	5	0	10	20	5	20
Future Vol, veh/h	20	1710	10	10	2095	30	5	0	10	20	5	20
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	240	-	-	170	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	1763	10	10	2160	31	5	0	10	21	5	21

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2191	0	0	1774	0	0	2914	4022	888	3120	4012	1096
Stage 1	-	-	-	-	-	-	1811	1811	-	2196	2196	-
Stage 2	-	-	-	-	-	-	1103	2211	-	924	1816	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	238	-	-	347	-	-	7	3	287	~5	~3	208
Stage 1	-	-	-	-	-	-	81	129	-	46	82	-
Stage 2	-	-	-	-	-	-	225	80	-	290	128	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	238	-	-	347	-	-	-	3	287	~4	~3	208
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	3	-	~4	~3	-
Stage 1	-	-	-	-	-	-	74	118	-	42	80	-
Stage 2	-	-	-	-	-	-	184	78	-	255	117	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0.1		\$ 3556.6
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	238	-	-	347	-	-	7
HCM Lane V/C Ratio	-	0.087	-	-	0.03	-	-	6.627
HCM Control Delay (s)	-	21.6	-	-	15.7	-	-	\$ 3556.6
HCM Lane LOS	-	C	-	-	C	-	-	F
HCM 95th %tile Q(veh)	-	0.3	-	-	0.1	-	-	7.3

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Cumulative Conditions
 PM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↵	↑↑	↵	↵
Traffic Volume (veh/h)	1690	50	160	2095	40	120
Future Volume (veh/h)	1690	50	160	2095	40	120
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	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	1742	51	165	2160	41	13
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2235	65	187	2716	58	51
Arrive On Green	1.00	1.00	0.10	0.76	0.03	0.03
Sat Flow, veh/h	3617	103	1781	3647	1781	1585
Grp Volume(v), veh/h	875	918	165	2160	41	13
Grp Sat Flow(s),veh/h/ln	1777	1849	1781	1777	1781	1585
Q Serve(g_s), s	0.0	0.0	14.6	58.4	3.6	1.3
Cycle Q Clear(g_c), s	0.0	0.0	14.6	58.4	3.6	1.3
Prop In Lane		0.06	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1127	1173	187	2716	58	51
V/C Ratio(X)	0.78	0.78	0.88	0.80	0.71	0.25
Avail Cap(c_a), veh/h	1127	1173	390	2716	312	277
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	70.6	11.3	76.7	75.5
Incr Delay (d2), s/veh	5.3	5.2	5.3	2.5	5.9	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	1.7	6.9	19.9	1.8	0.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	5.3	5.2	75.9	13.8	82.5	76.5
LnGrp LOS	A	A	E	B	F	E
Approach Vol, veh/h	1793			2325	54	
Approach Delay, s/veh	5.3			18.2	81.1	
Approach LOS	A			B	F	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		9.2	20.8	107.2		128.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		28.0	35.0	83.3		122.3
Max Q Clear Time (g_c+I1), s		5.6	16.6	2.0		60.4
Green Ext Time (p_c), s		0.1	0.2	46.2		49.9
Intersection Summary						
HCM 6th Ctrl Delay			13.5			
HCM 6th LOS			B			

Intersection

Int Delay, s/veh 117

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↕		↔	↕			↕	↕		↕	
Traffic Vol, veh/h	20	1760	30	20	2245	40	5	0	30	30	5	5
Future Vol, veh/h	20	1760	30	20	2245	40	5	0	30	30	5	5
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	50	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	1814	31	21	2314	41	5	0	31	31	5	5

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2355	0	0	1846	0	0	3075	4270	924	3326	4265	1178
Stage 1	-	-	-	-	-	-	1873	1873	-	2377	2377	-
Stage 2	-	-	-	-	-	-	1202	2397	-	949	1888	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	205	-	-	325	-	-	~ 5	2	271	~ 3	~ 2	184
Stage 1	-	-	-	-	-	-	74	120	-	35	66	-
Stage 2	-	-	-	-	-	-	196	64	-	280	118	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	205	-	-	325	-	-	-	2	271	~ 2	~ 2	184
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	2	-	~ 2	~ 2	-
Stage 1	-	-	-	-	-	-	66	108	-	31	62	-
Stage 2	-	-	-	-	-	-	163	60	-	223	106	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.1		\$ 12234.7
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	271	205	-	-	325	-	-	2
HCM Lane V/C Ratio	-	0.114	0.101	-	-	0.063	-	-	20.619
HCM Control Delay (s)	-	20	24.5	-	-	16.8	-	-	\$ 12234.7
HCM Lane LOS	-	C	C	-	-	C	-	-	F
HCM 95th %tile Q(veh)	-	0.4	0.3	-	-	0.2	-	-	7.1

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 145.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔	↔			↔	
Traffic Vol, veh/h	70	1720	30	10	2225	50	10	0	60	20	5	70
Future Vol, veh/h	70	1720	30	10	2225	50	10	0	60	20	5	70
Conflicting Peds, #/hr	1	0	1	1	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	200	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	72	1773	31	10	2294	52	10	0	62	21	5	72

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2347	0	0	1805	0	0	2874	4301	903	3168	4264	1148
Stage 1	-	-	-	-	-	-	1934	1934	-	2315	2315	-
Stage 2	-	-	-	-	-	-	940	2367	-	853	1949	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	83	-	-	157	-	-	18	2	241	~ 11	~ 2	165
Stage 1	-	-	-	-	-	-	43	111	-	23	71	-
Stage 2	-	-	-	-	-	-	256	67	-	290	110	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	83	-	-	157	-	-	~ 3	0	241	~ 2	0	165
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 3	0	-	~ 2	0	-
Stage 1	-	-	-	-	-	-	~ 6	15	-	~ 3	66	-
Stage 2	-	-	-	-	-	-	124	63	-	29	15	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.9	0.1	\$ 1569.8	\$ 5255.7
HCM LOS			F	F













Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	20	83	-	-	157	-	-	9
HCM Lane V/C Ratio	3.608	0.869	-	-	0.066	-	-	10.882
HCM Control Delay (s)	\$ 1569.8	152.5	-	-	29.5	-	-	\$ 5255.7
HCM Lane LOS	F	F	-	-	D	-	-	F
HCM 95th %tile Q(veh)	9.4	4.6	-	-	0.2	-	-	13.8

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Cumulative Conditions
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	🚗🚗	↑↑↑	↘	🚗🚗	↑↑	↘	🚗🚗	↑↑↑	↘	🚗🚗	↑↑↑	↘
Traffic Volume (veh/h)	250	1390	160	990	1645	140	320	410	740	240	1590	320
Future Volume (veh/h)	250	1390	160	990	1645	140	320	410	740	240	1590	320
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	250	1390	0	990	1645	0	320	410	0	240	1590	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	291	1595		848	1355		346	1567		283	1779	
Arrive On Green	0.08	0.30	0.00	0.17	0.38	0.00	0.10	0.31	0.00	0.08	0.28	0.00
Sat Flow, veh/h	3456	5375	1585	5023	3554	1585	3456	5106	1585	3456	6434	1585
Grp Volume(v), veh/h	250	1390	0	990	1645	0	320	410	0	240	1590	0
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1777	1585	1728	1702	1585	1728	1609	1585
Q Serve(g_s), s	11.4	39.3	0.0	27.0	61.0	0.0	14.7	9.7	0.0	11.0	38.0	0.0
Cycle Q Clear(g_c), s	11.4	39.3	0.0	27.0	61.0	0.0	14.7	9.7	0.0	11.0	38.0	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	291	1595		848	1355		346	1567		283	1779	
V/C Ratio(X)	0.86	0.87		1.17	1.21		0.93	0.26		0.85	0.89	
Avail Cap(c_a), veh/h	309	1623		848	1355		346	1567		367	1810	
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	72.3	53.4	0.0	66.5	49.5	0.0	71.4	41.8	0.0	72.4	55.6	0.0
Incr Delay (d2), s/veh	18.9	5.7	0.0	88.2	103.4	0.0	29.7	0.1	0.0	11.0	6.3	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	5.8	18.2	0.0	18.3	45.7	0.0	7.8	4.1	0.0	5.2	15.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	91.2	59.1	0.0	154.7	152.9	0.0	101.2	41.9	0.0	83.4	61.9	0.0
LnGrp LOS	F	E		F	F		F	D		F	E	
Approach Vol, veh/h		1640	A		2635	A		730	A		1830	A
Approach Delay, s/veh		64.0			153.6			67.9			64.7	
Approach LOS		E			F			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	17.1	55.1	33.0	53.2	22.0	50.2	19.2	67.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	17.0	46.0	27.0	48.3	16.0	45.0	14.3	61.0				
Max Q Clear Time (g_c+I1), s	13.0	11.7	29.0	41.3	16.7	40.0	13.4	63.0				
Green Ext Time (p_c), s	0.2	4.0	0.0	5.6	0.0	4.2	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay			99.1									
HCM 6th LOS			F									
Notes												
Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.												

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Conditions
PM Peak Hour

Intersection 1 **Woodcreek Oaks Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	250	244	97.8%	103.9	25.0	F
	Through	750	744	99.2%	52.5	5.1	D
	Right Turn	240	234	97.4%	5.4	1.3	A
	Subtotal	1,240	1,222	98.5%	53.1	5.5	D
SB	Left Turn	230	224	97.2%	160.0	14.4	F
	Through	1,120	1,064	95.0%	158.7	16.5	F
	Right Turn	320	302	94.3%	95.9	16.2	F
	Subtotal	1,670	1,590	95.2%	147.1	17.2	F
EB	Left Turn	270	238	88.0%	253.6	14.4	F
	Through	1,270	1,097	86.4%	238.0	8.0	F
	Right Turn	200	157	78.7%	170.0	10.0	F
	Subtotal	1,740	1,492	85.7%	233.9	7.5	F
WB	Left Turn	240	179	74.5%	204.5	60.5	F
	Through	1,500	1,148	76.5%	224.9	62.0	F
	Right Turn	380	283	74.6%	165.3	60.0	F
	Subtotal	2,120	1,611	76.0%	213.0	61.8	F
Total		6,770	5,914	87.4%	169.0	17.2	F

Intersection 2 **Birkdale Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	5	2	48.0%	511.9	380.0	F
	Through						
	Right Turn	10	7	74.0%	319.8	266.2	F
	Subtotal	15	10	65.3%	19.7	31.4	C
SB	Left Turn	20	9	47.0%	554.9	404.7	F
	Through	5	3	58.0%	388.5	445.3	F
	Right Turn	20	14	67.5%	630.6	380.0	F
	Subtotal	45	26	57.3%	97.5	203.6	F
EB	Left Turn	20	17	84.5%	219.4	177.2	F
	Through	1,710	1,504	87.9%	2.5	0.3	A
	Right Turn	10	9	91.0%	1.1	1.3	A
	Subtotal	1,740	1,530	87.9%	4.5	1.5	A
WB	Left Turn	10	9	89.0%	72.1	47.4	F
	Through	2,095	1,622	77.4%	89.9	50.4	F
	Right Turn	30	27	88.7%	77.8	47.4	F
	Subtotal	2,135	1,658	77.7%	89.7	50.3	F
Total		3,935	3,223	81.9%	47.4	23.7	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Conditions
PM Peak Hour

Intersection 3 **Country Club Dr/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	40	41	101.3%	69.5	13.2	E
	Through						
	Right Turn	120	122	102.0%	17.4	4.9	B
	Subtotal	160	163	101.8%	29.3	7.0	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,690	1,470	87.0%	20.3	2.1	C
	Right Turn	50	44	88.6%	17.9	4.9	B
	Subtotal	1,740	1,515	87.1%	20.3	2.1	C
WB	Left Turn	160	126	78.9%	88.3	9.9	F
	Through	2,095	1,679	80.1%	29.8	13.3	C
	Right Turn						
	Subtotal	2,255	1,805	80.1%	34.0	12.7	C
Total		4,155	3,483	83.8%	27.7	7.0	C

Intersection 4 **Laporte Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	5	5	96.0%	121.0	253.7	F
	Through						
	Right Turn	30	32	105.7%	19.5	6.2	C
	Subtotal	35	37	104.3%	29.9	17.5	D
SB	Left Turn	30	12	39.3%	714.5	107.8	F
	Through	5	2	46.0%	570.8	289.6	F
	Right Turn	5	2	44.0%	655.8	192.8	F
	Subtotal	40	16	40.8%	613.0	230.1	F
EB	Left Turn	20	19	92.5%	39.7	18.6	E
	Through	1,760	1,540	87.5%	3.6	0.3	A
	Right Turn	30	24	80.7%	3.0	1.5	A
	Subtotal	1,810	1,583	87.4%	4.1	0.5	A
WB	Left Turn	20	16	80.0%	17.0	8.8	C
	Through	2,245	1,804	80.3%	4.6	0.5	A
	Right Turn	40	32	80.3%	5.0	0.6	A
	Subtotal	2,305	1,852	80.3%	4.7	0.5	A
Total		4,190	3,487	83.2%	8.8	2.2	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Conditions
PM Peak Hour

Intersection 5 **Misty Wood Dr/Pleasant Grove Blvd** **Side-street Stop**



































Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	10	10	102.0%	161.9	115.9	F
	Through						
	Right Turn	60	53	88.7%	109.2	125.0	F
	Subtotal	70	63	90.6%	116.8	120.2	F
SB	Left Turn	20	18	89.0%	195.3	177.2	F
	Through	5	5	98.0%	260.5	188.8	F
	Right Turn	70	63	90.3%	229.0	137.6	F
	Subtotal	95	86	90.4%	234.7	145.3	F
EB	Left Turn	70	61	87.3%	42.5	9.9	E
	Through	1,720	1,495	86.9%	4.5	6.8	A
	Right Turn	30	26	85.3%	4.1	8.6	A
	Subtotal	1,820	1,581	86.9%	6.0	6.6	A
WB	Left Turn	10	8	76.0%	17.7	17.1	C
	Through	2,225	1,764	79.3%	3.5	0.6	A
	Right Turn	50	40	79.4%	0.1	0.1	A
	Subtotal	2,285	1,811	79.3%	3.5	0.7	A
Total		4,270	3,542	82.9%	11.4	4.0	B

Intersection 6 **Foothills Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	320	318	99.4%	150.6	67.4	F
	Through	410	433	105.6%	36.7	10.0	D
	Right Turn	740	730	98.7%	3.9	6.3	A
	Subtotal	1,470	1,482	100.8%	47.2	19.6	D
SB	Left Turn	240	243	101.2%	98.4	12.3	F
	Through	1,590	1,633	102.7%	62.6	9.5	E
	Right Turn	320	322	100.6%	8.6	2.3	A
	Subtotal	2,150	2,198	102.2%	58.1	8.7	E
EB	Left Turn	250	216	86.5%	80.7	12.3	F
	Through	1,390	1,191	85.7%	69.9	24.5	E
	Right Turn	160	137	85.4%	11.0	3.8	B
	Subtotal	1,800	1,543	85.7%	66.4	19.3	E
WB	Left Turn	990	681	68.8%	341.9	25.5	F
	Through	1,645	1,183	71.9%	96.7	30.1	F
	Right Turn	140	97	69.3%	61.4	31.1	E
	Subtotal	2,775	1,960	70.6%	320.7	28.0	F
Total		8,195	7,183	87.6%	135.2	6.5	F

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Cumulative Plus Project Conditions
 AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	 	  		  	  		 	 		 	 	
Traffic Volume (veh/h)	158	1376	202	224	761	229	131	940	544	387	442	245
Future Volume (veh/h)	158	1376	202	224	761	229	131	940	544	387	442	245
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	158	1376	0	224	761	0	131	940	0	387	442	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	203	1678		336	1932		176	1056		432	1360	
Arrive On Green	0.06	0.33	0.00	0.19	0.76	0.00	0.05	0.30	0.00	0.13	0.38	0.00
Sat Flow, veh/h	3456	5106	1585	3456	5106	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	158	1376	0	224	761	0	131	940	0	387	442	0
Grp Sat Flow(s),veh/h/ln	1728	1702	1585	1728	1702	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	6.8	37.1	0.0	9.0	7.8	0.0	5.6	37.9	0.0	16.5	13.2	0.0
Cycle Q Clear(g_c), s	6.8	37.1	0.0	9.0	7.8	0.0	5.6	37.9	0.0	16.5	13.2	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	203	1678		336	1932		176	1056		432	1360	
V/C Ratio(X)	0.78	0.82		0.67	0.39		0.75	0.89		0.89	0.32	
Avail Cap(c_a), veh/h	276	1678		336	1932		230	1121		484	1381	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	69.6	46.3	0.0	58.2	12.3	0.0	70.2	50.4	0.0	64.6	32.6	0.0
Incr Delay (d2), s/veh	6.2	4.6	0.0	4.1	0.2	0.0	5.9	9.3	0.0	16.6	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	16.0	0.0	3.8	2.4	0.0	2.6	18.0	0.0	8.2	5.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	75.8	50.9	0.0	62.3	12.5	0.0	76.1	59.7	0.0	81.2	32.9	0.0
LnGrp LOS	E	D		E	B		E	E		F	C	
Approach Vol, veh/h		1534	A		985	A		1071	A		829	A
Approach Delay, s/veh		53.5			23.8			61.7			55.4	
Approach LOS		D			C			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	24.5	50.3	20.3	55.0	11.6	63.1	12.8	62.4				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	21.0	* 47	13.0	* 49	10.0	58.3	12.0	50.3				
Max Q Clear Time (g_c+I1), s	18.5	39.9	11.0	39.1	7.6	15.2	8.8	9.8				
Green Ext Time (p_c), s	0.2	4.6	0.1	7.7	0.0	5.2	0.1	9.5				

Intersection Summary

HCM 6th Ctrl Delay	49.2
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection

Int Delay, s/veh 0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑			↔ ↑		
Traffic Vol, veh/h	10	2322	5	10	1164	20	0	0	10	0	0	45
Future Vol, veh/h	10	2322	5	10	1164	20	0	0	10	0	0	45
Conflicting Peds, #/hr	0	0	0	2	0	1	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	170	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	2322	5	10	1164	20	0	0	10	0	0	45

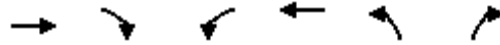
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1185	0	0	2329	0	0	-	-	1166	-	-	593
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	318	-	-	85	-	-	0	0	161	0	0	385
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	318	-	-	85	-	-	-	-	161	-	-	385
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.4	28.8	15.6
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	161	318	-	-	85	-	-	385
HCM Lane V/C Ratio	0.062	0.031	-	-	0.118	-	-	0.117
HCM Control Delay (s)	28.8	16.7	-	-	52.9	-	-	15.6
HCM Lane LOS	D	C	-	-	F	-	-	C
HCM 95th %tile Q(veh)	0.2	0.1	-	-	0.4	-	-	0.4

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Cumulative Plus Project Conditions
 AM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↑		↵	↑↑↑	↵	↵
Traffic Volume (veh/h)	2194	143	146	1087	107	231
Future Volume (veh/h)	2194	143	146	1087	107	231
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.97	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	2194	142	146	1087	107	57
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2810	180	168	3550	132	117
Arrive On Green	1.00	1.00	0.09	0.70	0.07	0.07
Sat Flow, veh/h	5061	314	1781	5274	1781	1585
Grp Volume(v), veh/h	1520	816	146	1087	107	57
Grp Sat Flow(s),veh/h/ln	1702	1803	1781	1702	1781	1585
Q Serve(g_s), s	0.0	0.0	12.1	12.4	8.9	5.2
Cycle Q Clear(g_c), s	0.0	0.0	12.1	12.4	8.9	5.2
Prop In Lane		0.17	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1955	1035	168	3550	132	117
V/C Ratio(X)	0.78	0.79	0.87	0.31	0.81	0.49
Avail Cap(c_a), veh/h	1955	1035	226	3550	428	380
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	67.0	8.8	68.4	66.7
Incr Delay (d2), s/veh	3.1	6.1	18.7	0.2	4.5	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	1.7	6.3	4.3	4.2	2.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	3.1	6.1	85.7	9.1	72.9	67.9
LnGrp LOS	A	A	F	A	E	E
Approach Vol, veh/h	2336			1233	164	
Approach Delay, s/veh	4.2			18.1	71.2	
Approach LOS	A			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		15.1	18.2	91.8		110.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		36.0	19.0	81.3		104.3
Max Q Clear Time (g_c+I1), s		10.9	14.1	2.0		14.4
Green Ext Time (p_c), s		0.2	0.1	60.0		17.5
Intersection Summary						
HCM 6th Ctrl Delay			11.7			
HCM 6th LOS			B			
Notes						
User approved ignoring U-Turning movement.						

HCM 6th TWSC
4: Hemingway Dr/Laporte Dr & Pleasant Grove Blvd

Cumulative Plus Project Conditions
AM Peak Hour

Intersection

Int Delay, s/veh 1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑			↔ ↑		
Traffic Vol, veh/h	10	2435	10	30	1193	15	0	0	20	0	0	40
Future Vol, veh/h	10	2435	10	30	1193	15	0	0	20	0	0	40
Conflicting Peds, #/hr	2	0	4	4	0	2	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	275	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	2435	10	30	1193	15	0	0	20	0	0	40

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1210	0	0	2449	0	0	-	-	1227	-	-	606
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	309	-	-	74	-	-	0	0	146	0	0	377
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	308	-	-	74	-	-	-	-	145	-	-	376
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	2	33.8	15.7
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	145	308	-	-	74	-	-	376
HCM Lane V/C Ratio	0.138	0.032	-	-	0.405	-	-	0.106
HCM Control Delay (s)	33.8	17.1	-	-	83.5	-	-	15.7
HCM Lane LOS	D	C	-	-	F	-	-	C
HCM 95th %tile Q(veh)	0.5	0.1	-	-	1.6	-	-	0.4

Intersection

Int Delay, s/veh 0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔			↔		
Traffic Vol, veh/h	45	2405	20	15	1178	30	0	0	25	0	0	55
Future Vol, veh/h	45	2405	20	15	1178	30	0	0	25	0	0	55
Conflicting Peds, #/hr	5	0	4	4	0	5	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	250	-	-	125	-	125	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	45	2405	20	15	1178	30	0	0	25	0	0	55

























Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1213	0	0	2429	0	0	-	-	1217	-	-	594
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	308	-	-	75	-	-	0	0	148	0	0	384
Stage 1	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	307	-	-	75	-	-	-	-	147	-	-	382
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.8	34.4	16
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	147	307	-	-	75	-	-	382
HCM Lane V/C Ratio	0.17	0.147	-	-	0.2	-	-	0.144
HCM Control Delay (s)	34.4	18.7	-	-	64.6	-	-	16
HCM Lane LOS	D	C	-	-	F	-	-	C
HCM 95th %tile Q(veh)	0.6	0.5	-	-	0.7	-	-	0.5

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Cumulative Plus Project Conditions
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	503	1752	175	558	906	164	180	996	739	185	440	132
Future Volume (veh/h)	503	1752	175	558	906	164	180	996	739	185	440	132
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	503	1752	0	558	906	0	180	996	0	185	440	132
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	596	2103		629	1756		224	1134		229	1439	354
Arrive On Green	0.17	0.39	0.00	0.13	0.34	0.00	0.06	0.22	0.00	0.07	0.22	0.22
Sat Flow, veh/h	3456	5375	1585	5023	5106	1585	3456	5106	1585	3456	6434	1585
Grp Volume(v), veh/h	503	1752	0	558	906	0	180	996	0	185	440	132
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1702	1585	1728	1702	1585	1728	1609	1585
Q Serve(g_s), s	21.1	44.2	0.0	16.4	21.2	0.0	7.7	28.3	0.0	7.9	8.5	6.5
Cycle Q Clear(g_c), s	21.1	44.2	0.0	16.4	21.2	0.0	7.7	28.3	0.0	7.9	8.5	6.5
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	596	2103		629	1756		224	1134		229	1439	354
V/C Ratio(X)	0.84	0.83		0.89	0.52		0.80	0.88		0.81	0.31	0.37
Avail Cap(c_a), veh/h	707	2197		703	1756		253	1191		253	1501	370
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	60.1	41.2	0.0	64.6	39.2	0.0	69.2	56.4	0.0	69.1	48.5	18.5
Incr Delay (d2), s/veh	6.9	3.1	0.0	11.4	1.1	0.0	13.2	7.8	0.0	14.2	0.2	1.0
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	9.7	19.5	0.0	7.5	8.9	0.0	3.8	12.7	0.0	3.9	3.4	4.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	67.0	44.3	0.0	75.9	40.3	0.0	82.4	64.1	0.0	83.3	48.7	19.5
LnGrp LOS	E	D		E	D		F	E		F	D	B
Approach Vol, veh/h		2255	A		1464	A		1176	A		757	
Approach Delay, s/veh		49.3			53.9			66.9			52.1	
Approach LOS		D			D			E			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	14.0	39.3	24.8	64.4	13.7	39.5	31.6	57.6				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	4.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	11.0	35.0	21.0	61.3	11.0	35.0	30.7	51.6				
Max Q Clear Time (g_c+I1), s	9.9	30.3	18.4	46.2	9.7	10.5	23.1	23.2				
Green Ext Time (p_c), s	0.0	3.1	0.4	12.6	0.0	4.7	0.7	9.3				

Intersection Summary

HCM 6th Ctrl Delay	54.5
HCM 6th LOS	D

Notes

Unsignalized Delay for [NBR, EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
 1: Woodcreek Oaks Blvd & Pleasant Grove Blvd

Cumulative Plus Project Conditions
 PM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	236	1265	190	343	1727	502	241	598	328	275	1027	251
Future Volume (veh/h)	236	1265	190	343	1727	502	241	598	328	275	1027	251
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	236	1265	0	343	1727	0	241	598	0	275	1027	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	277	1659		511	2060		282	752		597	1114	
Arrive On Green	0.08	0.33	0.00	0.30	0.81	0.00	0.08	0.21	0.00	0.17	0.31	0.00
Sat Flow, veh/h	3456	5106	1585	3456	5106	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	236	1265	0	343	1727	0	241	598	0	275	1027	0
Grp Sat Flow(s),veh/h/ln	1728	1702	1585	1728	1702	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	10.8	35.6	0.0	13.9	32.3	0.0	11.0	25.5	0.0	11.4	44.6	0.0
Cycle Q Clear(g_c), s	10.8	35.6	0.0	13.9	32.3	0.0	11.0	25.5	0.0	11.4	44.6	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	277	1659		511	2060		282	752		597	1114	
V/C Ratio(X)	0.85	0.76		0.67	0.84		0.85	0.80		0.46	0.92	
Avail Cap(c_a), veh/h	302	1659		511	2060		302	1035		597	1146	
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	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	72.6	48.5	0.0	52.9	12.4	0.0	72.5	59.8	0.0	59.5	53.0	0.0
Incr Delay (d2), s/veh	17.5	3.4	0.0	2.8	3.5	0.0	18.3	4.2	0.0	0.2	12.3	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	5.4	15.3	0.0	5.5	5.5	0.0	5.6	11.8	0.0	5.0	21.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.1	51.8	0.0	55.7	15.8	0.0	90.8	63.9	0.0	59.7	65.3	0.0
LnGrp LOS	F	D		E	B		F	E		E	E	
Approach Vol, veh/h		1501	A		2070	A		839	A		1302	A
Approach Delay, s/veh		57.8			22.4			71.7			64.1	
Approach LOS		E			C			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	33.4	39.6	29.4	57.7	17.1	55.9	16.8	70.2				
Change Period (Y+Rc), s	5.7	* 5.7	5.7	* 5.7	4.0	5.7	4.0	5.7				
Max Green Setting (Gmax), s	19.0	* 47	23.0	* 52	14.0	51.6	14.0	61.0				
Max Q Clear Time (g_c+I1), s	13.4	27.5	15.9	37.6	13.0	46.6	12.8	34.3				
Green Ext Time (p_c), s	0.3	5.7	0.4	9.6	0.0	3.5	0.1	19.8				

Intersection Summary

HCM 6th Ctrl Delay	48.5
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection														
Int Delay, s/veh	0.5													
Movement	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		S ↑↑↑			S ↑↑↑					T ↑			T ↑	
Traffic Vol, veh/h	5	10	1853	10	10	2547	30	0	0	10	0	0	20	
Future Vol, veh/h	5	10	1853	10	10	2547	30	0	0	10	0	0	20	
Conflicting Peds, #/hr	0	0	0	1	1	0	0	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	-	-	-	None	-	-	None	-	-	None	-	-	None	
Storage Length	-	150	-	-	170	-	-	-	-	0	-	-	0	
Veh in Median Storage, #	-	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100	100	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	5	10	1853	10	10	2547	30	0	0	10	0	0	20	

Major/Minor	Major1				Major2				Minor1				Minor2			
Conflicting Flow All	1881	2577	0	0	1864	0	0	-	-	933	-	-	-	-	1289	
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Critical Hdwy	5.64	5.34	-	-	5.34	-	-	-	-	7.14	-	-	-	-	7.14	
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Follow-up Hdwy	2.32	3.12	-	-	3.12	-	-	-	-	3.92	-	-	-	-	3.92	
Pot Cap-1 Maneuver	141	63	-	-	147	-	-	0	0	230	0	0	133			
Stage 1	-	-	-	-	-	-	-	0	0	-	0	0	-			
Stage 2	-	-	-	-	-	-	-	0	0	-	0	0	-			
Platoon blocked, %			-	-			-	-			-	-				
Mov Cap-1 Maneuver	75	75	-	-	147	-	-	-	-	230	-	-	133			
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-	-			
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-			

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0.1	21.4	36.8
HCM LOS			C	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	230	75	-	-	147	-	-	133
HCM Lane V/C Ratio	0.043	0.2	-	-	0.068	-	-	0.15
HCM Control Delay (s)	21.4	64.8	-	-	31.3	-	-	36.8
HCM Lane LOS	C	F	-	-	D	-	-	E
HCM 95th %tile Q(veh)	0.1	0.7	-	-	0.2	-	-	0.5

HCM 6th Signalized Intersection Summary
 3: Country Club Dr & Pleasant Grove Blvd

Cumulative Plus Project Conditions
 PM Peak Hour



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↑		↵	↑↑↑	↵	↵
Traffic Volume (veh/h)	1760	103	225	2440	147	117
Future Volume (veh/h)	1760	103	225	2440	147	117
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.97	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	1760	102	225	2440	147	9
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2961	171	247	3903	169	150
Arrive On Green	1.00	1.00	0.14	0.76	0.09	0.09
Sat Flow, veh/h	5096	285	1781	5274	1781	1585
Grp Volume(v), veh/h	1215	647	225	2440	147	9
Grp Sat Flow(s),veh/h/ln	1702	1809	1781	1702	1781	1585
Q Serve(g_s), s	0.0	0.0	19.9	34.5	13.0	0.8
Cycle Q Clear(g_c), s	0.0	0.0	19.9	34.5	13.0	0.8
Prop In Lane		0.16	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2045	1087	247	3903	169	150
V/C Ratio(X)	0.59	0.60	0.91	0.63	0.87	0.06
Avail Cap(c_a), veh/h	2045	1087	390	3903	312	277
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	68.0	8.5	71.4	65.9
Incr Delay (d2), s/veh	1.3	2.4	12.7	0.8	5.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.7	9.8	11.0	6.2	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	1.3	2.4	80.7	9.3	76.7	66.0
LnGrp LOS	A	A	F	A	E	E
Approach Vol, veh/h	1862			2665	156	
Approach Delay, s/veh	1.7			15.3	76.1	
Approach LOS	A			B	E	
Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		19.2	26.2	101.8		128.0
Change Period (Y+Rc), s		4.0	4.0	5.7		5.7
Max Green Setting (Gmax), s		28.0	35.0	83.3		122.3
Max Q Clear Time (g_c+I1), s		15.0	21.9	2.0		36.5
Green Ext Time (p_c), s		0.2	0.2	43.3		68.6

Intersection Summary

HCM 6th Ctrl Delay	11.9
HCM 6th LOS	B

Notes

User approved ignoring U-Turning movement.

HCM 6th TWSC
 4: Hemingway Dr/Laporte Dr & Pleasant Grove Blvd

Cumulative Plus Project Conditions
 PM Peak Hour

Intersection															
Int Delay, s/veh	0.9														
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		↔ ↑↑↑				↔ ↑↑↑						↔			↔
Traffic Vol, veh/h	5	10	1867	20	20	15	2630	40	0	0	30	0	0	30	
Future Vol, veh/h	5	10	1867	20	20	15	2630	40	0	0	30	0	0	30	
Conflicting Peds, #/hr	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	-	-	-	None	-	-	-	None	-	-	None	-	-	None	
Storage Length	-	250	-	-	-	275	-	-	-	-	-	-	-	0	
Veh in Median Storage, #	-	-	0	-	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	-	0	-	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	5	10	1867	20	20	15	2630	40	0	0	30	0	0	30	

Major/Minor	Major1			Major2			Minor1			Minor2				
Conflicting Flow All	1949	2670	0	0	1378	1888	0	0	-	-	945	-	-	1335
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.64	5.34	-	-	5.64	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	2.32	3.12	-	-	2.32	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	129	56	-	-	270	142	-	-	0	0	226	0	0	123
Stage 1	-	-	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %			-	-			-	-						
Mov Cap-1 Maneuver	65	65	-	-	183	183	-	-	-	-	226	-	-	123
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.6	0.4	23.4	43.5
HCM LOS			C	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	226	65	-	-	183	-	-	123
HCM Lane V/C Ratio	0.133	0.231	-	-	0.191	-	-	0.244
HCM Control Delay (s)	23.4	75.8	-	-	29.2	-	-	43.5
HCM Lane LOS	C	F	-	-	D	-	-	E
HCM 95th %tile Q(veh)	0.5	0.8	-	-	0.7	-	-	0.9

Intersection															
Int Delay, s/veh	1.7														
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		↔ ↑↑↑				↔ ↑↑↑			↔			↔			↔
Traffic Vol, veh/h	10	25	1857	25	5	10	2660	50	0	0	65	0	0	35	
Future Vol, veh/h	10	25	1857	25	5	10	2660	50	0	0	65	0	0	35	
Conflicting Peds, #/hr	0	1	0	1	0	1	0	1	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop	
RT Channelized	-	-	-	None	-	-	-	None	-	-	None	-	-	None	
Storage Length	-	250	-	-	-	125	-	125	-	-	0	-	-	0	
Veh in Median Storage, #	-	-	0	-	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	-	0	-	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	10	25	1857	25	5	10	2660	50	0	0	65	0	0	35	

























Major/Minor	Major1			Major2			Minor1			Minor2				
Conflicting Flow All	1942	2711	0	0	1374	1883	0	0	-	-	942	-	-	1331
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	5.64	5.34	-	-	5.64	5.34	-	-	-	-	7.14	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	2.32	3.12	-	-	2.32	3.12	-	-	-	-	3.92	-	-	3.92
Pot Cap-1 Maneuver	130	54	-	-	272	143	-	-	0	0	227	0	0	124
Stage 1	-	-	-	-	-	-	-	-	0	0	-	0	0	-
Stage 2	-	-	-	-	-	-	-	-	0	0	-	0	0	-
Platoon blocked, %			-	-			-	-						
Mov Cap-1 Maneuver	61	61	-	-	157	157	-	-	-	-	227	-	-	124
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.3	0.2	27.1	45.1
HCM LOS			D	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	227	61	-	-	157	-	-	124
HCM Lane V/C Ratio	0.286	0.574	-	-	0.096	-	-	0.282
HCM Control Delay (s)	27.1	123.3	-	-	30.4	-	-	45.1
HCM Lane LOS	D	F	-	-	D	-	-	E
HCM 95th %tile Q(veh)	1.1	2.3	-	-	0.3	-	-	1.1

HCM 6th Signalized Intersection Summary
6: Foothills Blvd & Pleasant Grove Blvd

Cumulative Plus Project Conditions
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	287	1439	201	818	1886	140	344	408	703	237	1481	485
Future Volume (veh/h)	287	1439	201	818	1886	140	344	408	703	237	1481	485
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	1969	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	287	1439	0	818	1886	0	344	408	0	237	1481	485
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	309	1623		848	1947		346	1559		281	1763	434
Arrive On Green	0.09	0.30	0.00	0.17	0.38	0.00	0.10	0.31	0.00	0.08	0.27	0.27
Sat Flow, veh/h	3456	5375	1585	5023	5106	1585	3456	5106	1585	3456	6434	1585
Grp Volume(v), veh/h	287	1439	0	818	1886	0	344	408	0	237	1481	485
Grp Sat Flow(s),veh/h/ln	1728	1792	1585	1674	1702	1585	1728	1702	1585	1728	1609	1585
Q Serve(g_s), s	13.2	40.8	0.0	25.9	58.0	0.0	15.9	9.7	0.0	10.8	34.7	33.6
Cycle Q Clear(g_c), s	13.2	40.8	0.0	25.9	58.0	0.0	15.9	9.7	0.0	10.8	34.7	33.6
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	1623		848	1947		346	1559		281	1763	434
V/C Ratio(X)	0.93	0.89		0.96	0.97		1.00	0.26		0.84	0.84	1.12
Avail Cap(c_a), veh/h	309	1623		848	1947		346	1559		367	1810	446
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	72.3	53.2	0.0	66.0	48.6	0.0	72.0	42.0	0.0	72.5	54.8	34.1
Incr Delay (d2), s/veh	32.8	6.6	0.0	22.5	14.3	0.0	47.1	0.1	0.0	10.5	3.8	78.8
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	7.2	19.0	0.0	12.6	26.4	0.0	9.2	4.1	0.0	5.2	14.3	22.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	105.1	59.8	0.0	88.6	62.8	0.0	119.1	42.1	0.0	83.1	58.6	112.9
LnGrp LOS	F	E		F	E		F	D		F	E	F
Approach Vol, veh/h		1726	A		2704	A		752	A		2203	
Approach Delay, s/veh		67.4			70.6			77.3			73.2	
Approach LOS		E			E			E			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	17.0	54.9	33.0	54.0	22.0	49.8	20.0	67.0				
Change Period (Y+Rc), s	4.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0				
Max Green Setting (Gmax), s	17.0	46.0	27.0	48.3	16.0	45.0	14.3	61.0				
Max Q Clear Time (g_c+I1), s	12.8	11.7	27.9	42.8	17.9	36.7	15.2	60.0				
Green Ext Time (p_c), s	0.2	3.9	0.0	4.5	0.0	7.1	0.0	1.0				

Intersection Summary

HCM 6th Ctrl Delay	71.3
HCM 6th LOS	E

Notes

Unsignalized Delay for [NBR, EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Plus Project Conditions
PM Peak Hour

Intersection 1 **Woodcreek Oaks Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	241	239	99.0%	95.0	15.8	F
	Through	598	592	99.0%	52.8	2.8	D
	Right Turn	328	319	97.3%	4.9	0.4	A
	Subtotal	1,167	1,150	98.5%	47.1	3.6	D
SB	Left Turn	275	270	98.2%	148.3	30.5	F
	Through	1,027	996	97.0%	155.9	31.0	F
	Right Turn	251	258	102.8%	91.1	28.2	F
	Subtotal	1,553	1,524	98.1%	144.2	30.6	F
EB	Left Turn	236	243	102.9%	90.8	9.1	F
	Through	1,265	1,299	102.7%	54.3	4.7	D
	Right Turn	190	200	105.1%	8.1	1.2	A
	Subtotal	1,691	1,741	103.0%	54.4	3.7	D
WB	Left Turn	343	318	92.8%	58.8	2.1	E
	Through	1,727	1,640	95.0%	46.9	3.8	D
	Right Turn	502	473	94.3%	15.6	1.5	B
	Subtotal	2,572	2,432	94.5%	42.4	2.8	D
Total		6,983	6,847	98.1%	69.7	6.6	E

Intersection 2 **Birkdale Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn	10	9	91.0%	11.2	10.5	B
	Subtotal	10	9	91.0%	11.2	10.5	B
SB	Left Turn						
	Through						
	Right Turn	20	20	100.5%	53.9	35.8	F
	Subtotal	20	20	100.5%	53.9	35.8	F
EB	Left Turn	15	17	115.3%	65.3	25.4	F
	Through	1,853	1,854	100.1%	1.0	0.2	A
	Right Turn	10	10	100.0%	0.3	0.3	A
	Subtotal	1,878	1,882	100.2%	1.5	0.2	A
WB	Left Turn	10	9	90.0%	24.9	16.0	C
	Through	2,547	2,434	95.6%	5.4	0.7	A
	Right Turn	30	25	84.3%	5.8	1.2	A
	Subtotal	2,587	2,468	95.4%	5.5	0.7	A
Total		4,495	4,379	97.4%	4.1	0.6	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Plus Project Conditions
PM Peak Hour

Intersection 3 **Country Club Dr/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	147	151	102.4%	53.9	4.3	D
	Through						
	Right Turn	117	121	103.8%	17.6	5.4	B
	Subtotal	264	272	103.0%	38.2	3.3	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,760	1,744	99.1%	19.9	2.9	B
	Right Turn	103	104	101.4%	20.5	3.8	C
	Subtotal	1,863	1,849	99.2%	19.9	2.8	B
WB	Left Turn	225	212	94.1%	77.9	7.3	E
	Through	2,440	2,321	95.1%	17.6	1.1	B
	Right Turn						
	Subtotal	2,665	2,533	95.0%	22.9	1.5	C
Total		4,792	4,653	97.1%	22.7	1.8	C

Intersection 4 **Laporte Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	30	29	97.0%	21.5	10.6	C
	Subtotal	30	29	97.0%	21.5	10.6	C
SB	Left Turn						
	Through						
	Right Turn	30	30	98.3%	32.9	18.7	D
	Subtotal	30	30	98.3%	32.9	18.7	D
EB	Left Turn	15	14	92.0%	77.5	50.9	F
	Through	1,867	1,839	98.5%	3.5	0.7	A
	Right Turn	20	21	103.5%	4.0	1.2	A
	Subtotal	1,902	1,874	98.5%	3.9	0.9	A
WB	Left Turn	35	31	87.4%	24.7	5.3	C
	Through	2,630	2,472	94.0%	3.0	0.4	A
	Right Turn	40	35	87.8%	3.1	1.2	A
	Subtotal	2,705	2,538	93.8%	3.3	0.3	A
Total		4,667	4,470	95.8%	3.9	0.4	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Pleasant Grove Widening
Cumulative Plus Project Conditions
PM Peak Hour

Intersection 5 **Misty Wood Dr/Pleasant Grove Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	65	64	98.0%	171.7	293.2	F
	Subtotal	65	64	98.0%	85.8	169.0	F
SB	Left Turn						
	Through						
	Right Turn	35	40	114.3%	34.9	21.7	D
	Subtotal	35	40	114.3%	34.9	21.7	D
EB	Left Turn	35	36	101.7%	75.3	51.0	F
	Through	1,857	1,824	98.2%	15.3	19.0	C
	Right Turn	25	21	82.0%	17.5	27.0	C
	Subtotal	1,917	1,880	98.1%	16.5	18.6	C
WB	Left Turn	15	13	88.0%	150.8	227.3	F
	Through	2,660	2,473	93.0%	1.1	0.2	A
	Right Turn	50	49	97.4%	0.3	0.1	A
	Subtotal	2,725	2,535	93.0%	1.5	0.6	A
Total		4,742	4,519	95.3%	8.8	8.3	A

Intersection 6 **Foothills Blvd/Pleasant Grove Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	344	342	99.5%	108.2	40.9	F
	Through	408	424	103.8%	41.0	8.9	D
	Right Turn	703	707	100.5%	3.7	7.6	A
	Subtotal	1,455	1,473	101.2%	43.7	16.7	D
SB	Left Turn	237	257	108.4%	128.7	20.2	F
	Through	1,481	1,509	101.9%	100.5	21.8	F
	Right Turn	485	472	97.2%	134.4	21.0	F
	Subtotal	2,203	2,238	101.6%	111.0	20.4	F
EB	Left Turn	287	274	95.6%	132.6	60.1	F
	Through	1,439	1,365	94.9%	116.1	53.1	F
	Right Turn	201	203	100.8%	39.4	34.9	D
	Subtotal	1,927	1,842	95.6%	110.7	49.6	F
WB	Left Turn	818	709	86.6%	138.8	49.2	F
	Through	1,886	1,709	90.6%	29.1	5.0	C
	Right Turn	140	127	90.9%	6.4	1.6	A
	Subtotal	2,844	2,545	89.5%	65.9	15.7	E
Total		8,429	8,097	96.1%	85.3	14.7	F

Intersection 1

Woodcreek Oaks Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	6	3	23	10	36	21	0%	0%
	Left Turn	250	33	5	72	11	101	37	0%	0%
	Through	646	197	10	269	29	309	63	1%	0%
	Right Turn	375	0	0	0	0	0	0	0%	0%
NB	Left Turn	250	77	8	127	16	148	23	0%	0%
	Through	473	142	9	201	18	218	18	0%	0%
	Right Turn	250	0	0	0	0	0	0	0%	0%
SB	Left Turn	1,220	147	10	217	14	243	27	0%	0%
	Through	422	144	7	217	13	250	30	1%	0%
	Right Turn	280	0	0	0	0	0	0	0%	0%
WB	U/Left Turns	405	49	5	97	7	114	18	0%	0%
	Left Turn	405	65	5	110	6	119	15	0%	0%
	Through	515	70	6	117	16	141	35	0%	0%
	Right Turn	250	0	0	0	0	0	0	0%	0%

Intersection 2

Birkdale Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	4	2	19	5	26	1	0%	0%
	Through	150	0	0	0	0	0	0	0%	0%
	Through/Right	150	0	0	0	0	0	0	0%	0%
NB	Right Turn	535	11	2	35	5	38	11	0%	0%
SB	Right Turn	166	26	4	55	5	67	15	0%	0%
WB	U/Left Turns	170	3	1	16	4	29	2	0%	0%
	Through/Right	1,138	0	0	0	0	2	8	0%	0%

Intersection 3

Country Club Dr/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,138	64	8	130	26	159	52	0%	0%
	Through/Right	1,138	67	7	133	20	155	39	0%	0%
NB	Left Turn	1,600	62	6	125	17	171	35	0%	0%
	Right Turn	205	91	10	158	20	187	24	0%	0%
WB	U/Left Turns	300	124	10	205	14	249	21	0%	0%
	Through	1,449	32	6	79	9	102	19	0%	0%

Intersection 4

Laporte Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	2	2	12	8	22	12	0%	0%
	Through	1,449	42	11	105	19	143	40	0%	0%
	Through/Right	1,449	37	10	98	19	121	28	0%	0%
NB	Right Turn	727	17	5	47	10	60	15	0%	0%
SB	Right Turn	520	25	2	54	6	61	17	0%	0%
WB	U/Left Turns	275	21	6	56	11	81	15	0%	0%
	Through	275	0	0	0	0	0	0	0%	0%
	Through/Right	275	0	0	0	0	0	0	0%	0%

Intersection 5

Misty Wood Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	16	2	45	5	63	16	0%	0%
	Through	945	2	7	12	38	25	80	0%	0%
	Through/Right	945	8	15	59	115	251	413	0%	0%
NB	Right Turn	133	20	4	51	8	74	21	0%	0%
SB	Right Turn	669	24	2	47	5	59	13	0%	0%
WB	U/Left Turns	200	15	5	43	10	60	20	0%	0%
	Through	211	0	0	0	0	0	0	0%	0%
	Right Turn	211	0	0	1	3	4	8	0%	0%

Intersection 6

Foothills Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	240	49	3	95	10	117	24	0%	0%
	Left Turn	240	104	26	237	68	363	0	0%	0%
	Through	615	394	42	482	76	537	60	13%	0%
	Right Turn	240	0	0	0	0	0	0	0%	0%
NB	U/Left Turns	240	60	5	108	11	132	26	0%	0%
	Left Turn	240	73	4	122	12	145	32	0%	0%
	Through	414	172	14	245	24	284	47	1%	0%
	Right Turn	270	4	6	43	56	126	163	0%	0%
SB	U/Left Turns	220	69	8	130	15	162	41	0%	0%
	Left Turn	220	92	7	145	15	177	37	0%	0%
	Through	401	113	8	165	14	185	24	0%	0%
	Right Turn	230	31	5	55	10	64	16	0%	0%
WB	U/Left Turns	450	69	4	120	8	139	14	0%	0%
	Left Turn	801	119	9	172	8	193	17	0%	0%
	Through	801	65	8	111	12	130	25	0%	0%
	Right Turn	250	0	0	0	0	0	0	0%	0%

Intersection 1

Woodcreek Oaks Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	69	9	135	13	158	28	0%	0%
	Left Turn	250	104	9	169	24	221	63	0%	0%
	Through	646	172	11	243	25	294	71	0%	0%
	Right Turn	375	0	0	0	0	0	0	0%	0%
NB	Left Turn	250	119	8	172	12	192	20	0%	0%
	Through	473	164	10	239	18	274	31	1%	0%
	Right Turn	250	0	0	0	0	0	0	0%	0%
SB	Left Turn	1,220	111	5	175	16	215	51	0%	0%
	Through	422	137	7	202	19	248	64	0%	0%
	Right Turn	280	0	0	0	0	0	0	0%	0%
WB	U/Left Turns	405	75	4	144	13	165	12	0%	0%
	Left Turn	405	101	5	165	15	195	28	0%	0%
	Through	515	182	11	286	19	315	39	3%	0%
	Right Turn	250	1	4	13	40	37	117	0%	0%

Intersection 2

Birkdale Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	6	3	23	8	35	12	0%	0%
	Through/Right	268	0	1	2	6	8	18	0%	0%
NB	Right Turn	535	8	3	29	6	33	7	0%	0%
	Right Turn	166	17	4	44	5	47	15	0%	0%
WB	U/Left Turns	170	6	2	24	6	34	11	0%	0%
	Through/Right	1,138	0	1	1	4	2	8	0%	0%

Intersection 3

Country Club Dr/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,138	31	6	80	14	110	17	0%	0%
	Through/Right	1,138	50	7	102	14	132	30	0%	0%
NB	Left Turn	1,600	40	5	85	9	105	17	0%	0%
	Right Turn	205	50	6	91	14	120	26	0%	0%
WB	U/Left Turns	300	140	8	235	14	269	24	0%	0%
	Through	1,449	83	15	217	39	283	60	0%	0%

Intersection 4

Laporte Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	8	3	27	6	38	12	0%	0%
	Through	1,449	8	8	43	31	90	56	0%	0%
	Through/Right	1,449	6	4	31	15	67	27	0%	0%
NB	Right Turn	727	21	5	51	12	71	23	0%	0%
SB	Right Turn	520	24	3	56	7	68	20	0%	0%
WB	U/Left Turns	275	17	4	48	9	72	15	0%	0%
	Through/Right	945	1	1	7	9	19	28	0%	0%

Intersection 5

Misty Wood Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	19	4	52	8	69	14	0%	0%
	Through/Right	945	1	3	8	16	18	31	0%	0%
NB	Right Turn	133	35	6	67	10	89	23	0%	0%
SB	Right Turn	669	18	2	46	7	58	11	0%	0%
WB	U/Left Turns	200	6	4	25	10	35	14	0%	0%
	Through	211	0	0	1	2	2	6	0%	0%
	Right Turn	211	0	0	1	3	4	8	0%	0%

Intersection 6

Foothills Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	240	57	6	111	10	131	16	0%	0%
	Left Turn	240	102	18	225	59	317	92	0%	0%
	Through	615	414	28	454	43	489	58	13%	0%
	Right Turn	240	0	0	0	0	0	0	0%	0%
NB	U/Left Turns	240	136	12	204	23	239	42	0%	0%
	Left Turn	240	156	13	227	21	251	39	0%	0%
	Through	414	143	12	215	22	242	43	0%	0%
	Right Turn	270	2	5	22	46	64	134	0%	0%
SB	U/Left Turns	220	111	12	184	20	216	36	0%	0%
	Left Turn	220	152	13	258	27	309	2	1%	0%
	Through	401	234	12	331	26	384	55	12%	0%
	Right Turn	230	81	12	171	32	253	54	0%	0%
WB	U/Left Turns	450	178	14	253	21	289	35	0%	0%
	Left Turn	801	237	13	314	21	344	40	0%	0%
	Through	801	200	17	282	26	314	54	2%	0%
	Right Turn	250	3	9	19	59	37	118	0%	0%

Intersection 1

Woodcreek Oaks Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	250	141	32	312	85	345	78	0%	0%
	Through	2,082	538	189	827	286	928	281	37%	0%
	Right Turn	375	118	77	402	152	435	0	0%	0%
NB	Left Turn	250	164	29	384	49	400	22	0%	0%
	Through	1,627	499	56	698	93	826	92	37%	0%
	Right Turn	250	208	46	506	35	375	0	0%	0%
SB	Left Turn	1,220	228	38	317	40	319	22	15%	0%
	Through	1,269	229	42	385	91	479	94	1%	0%
	Right Turn	280	0	0	0	0	0	0	0%	0%
WB	U/Left Turns	405	120	12	192	19	218	28	0%	0%
	Left Turn	405	131	10	203	19	233	31	0%	0%
	Through	503	137	14	218	19	246	43	0%	0%
	Right Turn	250	0	0	0	0	0	0	0%	0%

Intersection 2

Birkdale Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	5	2	21	9	33	11	0%	0%
	Through	150	0	0	0	0	0	0	0%	0%
	Through/Right	150	0	0	0	0	0	0	0%	0%
NB	Right Turn	535	11	4	34	7	42	11	0%	0%
SB	Right Turn	166	29	4	58	7	65	9	0%	0%
WB	U/Left Turns	170	11	3	36	9	47	17	0%	0%
	Through/Right	1,138	0	0	2	3	6	12	0%	0%

Intersection 3

Country Club Dr/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,138	201	23	289	20	312	27	0%	0%
	Through/Right	1,138	218	22	310	20	334	24	0%	0%
NB	Left Turn	1,600	94	12	180	23	231	44	0%	0%
	Right Turn	205	126	12	224	26	290	44	3%	0%
WB	U/Left Turns	300	125	22	234	41	293	67	1%	0%
	Through	1,449	102	17	239	22	276	101	0%	0%

Intersection 4

Laporte Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	5	2	23	6	35	11	0%	0%
	Through	1,449	16	32	59	104	87	138	0%	0%
	Through/Right	1,449	12	26	48	84	82	119	0%	0%
NB	Right Turn	725	20	3	50	6	62	16	0%	0%
SB	Right Turn	520	28	3	57	4	66	12	0%	0%
WB	U/Left Turns	275	25	6	63	12	82	17	0%	0%
	Through/Right	944	0	0	0	1	1	3	0%	0%

Intersection 5

Misty Wood Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	68	41	241	125	308	129	0%	0%
	Through	944	285	186	704	366	733	260	15%	1%
	Through/Right	944	301	187	720	357	732	269	0%	1%
NB	Right Turn	133	53	23	120	44	130	33	0%	18%
SB	Right Turn	669	28	5	62	15	89	40	0%	0%
WB	U/Left Turns	125	36	24	89	49	95	35	9%	0%
	Through	211	22	44	75	136	89	128	0%	5%
	Right Turn	125	0	0	2	3	6	9	0%	0%

Intersection 6

Foothills Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	240	159	12	264	32	299	40	1%	0%
	Left Turn	240	302	24	434	20	352	0	3%	1%
	Through	1,547	890	78	1,310	81	1,333	51	51%	1%
	Right Turn	352	2	2	16	12	38	27	0%	0%
NB	Left Turn	240	134	23	266	46	362	64	2%	0%
	Through	3,258	339	22	469	42	528	42	19%	0%
	Right Turn	270	98	32	333	54	320	0	0%	0%
SB	Left Turn	220	133	20	207	36	242	49	3%	0%
	Through	2,036	190	12	265	40	329	118	1%	0%
	Right Turn	390	49	15	106	54	157	109	0%	0%
WB	Left Turn	801	210	15	286	25	303	35	0%	0%
	Through	801	159	44	283	180	354	284	3%	1%
	Right Turn	250	4	9	32	68	75	159	0%	0%

Intersection 1

Woodcreek Oaks Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	250	179	20	309	41	355	38	1%	0%
	Through	2,082	395	30	562	83	643	109	23%	0%
	Right Turn	375	41	33	228	113	387	137	0%	0%
NB	Left Turn	1,414	209	18	303	38	357	60	2%	0%
	Through	463	253	14	355	16	386	33	10%	0%
	Right Turn	250	12	12	94	84	208	185	0%	0%
SB	Left Turn	1,220	271	16	434	19	330	41	0%	0%
	Through	1,269	975	203	1,331	202	1,256	145	59%	16%
	Right Turn	280	291	32	595	10	413	0	0%	1%
WB	U/Left Turns	405	136	8	206	15	226	18	0%	0%
	Left Turn	405	171	20	292	71	419	114	0%	0%
	Through	811	399	42	581	78	606	73	22%	0%
	Right Turn	250	123	50	403	76	380	0	0%	0%

Intersection 2

Birkdale Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	17	4	51	9	80	17	0%	0%
	Through	268	0	1	3	6	9	17	0%	0%
	Through/Right	268	0	0	1	2	2	6	0%	0%
NB	Right Turn	535	9	3	32	7	39	16	0%	0%
SB	Right Turn	166	21	3	58	8	84	18	0%	0%
WB	U/Left Turns	170	8	2	29	6	38	11	0%	0%
	Through	1,138	0	1	3	8	8	24	0%	0%
	Through/Right	1,138	1	1	10	7	25	17	0%	0%

Intersection 3

Country Club Dr/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,138	105	13	191	19	225	40	0%	0%
	Through/Right	1,138	125	11	205	16	235	27	0%	0%
NB	Left Turn	1,600	145	10	245	11	284	28	4%	0%
	Right Turn	205	59	7	108	27	148	73	0%	0%
WB	U/Left Turns	300	191	14	306	25	346	33	2%	0%
	Through	1,449	111	17	222	48	319	129	0%	0%

Intersection 4

Laporte Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	16	8	46	18	58	22	0%	0%
	Through/Right	1,449	0	0	1	3	5	9	0%	0%
NB	Right Turn	725	25	4	60	9	80	23	0%	0%
SB	Right Turn	520	29	5	64	11	80	19	0%	0%
WB	U/Left Turns	275	17	4	47	11	62	26	0%	0%
	Through	944	0	0	0	1	0	1	0%	0%
	Through/Right	944	1	1	6	7	16	21	0%	0%

Intersection 5

Misty Wood Dr/Pleasant Grove Blvd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	250	43	13	118	56	165	115	0%	0%
	Through	944	38	57	156	191	233	236	2%	0%
	Through/Right	944	39	64	157	202	229	235	0%	0%
NB	Right Turn	133	52	12	107	24	131	18	0%	6%
SB	Right Turn	669	29	4	68	15	96	28	0%	0%
WB	U/Left Turns	125	16	6	48	14	64	22	0%	0%
	Through	211	0	0	1	2	8	18	0%	0%
	Right Turn	125	0	0	3	4	6	9	0%	0%

Intersection 6

Foothills Blvd/Pleasant Grove Blvd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	240	156	53	256	74	258	56	8%	0%
	Left Turn	240	224	51	366	72	337	40	11%	2%
	Through	1,547	497	105	740	161	824	155	28%	0%
	Right Turn	352	22	8	78	19	124	38	0%	0%
NB	Left Turn	3,097	339	104	540	153	548	145	25%	0%
	Through	413	190	92	356	153	399	99	2%	11%
	Right Turn	270	0	0	0	0	0	0	0%	0%
SB	Left Turn	220	252	14	384	22	310	30	3%	0%
	Through	1,710	636	176	976	224	1,004	190	47%	0%
	Right Turn	730	653	44	853	50	753	16	0%	0%
WB	Left Turn	801	341	75	473	118	489	127	5%	0%
	Through	801	276	21	406	42	466	75	12%	0%
	Right Turn	250	24	22	144	112	254	178	0%	0%

ATTACHMENTS



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